



## T143. R25-Sec's 9-10-11-12 B 13-14-15-16-17-20-21-22-28-20.

$1+3-25$
$1 / 120-21$ huts and plumb-bof used in chaining:
 Fir 4 S $80^{\circ} E 6$ links,". We find the body of the fir ow the ground plainly. marked "/1/'s "BTT." and the stumps of both old bearing trues frow which we roughly establish the $1 / 4$ corner and thew run o Nouppass hive North, Curs uses a Gurby couftass and paces the live var. ${ }^{\circ} 30^{\prime} \mathrm{E}$. At 300 paces Mr loggshall quits and goes home while curs, Sterns and Poss counting Nor th: at 1000 faces the coiner to sections $16,17,20 \times 21$ sets last abut 75 feet. At the corner to sections 16-17-20-21-7.143, Pg.25, OLS. notes call for a post and Cedar $10,176^{\circ} \mathrm{E}$ slinks $E=5.28$ fut) Cedar $\delta 544^{\circ} \mathrm{E} 10$ link $\left(=6.60 \mathrm{ft}\right.$ ) Cedar $12 \mathrm{~s} 25^{\circ}$ W 30 ha ( $c=19.80$ fit) spruce 10 - 56500 w 5.0 links. $C=33.00$ ft)

The nu. spruce is gone but there is an old Jamarac, down and out by the roots: this may have Lew marked, bit as it is not "spruce" and is out by the roots we do rot use it. We find the neE. s.w.r s.E. Cedars standing grecin and plainly marked, frow which we set the twa cones by proportionate measure mint from face of. trees as follows: We find the Mes. distance between the N.E. \& S. W. trees S:28 ft. phis 19.80 ft equals 25.88 fth total W. S chain and ny chain only given the total distance 19 its fth or $5: 60$ fut short the NIS.

 chain, egealk 4.09 ft ing chain or 1.19 ft . short: we dive $14 \times 4 \times 75$ inch dry cedar post, five feet into the swamp for the the corner to sees, 16-17-20-21/7,14.9, P2 st 5 P.M and at $7^{\circ}$ war. E. we drive a 20 id spike in flat spot at base fold K.S. bearing trees which bears as follows: Old B.T. being ledas 10, bears $166^{\circ} 30^{\prime} \mathrm{E}$ H. 19 feet distant Ald BOThering le dar 8 bears $S 30^{\circ} 30^{\prime} E$ E 60 feet distant: Ald Chadar biasing trice 12 , bears $536^{\circ} 30^{\circ} \mathrm{CW} 15.54$ fut didant. We markneulbea
 E 28. 49 feet to spike heads in flat spot at base of trees: Set with Gurley Compass, Curs + Poss chaining bold, slut on ow git for night Wednesday Sept. $244^{\text {let } 1913 \text {. rained all A. Mr. Beginning at the }}$ comer to secw:16-17-20-21-T-143-25 rum South ow variation about $7^{0}$ E, the heavy down Midas and wet solid swamp: At 610 . feet crass 6 foot creek, ruins s.E. medicine current: at $300,600,900,1200,1500$ set stakes aud grit for night. Duro o loggeshall chained Sterns t Poss cut hush. logghall go io Cohasset, Sterns o Curs sow across Big Vermilliniz Lakes "pick rf"" Clive "Sizzie" Poitier and You Mo-Sainghlin who show us the 'f $\frac{11}{29} 2.8$ comer between Sections 28 \& 29 , Twp. $143-79.25$, where OUS notes call for w post and: find $6.588^{\circ} \mathrm{W}$, 15 links distrust ( $=9.90$ fact) Cedar $8535^{\circ}$ E, 14t Cha $(=9.24 \mathrm{ff}$, We find the S.U: Sind, standing green and-hlainly marked, and the

29－28 High：We find the distance betiveen the thees by way spouses to be 9.26 fact 9．24 ft．M．S．Bhes．4． 47 ft．equals 13.71 ft．my chairs：total distance via courses is 28,40 feet．We set a $4 \times 4 \times 36$ inch cedar stake with tach in top for the true $1 / 4$ comer between Lees： $28+29-7.143-1$ P．25 and marts new bearing as follows：Cedar stunfo $2 H$ ，bears $S 13^{\circ} \mathrm{E}, 32.60$ feet distant：Cedar sturuf2 4 beans $329^{\circ} \mathrm{E} 72.98$ feet distant：Balcom $10,19 \circ$ U 51.95 fut distant to head of 20 d spike driven in flat spot at base of bearings，var．8030＇E．Set with a Girly compass and 100 ft．Monarch steel tape Euro Sterns chairmen． Pro compasmnant．Doirics or Mo baughlin apmeln：We run horthivar． $8^{\circ} 30^{\prime} E$ ，to M．M．Mo． 29 on Louth side of Big Nernillion Lake，where M．S．notes Call for post and：Asper $4550^{\circ} E 78$ links：Aspen 45840 W 28 links：
He 29．
so side
An it begins to sain hand，and it is nearly moon，and as mss fame f． Iflymu a Surveyor，and Mrs．Privier have looked for this comes and pronounced it lest，we quit and go to dimes．Pimp．Pained alepmerewhladyp
 Slag：Sterns，Me Saughir and Poises，atmen continue thancit lime
$\begin{array}{ll}17 & 16 \\ 20 & 21\end{array}$ South from corves to sections 14－17－20－ユ1－T14ア－P．25：at 1800 act alike at 1852 center of 10 fort erect runs last give－fast anent：at 2100 state： at 2150 leave swaimfi－enter low land af 2273.10 tack in log：2400 state．
$\qquad$
20， 21 At 2621 the 4 comers betray Sew 20 vil bears Cast 3i40 feet：at 2625：90 Good wise fence built by Gas Porsinums Excel：at 2700,3000 set slather at 3205－set hubli at 3300， 3600 set staph：at 360115 set hub：at 3613 erossmanin road，hers S．E．Th．W．at 3900 hill：at 4200 ，4500 set stakes：at 4717．30 hut． at 4800 set stake，enter meadows：at 4950 hut ore la be shove：at 4957 enter Big Uemillion Sake and set stake：At thin point hing meander omer Ho．31，on North side of Bin Vermilion lake，he treen fractional sees： $20 \times 21$ T． $143-1$ P．25，Xis：notes sell for a fort and the following bearing true： Spruce 3，12 $28^{\circ}$ E． $315^{-1 i n k: ~ W e ~ f i n d ~ w h a t ~ m a y ~ h a v e ~ h e w ~ t h e ~ o f l d ~}$ B．T stump，and it stand about exsect for course and distance，hut in locating this section line we decide to rue the sec line straight
$\qquad$
 Levi $20+21$ with aw intersection with the ivatersedge．The sec．comes filed by it actual intersection with the waters edge，so at 4954 fut Aonthive new Cast bors feet where we dive a stat for the trap Meander comes，Correcting North：An the length of the line from the＇／comer bet sees 20 or 21－143－2\％，south to the Meander emmer 70.01 is 2552.85 fact Govt shin，and equals 2336 feet men chain：We find it t 216.88 fth thant：$y_{0}$ Gut in the 后 comes south of the 多 comer foch sees 20721－143－255 we begin at a point 1320 feet louth of the is comer and chain north 11 I． 14 ff cit a point $120 \% 86$ fut So th of the $/ 1$ con being． 3828.86 gt Lowthof the sec cor．eve begin at hit 390 s，and eltanin nor th． 11.14 feet it 3828.86 ，Then Cast 4.97 ft where were device a hut and


 $\therefore d r i v e n$ in eaeh hearing: course touned from the true sectraveline with At $A$ P. trameiti var $Y^{\circ} E$. 1320 Q Sis shost 112.14 ftaind equals $1207,86 \mathrm{fce}$ muy chaivi Lemgth of Lots 4 of 1232.88 ft Al. S chain; is short 104,14 ftr and equals 1128.14 fo myphain. We go nos th to the $1 / y$ comer bet, seese 20 \& $2 / 143-25$ where $\mathbb{K}$ S notez. call for a powt and: Sind $6, \ldots 79^{\circ} w 10$ links $(6.60 \mathrm{fl})$ Tir $4,580^{\circ} \mathrm{E} 6 \mathrm{lks}$. ( $=3,96 \mathrm{ft}$ ) . We find the stumpseof bothold trees ov hieh stand perfeeffor course but the dialairee be huren. Theim is 6 o of feet, toolong, tatal distance of 10.56 fillis.ehain equals 16.56 fot. our ehaine fion face of stumpi: By propostionalimieasurenuent. 4. 60 plis 3.75-equal2 10.3 .5 futsial 3.96 plus 2. 25 ft-equale $6.21 f 1$.

 T143, P9.25, after which the old bearing. trees stand aw followz: Livd 6, $199^{\circ} w 10.35$ feet: Ir ir $45.80^{\circ} 6$. Lofeet diakasti . We mark


 to head of 20 d skikes driven in flat apoL at base of bearings. To putin the $1 / 6 . \operatorname{son} u{ }^{2}$ sowth of the comen to seep. 16-17-2o. $21-143-35$, we begin at a point 12 oo fif Noult andelehain. $110,50 \mathrm{ff}$ to 1310,50 tow th, the basit 170 ft to the true 16 eovaen. To ehain out the groinids for ma new proposed sehoot houre, being. a square two (2) acres, in the 7 ordboves $1 / 4$ of the Louthweet $1 / 4$
 of the forty and ehaim Nonth along to seen live 295. 1 fefeet lo a Atake, at var yoF. Thence cast var 8.30' 295.16 feet to a state, thence South war, $7^{\circ}$ E. parallel to the see. live, 295,16 fut, to a stak; Thence. West, vari 803 o $^{\circ}$ E 29 sill ft. to The jelace of beqiuring, containingas near as can be two (2) acres. Anglis turued-from truce Rection.

 shippehaiming rup roadgrade and looking up seétioueonners隹paratory to rumining out the old road jinst giaded thed the. Yownshiphoas to getithow record...tas Poss th his team. take. luro, Levis Nirtand PatGanconi to the $1 / 4$ cormer fetweenc aecs. $12+13-T 143=P 25$ where a newnrod havisut Heew eoinsheted, runs East I he inoad uan buith under coutract for blatincera. Jownhifo, by Art Alusiaucand Andrewd Anderson thiro guile hiovy timber and vellgraded, 21 ffirvide a $\$ 2.6$ o fier Rer aiid is builtm a line sinvered about five years ago, bif fames.
 rume Eastiar 6 E. lumand Avirt ekamingi gammon sets stakes:.

## SURVEV PECORD NO 239.

300 feet steel tape: at $300,600,900,1200$ setistakes: at 1245 feet retstake fust eastofan old rowd vumning Ti.W.os S.E. as the newly completef grade petendis ses a fuw rods over the old road, we call the total bength of the
 Wanmine report of the kanne to the Board of Aupervisais of Wahmesuatownship; Cass lo Minmesola:

Sipti28 th 1913 . Curo, Pous, Sirt and Wmiversting, go to the comen to seew $10-11-14-15=T 14,-1 / 25$; previvacely established fiom old fout

 A repart filed in the office of the Joun Clesp Games finlyni, a Survervar aind dated Gug W;1908, gives. Thin cosmer established by Gumes quam, who fownd The old si.E. and s.cu. Gov't marke Lup new bearivetree ar follate for the true comer, and

 Mre Sewic tirt pulled up Mreslonis otake ar Mon sled shoe driven ita fullilength in the qroundi. We find the
 theold sled shoe has bee Rnockid Malfar winch outsof place and that trying to straighter if in plocked halfan inchout of place and in Trying to straighterc it ine place, Mri-Lewis Nirt, breakv it ofg a foot or so underigroundi we putin iln place a $2 \times 4 \times 24$ inch div oikp staike, tack inctop, and set its full bength in the ground for the triue carnes T Rections 10-11-14-15-T.4 3-P. 15, Gfter which the old Ol. S bearing tree aich and distance to facc of treez: Ine. Niwhiree ëstablished by M. Tilymin in doun We take new bearings as follows: A 20 dspike in a ceidas stump bift tall, fears S $50^{\circ} 14$ ' 14 40.05fut dictant: The nearest point of stome in the
 S26 E 58.74 fiet distant: var. $8^{\circ}$ E. Pun North along the graded ioad varr g'FE: Kersting, kirt and Curo, ehaining perfect 300 ft chaine: at 300 , 600,900.sit.spikes; @936ft.center of 10 foot culvert. at 1134 enter siver
 apross Uermillion river.mumscast:@1399 North end of Dridge:@1500 Sthspik:@1550foot of hill: We leave a spike at 1500 N , and walk lo the " ${ }^{4}$ cormen bet sectu10 $111-143-25$; where $\mathcal{U} S$. notes eall for a fort and the following bearing trees: Spruce $6184^{\circ} \mathrm{W} 12$ link: Bisch $7175^{\circ} \mathrm{E} 15$ lides: The re tort of Survegor Jhlym; dated. August 12 the 1988 and filed with the Toviv Cleikof Ubhnen a Hownship, Showe that these trees were found by Mri Lilgm, whodrove a stake for ithe twe '4 eomes aut marked up. new beainug trus as follows: White Pinc-itump 30 S $84^{\circ} \mathrm{E}$, 40 hinks distant $\left(=26.40\right.$ f. ). Aspen 't $-76^{\circ}-w, 72$ linksidistaint $(=4 \div 5.2 \mathrm{ft}$ ) Mrsitlymu setia stake for the true'/4comer aid Mr. Sewis Kint and

Mre.Nersting and others carefully took up Ins, Shlymia steak and put in its place anwivon pipe, 5 fut lon gig divine its full len goth in the ground:
 over which \& set the transit and find that ms Dthlym turned his angles N. U. bearing tree is about 2. Links tod far away, She White pine St Amp" "30 marked by Muislym, bears $584^{\circ}$ E (magnetic) 26 . 40 fact distant:
 sees. 108 -11-T.14 $3-25,9$ accept it as the thee $1 / 4$ comes and the new beaming 10 as follows: Poplar 4', $169^{\circ} 2$ 土' $^{\prime}$ W 48.47 feet distant to a fie he head at base


 stake, tack in top: at 1114.4 .60 intersect spike set 1550 ft in o th of see cos matin total length of hive 2644.60 fits. These is an old road running a ferrites. West from this prints and ar it has been traveled for zosyears, and public money has been spent ont for the past to years, and as it is a well graded
 and 1703.30 fut north of the comes to weest 10-11-14-15-7,143-25, and le thing the see. line as a true North and south lime magnetise was. $8^{\circ / 15^{N}}$ E we sun, louth
 St to rah stake' bering sta, B, with be dings as follows: Clive 6 \& $70^{\circ} 56^{\prime} \mathrm{W} 68.50 \mathrm{ft}$ :
 Qalt stake at sta. 4. Set 1 foot cast of a fence riming north and with beaning
 Term Sta. 4 sew 5 Y5058'u 530 ft he oak stake at sta, of from which: Birch 15 bears $539029^{\prime}$ E 41.45 flt Clew 15 bear $143^{\circ} 40^{\circ}$ En. 85 feet to pita head at hie. Magnetic variation changes to $8^{\circ} 05^{\prime}$ E. but we are sill sunning ours bine eareflely turned fromithe Tue section hive as a meridian.
 of the North bank of Vermilion Derry, wal reads 500 5, E, Frame Sta. 6
 fut to rah stake at eta. 5 , from which the sew. comers of Pat Gammon's howe
 to ort stake at sta. Sets oft Westerly of 16 fort bridge across aral
 staking 10 set 5 of fut sow th of center of " fth culvert, and ow lime with an last and West wire fence and 1122,30 ft. Rent of the comer to cues. 9-10-15-16-7,143.1225. We mark new bearing to Lairs as follows:


 to sess．15＝16－21－20－T1143－1P25（the center of the sad grader whew it is

## SURVEY RECORD NE 239.

stake sta.20. Total length ofnewigrade in 3177.60 fut: Theron Sta 20 we

 frito stake setfor sta. 23, where we mark bearing as follows:

 From Sta 26 ven nw s. $6.14 w-34$ Yo ft to oak stake at Stain 27 Sta, 27 rum 8909'W 521fect to oak stake at sta, 28. At. 28 mum 5.810 W .339 .30 ff to oaks take.
at str 29 rum s $5^{-0} 7^{\prime} W$ Hs 880 ft to oak stake at station 3.0. Sta 30 rums
$86^{\circ} 37^{\prime} W$, at 4.6 Y ft center of 16 foot bridge accrous" "Dan Dick" creek in
center of 100 foo meadow ruins south: at 622170 . set oak stake for Sta. 170.31 . - which ends the survicy for wi time. The rived conchies northwesterly bet t the Tron Board do not wait me to survey it any.furt the untill they have. had time to make a few changes in the road ruining further west.

At the comer to Sections 15-16-21-2.2T,14.3. R.25,. CM. S. notes call for post and the following beaning thus:- Birch $12,229^{\circ} \mathrm{W}, 20$ links $(=13.20 \mathrm{ft})$
Aspen 14 , in 240 E 10 lh . $(=6.60 \mathrm{ft})$ Spruce $5 ; 5.60^{\circ} \mathrm{E} 16 \mathrm{lhs}(=10.56 \mathrm{ft})$ White Pines $15^{\circ} s 24^{\circ} \dot{\omega}$ Ho hs $(=26.40 \mathrm{ft})$ We find ail four old ont. S. trews and Sturnpis: the sw. Whitepine is turned out by the roots, but lap where. the roots foldit anis plainly markedi. As all the old stumps or noted. trees checkout for crouse and distance we set a $4 \times 4 \times 48$ meh Black.
 with nu w bearing as followe:Dead Birch 12 , $49^{\circ} \mathrm{E}$. 65.44 ft . Dead White: Pine $15,5,14^{\circ} 5^{\prime} 1$ E 29.12 ft Deal While Pine $8,50.2^{\circ} 04^{\prime} \mathrm{W}, 46.91 \mathrm{ft}$ To head of 60 d spikes drove in flat spot at base of all thirec trees: var $8^{\circ} 30^{\circ} E_{1}$ set with At $A B$ than sit, 100 foot steel tape.

- duro, Pots, List aud aerating work all day for Wahine na Younshits Tank Atesus cuts bush in p. Mow school grounds for school
 - The school grounds and quit for might.

Pecoided Qotofer 1sti913





Field notes of the survey of Sections 18 -and 19, Township 136 n . Range 30 W , and Sections 2-3-4-5, Township 155 N , Range 3!, 2 , and Lection, 3-4-5-6-7-8-9-10. 11-13-14-15-16-21-22-23-24-32-33-34-35, of Township 136 $N$, Range 31 , It, and Sections 1 and 12 , of Township $136 \%$. Range 32 . of the 5 <compat>h<compat>ᅳ Principal Meridian, we surveyed under the -direction of John. H. Duro, County Surveyor of Caw bounty Minnesota, assisted by Melville, A. Temp, Deputy County Surveyor

Saturday, Sept. $14^{\text {th}} \cdot 1912$ : The -go to the ion Section corner set by A. XT. Mouleter, at the corner to Sections, 19-24-25 and 30, on the range line between Jownshipe $136 . \mathrm{N}$. Ranges 30 and 31 H. from which we rus North magnetic variation $8^{\circ} 15^{\prime}$ Each.
at 409.90 set hub -and tack: at 975.80 tack in log: at 1100. enter swamp: at 1320 set hub and tack for temporary $1 / 16$ corner: at 1350 ft leave swamp: at 1475.70 tack in log. at 1628 . oed bb of road: at 2485.10 tack in log. At 2640 . Set temporary 1/4 corner: The old Government not and bearing trees are gone, and we continue north: at 2744.40 tack in log: at 3050.70 tack in log:

The nee a Keuffil En Escer Engineers' transit in perfect adjustment and a. 300 foot $b$ hicags steel tape: set double center tacked hubs, and and $a$ plumb bob in taking meacuremexte: In. A. Kemp, traxsitmax and chainman: Fraxit Countryman, chairman: Barb Nelson axed Ole muncen axmen: Oohs Clean cut bruch in the afternoon.
Grit for Night.

Monday, September 16 191 : Rained: Couldst wort.
Tuesday. September $17^{\text {th }} 1912$ : Cowedn't wort ix A.m. on account of
rain: M. A. Kemp, Frank Countryman, and Herbert Thenholg cut bruch ix the Afternoon, continued north

Hedneeday, September 18 Hi $19^{12}$ continue North: Frank Countryman
and 2 . A. Kemp chainmex. In. A. Kemp, traxcitmaw: Herbert Nexhols asian: at 3400.75 tack in stump: at 3611 . 90 tack ix log: at. 3750 , enter tam. swamp; at 3960 set heb and tack for teneporary $1 / 16$ comer: at 4048.30 tack in log: at 4350 leave swamp: at 4598.80 tack in log: at 5013.10 tack in log. at 5880 tack in log: at $5289: 75$ the true corner to Sections-13-18-19;-and 24, sets Fact two. Tenths of a foot $(0.20 \mathrm{ft})$ bearing trees:
Damaracte 6 S $29^{\circ}$ H-27linke $=1782$ th. Jan. $6 \mathrm{~S} 43^{\circ} \mathrm{E} 24$ link $=15.84 \mathrm{ft}$. $5 \mathrm{~N} .40^{\circ}$ H. 7 linter $=4.62$ th " $5 \mathrm{~N} .40^{\circ} \mathrm{E} 13$ line $=8.58 \mathrm{ft}$.

## SURVEY RECORD Ne 240.

The find the rotted stumps of all four bearing trees plainly marked from which iv e set the true corner by flat measurement from face of the maxes: the course do not quite chick, by the reaiuriments do, and we set ax ios pipe $1 \times 30$ inches in size for the true coiner after which the old bearing tree stump e stand is follows:
Old stump, Old stump $35^{\circ} 15^{\prime} \mathrm{W} .46^{\circ} \%$. 7 feet. E . 8.60 ft .
Oed stump. $S 34^{\circ} 15^{\prime} E=1600$ feet. $\therefore$ (Old stump $S 25^{\circ} 2 \mathrm{H}$. 17.80 ft .
The main up new bearings as follows:
Spruce $7 \mathrm{~N} 34^{\circ} 30^{\prime}$ ' 47.70 feet distant
Balm iliad $8588018^{\prime} \% 27.35$ feet distant to tact e heads
magnetic Variation is $8^{\circ} 15^{\circ}$ E. This is the true corner to Sections 13, 18, 19, 24, on the Range line between Jownishipe 136 Ranger 30 mp 31. Hut. 3960 gov north 7.08 fut and 6 act 015 of a foot where we et the true $1 / 16$ corner being a stare with the following new bearing tree: White Pine $18,267^{\circ} 10^{\prime}$ E 25.20 ft $73 \mathrm{glom} 7588^{\circ} 05^{\prime}$ y 2120 fact distant at tub 26 \$0 we chain north 4.72 feet and Cast 0.10 of a foot where we Ret the true $1 / 4$ corner between Sections 19, and 24, Jownohip 136 Range 30 atp 31 , hing as ian sled shoe $1 / 2 \times 4 \times 30$ inches in size with notch in top from which we mensch un the following new bearing true magnetic Variation 80 $15^{\prime \prime}$ Each
at hub 13.20 we chain north 2.36 fut and Each 0.05 of a foot whee feet diet at hub 1320 we chain north 2.36 fut and Tach 0.05 of a foot where
we set the true 1/16 corner being a $7 \times 7 \times 20$ inch hut and bact fran
 White Fine stu 10 N $71^{\circ} 42^{\prime}$ ' 2 23.80.fut didant to tace heads a variatia of $8^{\circ} 15^{\prime}$ bact set for tr $1 / 16$ comer south of the $1 / 2$ conner between section 19 and 24 b the afternoon, after finieting the survey on the Fact side of Downihip 136 Range! we go to the $1 /$ A comer heturcx section 23 Es 26 Downshin 136, Mange 31, with the following cur. on a Kemp tranitmaix
 23 us 26 . Down ship 136 Range 3 , and run north, Thagnetie Vancatix

For the first mile our line runt parallel to the $n$ sods wagon road: and about 30 feet wet of the center of the road. It If transit double centered hubris: 300 for it Chieigo Ster taps ard numb bob echoing: at 300 net stale: ah 600 stake. September $19-191$ ?! Same crew an yerlenday
 What is tack: at 1100 enter lou ground: at 1200 stance where the traveled $n$ nos $s$. road blare bact about 36.00 fuck At 12.50 leave low ground in at 150 stare thant 27 feet wist of $n$ me $s$, traveled rad ut 16 so. 70 tret in lo : at 1800 retrace 24 fut west of road: at 2100 set slate 33 wert of road at 2400 ptalui at 2680.50 SHut al tact on bill: at 2700 antares 20 felt wet of road'at 2750 enter tamarack ewampi at 2900 leave namer at 5000 blake 50. Fut stent of road at 3127.15 hut nd tactic at 3500 stat so fuck west of rand: at 3600 hut aud tact 35 fut ivect of road.
Friday Sutemtir 20 Kb 1 Git. Reined Hexhof retarded at $9 A-M$ ind Pained, Bul Gimp Countryman and 20 fut west of road at 4200 stan 10 feet from no ad: at 1700 cent at inge of road: - At 5100 est stake on i edige of road at 5280 hub no toe ins road center for temporary $1 / 4$ corner betiveen Section w 14. ald 23 Township 136 Range 31. The hunt for bearing trees, brit all sum to be grubbed out: S.E: and EH. Ilattegraff assist in PIM. The walk west and hunt for comer to Section 14-15-22 Ged 23, Township 136, Range 31, in fig wet tamarack swamp, where US notes call for stake and the following bearing trees
Jamavacu 7. N $66^{\circ} \mathrm{E} 3$ links $=1.98^{\prime}$ feet Jamanack $9.44^{\circ} 30^{\prime} \mathrm{E} 12$ link e $=7.92$ feet
 find the old buverment stake in position but rotted in the ground, aid also find the S. bearing tree blown over, which we chop off and ut up after which the old bovermext stake bears convect course and distance from it We put in a $6 \times 6 \times 10$ inch tamarack host sd tact for the true corner to Sections 14-15-22-23, Downship 136 Range 51 after which we find the bearing as follows: Variation $8^{\circ} 15^{\prime \prime}$ E: Spruce: $4 N 39^{\circ}$ It 42.80 feet dist now Spue 2 in $3^{\circ} \mathrm{E}$ 20.80 fut distant Birch $7529^{\circ} 40^{\prime}$ It 4730 fut distant Saturday Setember 21, 1912" Set wien the new canner to Section 14-15-22-23 Township 136-1hnge 31, and run Cast nagretie Variation f015'6net: at 1900 feet leave ruompin at "ig91. 70 tack in log: at zif76. 50 tack ix stump on hill: at 2617.59 hut and tack for temporary $1 / 1$ comer between Section 14-23.. at 2635 road center. The temporary and station 2640 on our south and north line bear south about 8 fut at 3050 enter sivamp at 3 too leave eva m at 3500 point ix log: at 720360 print in log: at 1300 enter tomuruc sump. at 5219. to corner to Section e 13-17-23-28, Downahin 136 Range .31, beano North 13.50 feet at which print Us note call for post and the following bearing tree:
 Iamaract $18 \mathrm{~S} 65^{\circ} \mathrm{E} 35$ link e 23310 feet. Th Birch $8 N 450 \mathrm{E} 65^{5}$ linker $=42.90$ feet. He find the rotted etimps of the S. H and S. E bearing tree e with ion.
 Flattegraff wore -all day: it rained ix the PO. But we ivorred.
monday, Septinker $25-191 \%$, Same crew de Saturday: He e chained our line over and find it correct sit corner to Suction e 13-17-23-25, Jownchip. 136 Range 31 , from the two bearing tree from flat measurement fran face of marcs, putting ix: $5 \times 5 \times 70$ inch tancarart not in the swamp, and mart
 Oed B3. Stump hare $560^{\circ} \mathrm{E}$ 2310. feet hew PB. I. Ah $8 N 53^{\circ} 45^{\circ} E 3270$ fut
 5229.18 tet Brverment chain equals 5219.40 fut my chain, being show it 9,78 fut
 set a $6 \times 6 \times 30$ inch Oar hutch and tack for true $1 / 7$ corner betivin Sections 14-23, Howwatif 136. Range 31 and mart uh the following new bearing: White Pine $9 . N 520^{\circ} 25^{\prime} \mathrm{E} 127$, fut dietant. Trite Pine $9 \$ 18012^{\prime}$ E 19870 fact divan It correct our line through Lection 23 ar follow Hut 3600 gre wed 1723 fut Old nad ie 50 fut Tench Shut 312225 gree wet 1497 feet Old road in 63 feet Bent : Shut 2680,50 gun wets 1283 fitch Led rave is 30 fut Taunt.

Shut. 1680.10 goes west 8.04 fut. old road is 30 feet $E$ act. Shut 969.40 gold west 4.64 fut: old road is to feet bast. At 5296.60 North the truifcorner between Sections 14-23 sets west 25.35 fut, and 5280 feet government chain equals 5296.60 feet of my chain
 Flattegraff, and Les beverington waste: Setting avar the new $1 / 4$ comes just set between Sections 14-23, Jownehip 136 Range 31 , we run north: magnetic Variation $8^{\circ} 45^{\prime} 6$ asti at 965.10 hut and tace on hill, at 1200 set stark 20 feet west of rood: at 1500 stake 15 feet erect of road center: at 1550 crave oed road center: at 16.50 enter swamp at 1800 set stave 150 feet Bact of road at 1950 leave swamp: at $2400^{\circ}$ intersect rood; at 2600 Ret stare 6 . feet East of road: at 3720 set hut and tack: at 7264.70 set hest and tack: at 5280 net hut and tack. for temporary 1/4 corner between Sections 11,17, Laconkhix, 36 Range 3', where the old U.S. stake is lost, and the ald bearing tres have been grubbed out. Sse go to the ion Section conner to Sections $11-12-13-18$ Township 136 Range B', set in the Swamp by Deputy County Surveyor, A. IV. Moulster in A. D. 1911 from which we rus wert.' Magnetic Variation 80 $95^{\prime}$ Each. at 700 leave swamp: at 709.90 tack in log: at 1222.85 hut and tact on bed at 2615:91 hut and tack for temporary $1 / 4$ conner, being about 30 feet north. and. 25 fut invest. of hut 5280 on $n$ kn $S$. line, in center of wo gan road. Thursday, September 26-1918. M. A. Mime and 7 . Countryman continue line vest: at 3217. 20 hut and tact e' at 3425 enter love Y. End 9. Open swamp: at 4506.75 tack in log: at 526157 the bree caries to Sectiane 10-11-14-15, tomenchip 156 Range 3', set North 22.70 feet: at this point U.S. Totes each for stake and the following bearing tree:
white Birch 9 S 25030' $E 13$ lidice $=8.58$ fest. While Birch $8 \mathrm{~N} 64^{\circ} 30^{\prime}$ 21. 30 limits $=19.80$ faux.

The find the rotted stump of ace four trees from which we set a $3 \times 3 \times 24$ inch stake for the true comer by proportionate measurement after which we take bearings is follows. Ald BS. Stump bears $n .62^{\circ} 30^{\prime} \mathrm{W} .19 .30$ feet distant

 Pine Stump $36 \pi .85^{\circ} \cdot 30^{\prime} E 125.30$ feet. Fine Stump $30^{\prime} N \mathrm{~N} 81^{\circ} 45^{\prime}$ IN 45.70 feet. Iunearact 4 S 52:.40'E 130.80 fut to tach ix loges ox bearing at $8^{\circ} 45^{\prime \prime}$ variation for
 fut my chain, equals 5231.82 feet UaR ehiix, being 29.7. feet long.

Friday Leptenter 21-1912. T1-A. Kemp and 7 . Countryman convect line Litweex Sectiaxe.11-14 township 136-Masige 31 as follows: at hutch 2615:91 we chain murat 14.87 feet, then north 11.55 feet ehere we set a $5 \times 3 \times 30$ inch oat stake for the true 1/4 corner beturcen Sections $11-17$, Rownelip 136 Range 31 and mart new hearings wo frelawo: Spruce. $4583^{\circ} 53^{\prime} 142.60$ feet
 transit aver the true 1/4 corner just set bitumen sections $11-17$ 2ounchy 136 Pang
 Of old raid: at 1500 set stake 9 fut wet 8 old road: at 1800 set stake 12 fut whet 8 , in net bearing as freloivos Black Dart 4 It 28.90 feet. Delephone pole 8 S.W. 29.75 feet. Frame here
north our line follow o center of wagon rand to 5510 feet north to where wo intersect the ion 1/t corner between Sections 2-11. Downshin 136 Range 31. Correcting the mile running noith thru Section 19-Dounchix pot Range v, at $5311,30 \mathrm{~N}$ the true 117 comer between Section 1111 , sets wet 15. fut. the. total distance of 5280 feet Escort chair equals 5371.30 feet soy chain, bering 61.30 fut lang. Shut +265.70 goo wet 35.93 fut hing 15 fut west of road center o. being 25 fut evict of road center. At 1620 we set a hut 13.65 feet west on the line, from which we max along old wad whew it meanders around cuank as frelowo. N $53^{\circ} 55^{\prime}$ \% 131.70 feet. $N 110071$ H. $108.50 \mathrm{~N} 25^{\circ} 50^{\prime} \mathrm{E} 291.10$ feet, to hut an convected line set 17.41 fut wet of Station 2066.25 N. an randan line: this oed road io going it be changed so as to sum on the true Nays center line the the swamp.

Saturday Sext. 28-1912. In. A. Temp, $\mathcal{F}$ bauntripman, Ir. Dreakofy
6. N. Heattignff as def lave, go to the ian comer to Sective 22-23-26-27
 sun north, Var. 8015 Gash. De use a A8E. transit dautle center huber, and a 300 foot Chicago steel tape, Rhumb bod chaining, Kemp bed bauntigman chaining perfect Kemp trancitmax: at 350 leave swamp: at 470 enteñat oed B. and it road where it meanders around enompx: at 756.50 set hut as then at 802.40 hut and tactic our line all along follinve ied blogged trees chan, at 1320 hut and tack fir temparaing $1 / 16$ canneri at 1600 enter tannaract sump at 1874.22 hut mad tach " $A$ " at 1950 edge of enter: we ser over "g" and net hue "B" acerose lake ax line. Angle reade $15^{\circ} 9^{\circ} 3^{\prime \prime \prime}$ : distance across lake fromm the is" to hut " 28 "is 757.75 fut added. to 1874.22 equable 2628 . 97 feet to hut ' 78 "on line over late $5+$ feet north g waters edge. on north side of lake. From tut 'P" being 2628.97 N we chain. Saith and set. hut 26.40 N for tempsury $1 / 4$ corner Betercen Sections 22-23, Dionshif 156 Tenge 51, when U. S. Tote cay:
Hitnewe corner North 200 link with bearing tree as follows: Damaract $61135^{\circ} 24.72$ finite $=47.5^{\circ} 2$ fut. Iomarack $5 N 36^{\circ} E 55$ line $=36.30 \mathrm{fut}$ The find the stump of the n. It bearing tire jelindy suarned.fran which we set a hut and tack for the true witness corners, over which we set the hut and tack, far the the witness comer, over which we ret tho transit and find the ratted stump of the other ald bearing tree which stands correct gas courai and distance ak 2670 North a stan set by mu Olen is about 20 . Gest north! at 2770.50 feet north the true inverse comer veto Ext 14.70 feet. 2770.50 fut
 Correcting bine. Hut 2610 goo Such 1.75 feet and Bact 17.00 feet, erkere eve at a $5 \times 5 \times 20$ inch cal stake for the the 114 Canner between Sections 22-23 Township 136 Range 31 and mark new bearing tries ne follow:
 Hut 1320 gre saith 0, Tb of a foot and bact 7.00 fut where we set a $2 \pm 2 \$ 27$ inch hut and tack far the true "16 cancer and mack the freloiving new bearing tree: Maple $611550^{\circ} 20^{\prime} 1 \mathrm{~F} 35.80$ ghat. Tuple $8 N 59^{\circ} 38^{\prime W} 49.70$ feet discant Variation 8015 reach. Shut 802.10 goer East 4.23 to twi e line. Hut 776.50 gree


 at "A" $15-30,7 \mathrm{f}$ fit north of the comes to sections $22-23=2.6-27$ - we sum cast 8.12 feet where we set a hut one the tine section line with Leasing thees as Follows: Basswood 5 Ni. 20.60 fut distant: Maple 10, , E.E, 8.50 fut distant:
 -five inn: N $43^{\circ} 3^{\circ}$ ' w you fit and set hub "B"'. Tron hub" "s" we sum north "4y.30 fret and set huf"e" firm which we take facings as flows: A 12 inch
 sectors $22+23-7,136-1231$. The hic gutime for the center line of a now.
 to $\sec 1222=23=216=27$. Thence Now th one the section live d distance of $15,30,70$ ff t To a hill and tack: thence With $4.3030^{\prime}$ win seize, a distance of 700 fut tor a hit and tach thence n. 54930 ft to hub ot trek still in he e $2.2 \%$ There n. $80^{\circ} 59:$


 Is-ifftenter meadru: at 95: lu meadow: at 1288.80 sech hut and tach ow hill:
 enterinceadowiat 2375 lu zane at 2600 i enter meadow: at 2710 leave mania lodi: at 2969.30 set hill and tack ow hill:@3888.80 set hub and tack on hill: @400 entermieadrui: @ 3500 lvimeadowi at 3746.70 set hat ant tach ow hill: at 3850 enter meadowi:Q 4050 hs amer, © 4.235:10 set hut o taction hill: Quittor night an, Herp, Countrymaviand Weekly work

 canes to sections: 2-33-34-35.on the Your bine bet Juppo: 135:and-136 N1


 BOAR 7 N $17^{\circ}$ Ez. Ch: ( $\$ 13.20$ ff) We find the stumps of the V.E S.E.s.u. and stake which reek fairly well for corse and dilànce: BypaotaroThinate meaquresinent we set $a 2 \times 2 \times 30$ inch oak hut and tace for The true corner after which the old stumps stand ar follower: Old BT itumpstande $40^{\circ} \mathrm{W}$ e 2 ff distant: Old BPT, stump stands






## PECOPD NO 240.

 Westi, bitween Sies 3.434 vasi900 5'E. at 700 ft enter meadrus,
 900 get itahe, leave neadow:@ 981.70 poriutin log:@1 145:6.20 hubotach on hill:@1881.70tackin stump:@2350cintur meadov:@2550 liviame:. @.26 71.80 hubanditack on hill: @ 2359.20 set hab + tack: at 3350 enter meabru: -ass.aolv eanve: Quit for night:
-. Wedres day Oeti in 1912. Continue Wect: at 4 zoounter meadod



 roal corduray begins: our line rumi along south side of Et cui esidurgy roadroot get-gradedi at 8559.20 twich in Eigy in conduroyi@ 10570.80 the conner to serv. $4-5=32+33$ sets South 150 futt at thin goint Gort oites Coll for w take and the following bearing treiw: chm $10=20^{\circ}$. will the $=720$ ffi)
 (E2838ft) Whe find a $2 \times 2 \times 30$ imehirath stake ishich crictuon saipu wasizet By former lounily Surveyoi fanes im lanfield. She ir ou mas mins the Ptake correspord with irn miathion a large pine stimpo which Canfiuld maiked avi bearing, and it stand from the stahe N270 N'F in the grount ; Beople hering here hove ised it in and hiversotitd lises, so we consider it the truce section conces and replace it with a $3 \times 3 \times 3.0$ inch tamarse stake and tack and take bearings to tack headr


 alkday Sisknc wars in M Quit fos anighiti.


 (ay98. 10. W, we nuw south 112 fth where we sef a $4 \times 4 \times 60$ ineh tanarae port Fore the the $1 / 4$ Cormes bitween Lecsint and 33 be treen Yourns ifps 135
 Stumpebears $16^{\circ} 28.02 .05$ fut destanti Yach in overtivined stump

 0.75 If a foot where we ret a $8 \times 12 \times 18$ inch granit houldo marked



 0.5. Fa foot where iva set a $2 \times 2 \times 24$ inch etath for The true Kin pomer

RECORD NO 240.













 This, set stake or u the hive, hayed on both sides and marked "rood sumter"
 last of the in on Is comer on the South -ide of sea. 23-186-31) and new a time Northerly forewing the en the of the old main- havaled wad 39 si:60 fer to o fries

 as to felon the the n. xs. Tenter bine of wee 23, they do not went this old road recorded, and ar come of the notice are lost and the surrey notingoweost we ne not rend it hie.










 and 300 fort Chicago steel tape: double center hub w; ot perfect A A E tianait Set over iron Conner to seen. 2-3-10-11-7.136, P.31, andine rn west i Mapuatid. variation is $8^{\circ} 30^{\prime} E$, at 1500 ft. Let hub t tael. 19100 ff, set hubs tack.




 marked the the 9. Wi one haw divinfeared. Snow the

Witness comer we nun north 181.50 fut and set a hub and tact p for the tune con. to secs. $3-4-9-10-7.136,1$ P.31, then correct our random live between sees. $3+10$ as follows: @ub4864 we sum N49. 13 feet and set stake ow truehin. @ 4559.60 we rum north 46.05 ft and set hub ow true hive: @ 4204 we rum north 42.46 ft and set hub ow true line: © 3669 we rum $n$ or th 37.06 ft and sex hut on true lime: At 2653.86 turn $90^{\circ}$ ingle North and chain 26.72 fut where we set a hub and tack for the true $1 / 4$ corves bet. seew3\%10,7.136-7p.31, @ hub 2100 we nu North 21.21 ft. to true live:@1500 we rum north 15:15 -ft. To true hive @ all correction points we drove aw oak hub and tack and set tall stake. Setting over the true $1 / 4$ comes just set between secs. 3 r 10 vern Louth thro see. 10 var. $9^{\circ}$ E very little cuthing and level for 1 n mile. I hursday Lefsti 18 th 1913. M1. A. Amnio transition: Art Dountrumia Bd. Drownellot toward Mycrschaiv reflive:@1566.40 hubrtach: @2047.00 hubs tack:at2400 hubotack:@3203.10 hubotach.@3700 entevswanp
bears N.E.at382s-lcave same, bears Ni.E@4134.70 hubotachow hilli@4275: bears N.E.at382 s-leave same, bears N.E.@H134.70 hubotaclpow hilli@4275: bottom of hill enter meadow: at $4375=$ inter lake: at 460 blu. lake:@ 4700 lo. meadow onsowth side: @ 4763.60 hub t tack ow high baup:at 5270.50 hub -tack: How the 1/t cones ow the south side of see. 10 bet. secw.10\%15,T1,136 R.31, Govt notes call fora stake and the following bearing trees:
Aspen 10 N $28^{\circ} \mathrm{W} 17$ links distant Aspen $8536^{\circ} 30$ E 23 ling distant Aspen 10 N $28^{\circ}$ W 7 links distant Aspen $8536^{\circ} 30$ ' E 23 link distant: We could fired no trace of either of then as the fires have destroyed nearlyeverigthing, so we walk Cast $1 / 2$ mile to the cor. of seevi18-1/14-15 set last year by Mill. Then, frow which we ru w West. Ma-gnetievariatiou is 8045'E.@856.20 set hub:@1374.30 set hub:

 Browinell+M.Mifers:@1750enterimeadow.@1950lv.name:@2446.20 set hub: at2625.78stak:@2705West, we cross. rus nots.lime at about 5380 ft. Low th: at 2992.50 hubotach:@.3274 set hub:@3360 old shore live @33.80 waters-edge onclast ide of Move Lake;@3373. Let hub; "A" on shore Bast $i$ ide of M ooze lake. Cav se hub 'p'" 'ts the set on live vi West shore of Moose lake, Artilourtrymau fla given. Crit for night.
 Bd. Drown well, om, Muggers. Let Transit ow hub "ß "ow line ru westridg of Move lake, back Right ow tub" $A$ "' and turn $90^{\circ}$ angle South 300 fut s set tuff "e" set transit on hub" "C", backsight on hut "B'" and turnery to hub "A". The distance from hie b "A" to hel "B" "is 1299.44 fact, added to 3373. equals H672.44 to hib"'s"on line over lake: Continue West: @5400.90 the cor. To seen. $9-10-15=16$, sets north 190.11 feet, at which print M. S: notes call for a stake and the following bearing trees. Maples s $28^{\circ} \mathrm{W}$ b link ( $=3.96 \mathrm{ft}$ ) A cAper 6 s $/ 6^{\circ} 30$ Es links ( $=3.30 \mathrm{ft}$ )
 We find a whil-pine stump -with the blazes still virile stherotted stump of the three other treen all of which cheep fro commune oductance, and from there we ret a $2 \times 2 \times 20$ rich hut $x$ tael, for the the cans to




## RECORD No 240.


sets west 40.4 le tt. Quit for night: it is so dark at 5.30 d'clock couldnot see.
Hriday Sept, 26 thl913. Samer Mrew: Conrecting the live beth reen121422
(a) huts we ehain west 36.27 feet and ret angle foint "A"ow thue bine'

Q40.74 Aow th we chain West 30.51 ft to true live. Yo sum the angles around the lake at S.W. Conven of sie.12, we set transit on canceledhuf 4.43., then backsi ghs. ow carcected hub 4074.0 rime $541^{\circ} 28^{\prime}$ w. 696.20 fut where we set angle point "B," on the North side of a "frot hole." Set over hub:
 of road ou touth bourdary of sec.211. Atub 3628.50 goes uest 2718 fth (Q) 3000 set road ceiter stake on ridge 22.4 .7 ft westi@ 2699.20 rum ubet 20.23 ft where we set a hieb o tadp for the true Mpor. bet secen, 21+22-Ti36-2131.aped work the following bearings: var. $8^{\circ} \mathrm{E}$. Dcad Samaral root $55^{\circ} \mathrm{E}$ E 12 futt Aecad Jamarac root -1.38:0 3.2.50 fut. Atub 2413.50. Gace west 18.0 .7 ft hubl 144770 1. Goes west 10.84 ft , hub $855: 00$ goen west 6.40 ft at all correction poinli; we drine a fhebiand tack o tall stake marked "Poad center". seo line." Going to the
 ter wet Swamp:@475=lu.same:@930.10 hub $q$ tach:@1295.s2 hubs taek"A" @1020inter sumaps, wet, tall grask: setoves hub "A" arid hurn 17 or th $90^{\circ}$ simen
 Let ver" 10 " backnight ou "A" and turn $14^{\circ} 4 \theta^{\prime}$ to "C". The dialance " $A$ "to "C" is 8.8731 added to 1295.50 equale 2182.81
 Duvinell, e.At aind AVucren Flategraff, begining at hub2182.81continue Cast:@2150 enter Asland.@2525li iscant:@28b0lv 2wanp:@2989.30. sethubxtackon high grownd:3238.30 set hub+tack:@3575"enter burky wet swanip Which bears N.W.\&S.E.@3900 enter ask timber: @ $\$ 942.70$ tach iv log: @ H10 enter green ipruce odead Sam, ilimber. Gvoind swampiy but mot wet:@4585 tack in log:@4800 grew tanm seev. 14-15=22-23-T. 136 Pig. 31, eets Soith 175.140 feet.
Covecting bach: 2.6 .75 .40 turn $90^{\circ}$ angle + rum sowith 84,70 fto at at
 Cet-1 st 191 P. Tine aind warm.... Temp, Countrypman, Bronille aind It İlategraff: Coirecting thi hiner fetween Reed. 15 and 2 2; hub930.10
 setrove "A" bach"siqhts mevarriected hub 93010 and sum from "A" ot " $O$ ".

 "A"ester diy slough 120 ft vide fioine " $D$ " to B. ruin S. $70^{\circ} 12^{\prime}$ E. 362.60 ft at E

 bears West 34477 feet, huf 471 niog goes wect 30.91 ft to angle boint "B" hub Hi44970.gois West 29.19 ft at hid 3873.20 ruy wext 25.41 ftri hub 3334.5 dgas Wept 2l. rift. hieb 2817.00 goew ulest 18.48 ft. hub 2056.20 goes west 13.50 fth hut

1600 goes west 10.50 ft. hub 571.50 grew west 3. 75 fth hub 332.08 goes west 2.18 ft at all ofthes points we the nt in a hub and tack and a Tall stake marked "road center". on our Ni. S. enter live: hut 4134.70 on true live is -point "A"." set rove" A" and sum South $21^{\circ} 57^{\prime} E 36290$ ft. to hub " 8 "in marsh: set over hub "Bo" back sight on "A" and rum 524052 ' C , 321.90 ft to hut " $C$ " which is heb 4763.60 ow tree line Nits. This completes our survey of road $N . x$ S, through renter of sees 10 or 15 across the West half of the South boundary of sec .15, and the west boundary of dee .22, T. 136, P.31. Ques right at Countrynanist.
 A. Countryman picket o chain: Ed. Brownell, oS. Yelategraff apmen: double comer set hubs, and plumb bob usedive chaining perfect. Let over cos. to Lees 3-4-9-10-7,136. Pub let by us thin yeas t run west on $8^{\circ} 45^{\prime}$ E vav: @ 60 ft west lu swamp:@193:70_xet hut@ 500.90 set hub:@1120.50 set hubi@1308 cross Trailers
 fenceollavegardew: @1565THarleyshouse sets North 30 feet, @1610 crow succor ofroot house; @1653 .Yo hubotack on hill:@1725 cross rail fence-enter potato patch:@2057.40 hub ow West side of Harley clearing: @,2780.60 hub ow Nh. Slope of high hill:@2640 we look for the $1 / 4$ corr Retries. 4 or G, but all traces offs has been burned out: @ 3426.30 set hub;@3525 enter-meadoul, bears S.ET t Ni .U, old lake lotion @ 3900 leave same bears N. E. FS.W. @ H323.30 set hub: @ 4730.90 set hut out duct slope of highhilli@4930 enter smallslough:@5100 lu.same:Q5280 set stake for the temporary Corves to secN14-5-8-9.T.136-P.OS where M.S. notesceall for a stake audi Caky N 310 O12 links: White bine 24, NM 6O Y 76 hick distant We find the while prime dow hat plainly inarkect. Dak is all rolled out to late to set comer to right.
 to neev.4-5-8-9-T.136-P, B/, frow the while Pine bearing tree and mask new bearings as follows. poplar $5117^{\circ} W 4775^{\prime}$ ft Poplar $3=164^{\circ} 46^{\prime}$ C. 44 . 75 ftidix
 cor. seth $\eta$ orth 8: 30 ft we confine west ow ow random hive and at 5596.70 ftreset hub + tach:@ 5850.90 set hub ow hill.@ 6489.80 set hub ow
 $5+8$ F136-P.3, Govt notes call for: Winners comer 201.96 ft , cast 4 The foll
 lake bed, bees Sw. + N.E,@ 8260 leave Lame, figs. $\$ 6$ hilli@8933.00 Ret hull:

Oct. $7^{\text {th }} 1913$. Same crew, continues Olesti fine want Q9065idrow
 @9800 Ret hubi010225 set hub:@10.600 touch North edge ofslough-old Sake bed.

 19.80 feet. Norway fine $20580^{\circ}$ E. 49.50 fut distant. We hunted several hours fort this conner but everything has been so badly burned we could find nothing
so contrive our live West:
October 8th1913. Lame crew cointinuewest:@11213,70 set hub ow high ridge about 30 about 30 feet wide which bears N.E.o S.W. Q 111444,00 set hub ow edge giroadi Q 11660 intersect old grade -...County road which bears N. E.t-S.W. Q 11953.30 set hub on high ridge:@13200 set hub ow hill:@15105:70 set hub ow hill:@15900 set hub: Thursday Qelofer 9 Th 1913. Foggy day: Aw the A. MN we drove to the Horthweit Cow. of M rove lake Inop.looking for roads; too foggy to work. Aw PM M we canting ne our hive West, same cruS as yesterday:@16.253.20 set hub ow hill i@1702310 Let hub:@17200enter duylakebed:@17700lv. eame:@17793.set kubiotaclefor the

 Aspen $6544^{\circ}$ W 10 lksit $=6.60$ ft) White Birch 5 S $16^{\circ}$ E14lhs $E=9,24$ ft. distant: We find aw oak stake in place, also the shoint of a veryold stake which cheeks for course and distance with the rotted stumps of all four trees, we selim its place a $4 \times 4 \times 20$ inch pine stake $\%$ tack, for the true conner quark new bearman as followisi
 46.15 fut, to tack heads in each, var. $9^{\circ}$ E. At 17932 fut West, the corner to ress.1-6-712, on the range line bet. Twos. 136 N, Paige $31+32 \mathrm{~W}$, bears Month 116.00 feet. Friday October $10^{\text {th }}$ G13. Cold o cloudy, same crew. We go to the cor. to sees. 5-6-7-8-T,1,36P.B1, and hunt further Cast, We find the stumps of the N.E.\&-S.W. old Govt bearing trees badly burned, but they check for course \&distance, es $8^{\circ} 30^{\circ}$, ind from these old bearing tree thumps, we set a $3 \times 3 \times 20$ inch sap hub otackpors
The true con to secs. $5-6-7-8$ and mash new bearings as follow Whilitine stub The true car. to seen .5-6-7-8 and mash new bearings an followsiWhili-pine stub 20 N56013'W80.55 ft. dict. Black Cali 3 1442035'E 30.65 feet. Poplar $8578^{\circ} 08^{\prime} W 44.95 \mathrm{ft}$. to tack heads, at $8^{\circ}$ var. E. (a) 10471.60 Wert the comer to -eec: $5=6-7-8$,-Lets nouth28.70ft. Connecting back The live between deck. 6 \& 7-7.1361P31@ station 13098. 41 west, we rum north 59.43 feet where we set a $3 \times 3 \times 20$ inch 1 take of tach for the true $1 / 4$ cor. bet. sect. 6 \% 4 , no treen near for bearings: This is 2626.81 feet west of the con. to sew. 5-6-7-8-7.136, 1.31, Govt chain for the South boundary of see .6, T., 36, P. 31 is 7496.94 fut $x$ equals 7460.40 feet ring chain: at 11624 West, set hubs tach 42.22 feet $n$ orth on the west side If County road on old Pail Pad grade, where we est a tall stake marked "Leetionline".@1198wwe, sum North 3 Miso fut where we set a hub o tach ot tall stake on top of high ridge ot mark the tall stake "section lime"

Saturday Qct.11th1913, same crew, fine ot cold, we correct the live between secs. $5 \% 8,7.136-1$ P.31, as follows: @Lu b10225 W weruw north 27.83 ft. To true live: huf9800 goes north 26.17 ft. hub $8933 . W$. goes 11.22 .19 ft.@ 8553.30 wive

 bearings:@ hub y660.ve chain Month 17.68 ft . to tue hive: hub 7424.20 goes North 16.77 ft . hub 6489.80 goes North 13.26 feet hub 5850.90 goes north 10.67 ft. hub 55 96.10 goes hor th 9.78 ft At all correction hubs we have placed a hard wood hub + tacpand set a tall stake marked "road center". "section hive". Convecting the hire between sew. th +9 hub it 780.90 goes north $\% .57$ fri hut 4323.30 goes north 6.92 feet: hub 3426.30 goes 110 th 5.48 fut. hub 2780.60 goes 210 th 4.45 ft . Af 2626.70 we chain North 4.15 ff. and set a $3 \times 3 \times 20$ inch


## RECORD NO 240.

 44.15 fec to tack heads in the trees, hub 2.057.40 goes no. th 3.29futi ind. 1653.30
 at all nosrection hubs we place a hand word hubs tanh o sika tall is take marked "rood renter""section line."
 commence setting iron monizuents: We drive g/ the onarthwat comer





 The bottom airdsetinculey its full lentic in the, ane how sod though The bottom aid setiraregiti full length in the goovindive abdofeement.
 At the following comessin moon lake Esp Sing Township is 6 win age. Musth Dom set by tempo this survey we fuel up the wood hut i aud pitt in the peace of each en iron poet as follow iv: at the ty cosibet..




 for the tres see come n.-1. 5 \% at the $1 / 4$ comer between sees $5 \times 8$ and at the comer to seen $4-5=8 \times 9$ and at The $1 / 4$ coribetween es 4.89 , and at the corves to sees, 3-4-9*10, and at the $1 / \nmid i d m e s$ betti zees $3+10$, and at the $1 / 4$ ear, bet seed $10+15$; we full rf the wood stakes set by us fou the tue comers putimesoch place a Galvanized irowifike $21 / 2$ by 48 inc her in size, ane hor rod though forttons set ricarlyin full length in the ground in a bed of conner for The true section and quarter nervine corners.

Wednesday Oct if th 1913. IM. Diltemp, Countryman and Prownell, still workingi-at the anvers to seen 9-10-15 +16 and at the comers ot seen, $15=16-21422$, and at the $1 / 1 /$ comer bet see: 15.27 , and at the comer topees. $14-15=22+23$, and at the 5 comer bet seas, $14+23$, set by us in this survey we pull up The wood comersiand prit-in the place of each a agalminged irouipige $21 / 2$ by 48 inches in size, anchor rod though bottoms and see This fries berth in the ground inv a bed of concrete for the true section and quester section corners!

 established by un in this sunning, where voe full up the wood stakes

## RECORD NO 240.

and fistic the place of each a gilnaniged iron fife, 2 \& by pincher inn size berth anchor ion the bottom and sec the full bugth in the ground iv e a



 finches in size, aichovrod Though bottovic and set its full length
 Does. $4+33$, and at the comer to to $\sec -32+33$ and to the I/ com con bets, sees. $4+33$, and at the comer to sech $3-4-33+34$, and at the emmen to - sell 2-3-34235, established by union this survey along the Supine


- Nut in the place beach a galvanize in on fife, $2 / 12$ by st s inches in bed sf concrete for the Dome section and file bengttin the ground ina




 Poulater, and form this ionone M10 comer we run Nos th go a angle to the South Sou d any of rear 23,T136-1.31, a distance of 26.4 feet North o a winonomoumer
 Thence south 264 feet to the section line: Thence west along the see lime 11.5 g ft To the place of beginning: all to be used for comenty gurpoies, eficepting the ne from a atrip. of land sublet wide along the south forindary being the right fray of the main traveled wagon road where it now etristre stwankelone ina de oath hifberstaker allday.
- Cetober 19thi 1913, M. A. Ftempand Brlatagnaff staked. out the Momently. ground e and drove oak stakes at the comes of all lots and block e. Survey begin september 14 th 1912


## Monibleted Cetatow Ant 1913 .

SURVEY RECORD NO. 241.

 comer of see. 25, T. 140 N, R. $31 \mathrm{~W}, 5$ th P.M. As surveyed and established by Gohn W, luis, County Suryevos of Cans Co. Mim.

Saturday, Act, 18 th, 1913 . Gown W. Curd eompaseman, A. Muroan et Mellon chaining: As the land owners, want the concerto Leelvius 1930 24-25; bet. Lip. 140 , P. $30+31$, jermanitly established rreconded we take an iron monument and walk to the con cis where AMS notes call for a stake and the
 We find the iturupe both plainly marked and an old intake previvively-established by Curs for the true corner. We take rep the stake of fact in ils place a iron novncineint being a galvanized iron pipe, eafpeed out top pipe is $21 / 2$ inches thick by t.fict long and the cap is 3 , inches in dian on we set it by first diving aw 8 . fort tamarack $21 / 2$ inches. Thick welldown into the wet surawif over which we force the hollow piphe and then drive the whole thing solidly into the swanponitilit taker several big blows of a big pout to make it move, and leave. The iron monument Sticking two feet above the bevel of the swancup: this is the true coven to secw.19-30-24-25 bet. Iuph. 140 , 1 Pas $0+31$, fir w which we mark new bearings as followsi, Norway fine 10 bears $S 37^{\circ} 30^{\prime} E G 2.70$ fest, Noway pine $10.530^{\circ} w, 78.95 f 1$ distant to the heal of a 20 d spike driven in a flat spot at the base of each tree.
 Surveyed Cibofer $18^{\text {the }} 1913$ Survey: recorded fan. $32 d / 91 \ldots$.

Som W. Our OA Cunuya O ass O Mira.



Field notes of the survey and establishment of permanent iron section corners in LecN19－20－21－28－29\％30 of Jownehip138 N，Pange30ul， th PM．as surveggal by Gohn w．Curd，Co Surveyor of Cans Co．Minnasota． December／s th， 913 ，Gohniw Duro，P．B Millard，Pofert E．Snell and Albert Eastwald go to the $1 / 4$ conner between sections 21 o ．28，Iupp．138 Pg． 30 where we find comic old thee which may be the bearing trees frow which we rum half a mile west to the cover to sections 20－21－28．9．29．T． 138 ，Pg． 30 where $M$ ．S．notes call for：Jain． 5 v To $1 / 2$ E． 92 lpN．Tam． 6 v $87^{\circ}$ W $195^{\circ}$ les． Aspen $1455^{\circ} W$ te he．Ianu．4S $29^{\circ} 30^{\prime} E .324$ les．We find the stump． of the N．W．bearing tree frovic which we find the old M．S．stake giule well preserved because it sets decpin the set mows water．We place a red flog at the stake and rum a Conf－axi line Low th vas．so E．and at about $1 / 2$ nilerve find aw old stake set for the $1 / 5$ comer between sees， 28 29 where Al．S．motes call for：While Pine $14 y^{2} 20^{\circ}$ E $2 Y$ Che：White．Pine 14 v $59^{\circ} w$ 80 ks，We find the stump of bothold bearing trees：The stump and a part of the body of the M．E．true are plainly masked．We pull up the old Slake and furtive a mew $2 \times 2 \times 20$ inch stake，with I tack in top for the true $1 / 4$ comer bet．sees． 28 ＋ 29 ，after which both old bearing o check out perfect for cruse dud distance Going bach to the cover to sees．20－21－28－29－ve nu w a compass line and pace half a mile West and ai the old bearing and stane at the $/ 4$ con men bet nest． 2 of 29 are gone，we set a stake for the ternforarij k eon from which we run a rough hive half a mile Louth or square upiaw old stick for a tines． center to sec：29：thew rum a rough live a half mile Cast of girt this survey
 s oo ft．aten tape．B．A．Dhoder，apmanio chain．Albert Eastwald apman：
 W putin ils place a 2 inch galvanized iron papery．Y fthloug driven over an 8 for piece of Ľwarac filing，and The whole thing driven solidly into the swan mitill it sets on solid bottom ot the top of the iron left itiekingturs． feet above the swanff level and mark new bearings an follows：A．Pine IS 4844＇
 20＇E：att200lv．suainfo：＠2Y00ftset hub：＠5316．70．earnes to keca19－20－29－30 Lets Louth 22．00 ft．We find the M．W．M．E．，o D．E．stumps of The old U．S．bearings frow which we seta $1 / 4 \times 48$ inch galvanized iron pike，for the true coiner务 secs．19－20－29－30，ot mark new bearing as follow frack pine 12s．20．30＇w 43．78 ft flack Pine $95.83^{\circ} \mathrm{W} 47.34 \mathrm{ft}$ Gackpinc 3 s 340 W 40.76 ft ．Correcting the hive East： ＠ 2658.35 w．，werun．Sow th 11.00 fth．where we set a $19 / 4 \times 48$ inch gald＇iron pipe for the true $1 / 4$ comer，bet．sect $28 \% 29, \%$ mark new be airings as follow v．

 29：138－30．Let by Rhodes and TEarlvald．
 OoAnnuya Can Co Nit



## T.134.R.29. Sec's 6-7. <br> T.134.R30. .. $1-2 \cdot 3 \cdot 4 \cdot 5 \cdot 8 \cdot 9 \cdot 10 \cdot 11 / 12 \cdot 15 \cdot 16$. T135R30.. $33-34$.

Field notes of the survey and establishment of iron section corners in sections 6 and 7, T, $134-1$, Rg.29U, and section $1-2-3-4-5-8-9-10-11-12-10$
 ed by John ul. Curs, Cornily sinveyon of laws lonely Minneerta
 at 10, of Township 134 v, Pe 30 He, where ur find a Food stake previously stabs inked ty a al Moulstes for the then /4 evince. We Take rep the od static and pard in its place a black iron pike, 4 incher in diameter and sfectlong, inchon rod throb bottom and refits full length in the grocind in a mound of moncton If sand 8 inches high, after which the stumper of both old OL S. bearing tree. plainly marked, ere tout for course odictance with the iron" II conner just set. On the aide of top of iso we mark," is 5, 9-10-134-30':
 roughly chain the mile of hive between sections sand 4, T, 134, pg so, chaining from the North, South to a point news the comes to seed, $0-4-9-10$, where the newly graded State road noil, rums north low th tho the swamps, $q$ another new .ll graded and ditched Dourly road corner from the Cast aud maker anvintes fiction with the tale road at a point 105.50 fut last of the intersection of the county and Stale road; assistant Stale enginewsmouliter has established the
 Nor the South, $\mathcal{E}$ at West and has driven an vow finn for the section comer. As order to hold this iron pion as the true section comer ms, moctiter and
 settle the question as to wheather the hue' sedition comer will some at the inters ection of the rode, oi at the point established by 2 Mu: Mouliters, avithic would settle the mather for all thine.

Gid, Collins, Cure, Mouliter ot obemplill go to the '1/ connors between seas, 3 +10,-134-50, where dis notes call for post and the following be oaring tace.

 a black iv on fife, Bff long ty H inches thess, no cap ow top, anchor rod this bolton * set its full being th in a 6 . inch mound of dirt after which the stamper of. both old DU. S. bearing the i" Stand carnet fou corinzeiand distance: We mann the side of the top of the iron just set, "/is s-3-10-134-30".
 pul up the word stake previously established fy Dcfuty Mo. Surveyor for the true comer and jut in its place a galvanized iron pile, $21 / 2$ iwehe throly 4 ft. long, wappedow top, anchor rod tho bo tom and set in the Baaing
 "R-10-15-16", thin is the tine sececmev, new bearings masked by moukites stand as



 Galvanized iron pike, H, ft long, capped on top, anchor nod throbottom and set its full ling th in "a 6 . .inch , mound of dit, y hic is the the ne comes

 for the the cover and pet inv its place a galvanized iron pipe, $2 / 1 /$ inches
 assists Moulster in setting thesecomess.

Curs and Collins go to the comer to new. $2-3-10-11-$ T194 paonoruere we find all the old OCS. Bearing thees from which we set a galvanized
 isth high from which we mask new bearimpo as Hollow e W. P. Sh ump $30863^{\circ}$
 set with Muley comprasi. A worderto chick on the poitioic of the coned
 Three miles Cast, to the comer to. SeeN, $1-121-647$, on Range line between 7 . 134 Pi 2 gand 134-P30, where we find a 2.inch iron fife which sett convect for coarse o distance, with the chumps of all for old M.S. fearing trees which still e stand plainly marked and in order to preserve this cones -we



 a 60 dr spike in old B.T. stump bears s.26'30'W 3.98 ff set with 'Hurley compar w 100 ff . steed tape. vav. $9^{\circ} \mathrm{E}$.

Recorded Gan. 31 It 19141.

John wows Sorely Sumeyon Pass OO Mim




T138~R29w Secis 4-9.

SURVEY RECORD No 244
Field iotes of the survey aind establishonunt of the gianter corner $(1 / 4$ cor) betweer sectives 4 and 9 , of Jourship 138 , N, Pargi 29 21 , 5 th



Qetobes 4 th $1913, ~ M$ Q $Q$ Ren po compasanan, Goorge Moulster + M A Minp, chaimmen, go to the $/ 1 /$ converbetvie Le tions $4+9$, T. $138,1 \mathrm{~g}, 29$, being Meander lonver no. b. ou South side of West arn of At orze shoe lake where U.S notes lall for a postand the following be aring tries:
 We find the noirthwest bearing tree plainly marked but doinn, and from. the stump of thiz old bearing the we set a $242 \times 24$ iveh tamaras stack voith tack in top for the true meander carner no. 6, bing the true $1 / 4$ coner betwren Lections 4 and 9 , of Jopp. $138,19.29$, and mis Min nenbearinge which stands as followiz: Sainarac 12 , $1610^{\circ} 0^{\prime} E 17.65$ ftidigtant.

 Survey nade Qctober 4 , 1913 and Gan 9 sh. 1914 .
Pecorded Gaw. 31 et1914.



 County Surveyor of lass County Minnesota，assisted by meleslle a．témp， Assistant Engines． Assr engineers Trans si n SAlter flagman ；L．Anderson q Nell G
 300 fort Chicago＂steel taper．Bajining at the comer to sew $, 5,6,7 \neq 5$,
 hubi＠o 280 ．ft set hub：We go to the S，wi conner of ser．VT． 144 ，Pa ．si and run North，along an old hin cut out by surveyor Middleton，var， 7030 ， ＠400 ft ret hub：＠1200 hut：© 3000 hub：＠ 5280 ft set hub：＠ 4400 hub：＠ 6400 enter y Then 品：© 6501 set hut＂$A$＂turn $90^{\circ} \mathrm{Cast}+$ rum 200 fut and set hub＂$P$＂sethut ＂C＂＂on lime North acerose gondi Set owes hub＂B＂back sight on＂A＂and turn 80 ＂ 31＇töhub＂e＂distanci aerose proud is 1197.30 added to 6001.00 equals 7698.30 to hub across poudi Q 6600 ，Lo the edge of proud 6900 Nor the edge of pond：
 Goutemporary ni w．comer of see． $6, T .144$, 昌． 31 where $\mathcal{M}$ ，note call for：

 where we find a hub o tack set by surveyor middle lon for the tire comer and as he did not mark any new bearings we put in the following bearing


From this the S．W．comes of F．145，Pg． 31 velum last，wast 80E．＠ 650.20 set hab：＠1940．coset hut on Ni． 2 th side of plowed swamp field：

$$
\text { May/4-k|ans: Cortimuc past:@2200enter sloughi包 } 2500 \text { lo same }
$$


 of the old comer so contrive last，came new as yesterday：© 3150.30 hued ＠3 3200 enter often slough＠ 3400 lu s came：© H1619 set hub：e 5456.80 set hub i
 Aspen 9， $140^{\circ} \mathrm{C} 60$ etas：We could find no trace of the old bearing thees so cosididut

 and set hut＂P＂＂set transit over hub＂B＂backsight ow hub＂A＂and turn 590＇$>$＂ and rum lastialong graded road：© 72.81 .50 intersect corner to sew l． $5 \times 6$, T． 144 R．3／，set by Survey po Middleton：＠ 10412.40 intersect comes to seeN 32 ． 33T．145，货，31－set by Surveyor middeloñ：Convecting bach． At 5221.20 rum moi th 6 R．so fut where we set a $2 \times 2 \times 24$－meh oaf stake for the comer to see． $31+32,7,145$, Pa．31 frown which a tach head in a sinew bearing tree being a 30 inch while Pine bean M． $35^{\circ} 10^{\prime} \mathrm{W} 15.55$ ft dict． var． $9^{\circ}$ E：no other thees neal．＠1966：1 4rum north 25：36 ft．where－we nat $2 \times 2 \times 24$ inch oak stake for the thee nu w comes of ser． 6 bering the truce． Northwest comes of township $144 \mathrm{~N} . \mathrm{Pg} .81 \mathrm{~W}, 5$ th．P MM．
 L．W．comers of see．Y，the NeW．cors．of．T．IH4，Pg． 31 bears West 276.246 feet：

COrrecting bach: @ 520114 N, we run west $108: 2$ s. fut where we set a hub T hack for the true s.w.eav, of see, $6,144-3 /$. Correcting South boundary of wee. 6 T, 144, P.31, at a point 5281 . fact welt of the comer to sections 5,6, 78, the louth westerner of Section b, sets 82.36 feet South: Convecting Cast, hub 3900 goes South 60.84 feet at 2620.35 wi sum South 40.88 fact where we set ar stake for
 Pine stump 30, - $30^{\circ} E 9 \% 100$ fact: Pine stump o 20, w10 E 149.10 fth The Gust chain of the Louth side of rec. $6,144-31$, is 5819.60 fut aid equal 5281 ft,
 With the old grvermment bearing trice iv each of the xe sew we full mp The word stake fut in its place a $2 x+8$ inch galonized iron fife, eefph on top + set nearly its full length in the ground for the the ned. cart
 stake and fut in its place a $\sum \times 48$ inch galvanized iron fife, capped on top o set it full length in the ground for the true see. cor.
 stake put in its place a $2 \times 48$ inch colonized ion pipe, capful m top + set nearly is fulelength in the ground for the true north-
 Tuesday March 24ch1914. Tow W. Curs, comparsmaw o chainman

 by Avow. C. W. Stanton, Fudge of the 15 th Gudivial Dist it, with m. N. Ir elf Mols brichson and Gi m. Go as special comic zioners, who have appointed Andrew of. Bruegger ot Charles Erickson as chairmen A Aijahmercrickon * Ben Gohmon as airmen, We go to the Southwest nov. of 7145, P.11 previously established by m. a. Emptor Games $D$ Middleton form which we run a compass line Cast, war. 80 $40^{-1} E$. 1966.14 fut to the in on comes set at the Nr.W.now. of T. 144, R.B1, frevimaly establiked. as This has bu w previously chained, and as the ground is frozen to hard to set stakes we only pace the distance, this evilice distance is vier level ground, a part of which is solid swamp, easily drained tat a point about 500 fut east we may need a small culvert. At in nearly
 From The io ven N.W. cove ofT. $144,1 \mathrm{P} 31$ we turn compares on tall flag.
 tear. $9^{\circ}$ E. as the grounding forges to hard to set stakes as this distance hap
 idea of the cove of building the rove: @ about 120 gt enter often meadow: 2000 ft l l, marsh enter scattering ovals timber: 2500 enter open marsh, bears N.EvD.W.@2800 lu. marsh n.w.wS.E.enter sharp point of land on raise e. of hill:@3000 enter open marshn.Ex-sw:@3350 enter at-tail bog: (3)0s cubit site in eattaile, 75 fr woo mall la Re, which will chain S iE. Q3600 lu cat tail:
 T.144, R.31, previously established: at thin pout a good graded isadinum


## RECORD № 245

Beginning at the is om Nu l con of sech, T,T.144, P.31, we run South on true In line, wasin.E: Q 520.14 fut previously chained, we intersect
 Sugar maple $7,5,50^{\circ}$ E $\| l k s$ : Sugar inafple $7,510^{\circ} \mathrm{E} 8$ thai Sugar maple 6 S , $120 \mathrm{~W} / 3 \mathrm{lk}$ : Sorgos maple 6 N .85 W Blk. The A Et new. Thees are gone bitt With a 3 inch tamaricichub o tach set for the true con. frow which we mark the following new bearings: Birch $8 \cdot 5.46^{\circ} 30^{\prime} w 47.72$ fut t Poplar 10 - $148^{\circ} 30^{\prime} E$, s 6.69 ft
 with compass t soft chiai. This entire nice is almost le el there As it is nearly now on or gonds frozen to hard to drive st 100 , and we only intend to rus a little ores $/ 1 / 2$ mi oles Louth to teambore
 south the con. to pecs. $18+19-T 144-31$ where Mr. Gossahovs us the old

 28 N $66^{\circ}$ w 42 io ft Poplar $85.1^{\circ} \mathrm{E}, 39.30 \mathrm{ft}$. We drive a spike in each one of
 Raliom $5,550^{\circ} \mathrm{w}$ sq.00ft to if ike driven in flat spot at basic: set with Guisley comprise of 100 ftstueltape. At this point MS notes call for Aspen 95.78.E

 A.S:chais., I he nice along the vie nt boy of 18 , is almost level, quite a... lot of mall timber A can be bills for about 5 . 00.00. Tron the ni. cos of ree.19.144-31. just ret we rum South vav 90 E: as the.


 from which we zeta small stake for the true $1 / 4$ cor, by flat eh ain frow face of figures,-

 it inguite heavily timbered o almost level. From the $1 / 4$ on U side of 19 fut set we

 locate The mi I his last half mile ra fraction being 30.37 .32 ftr . S. S. Chain Fir the '/t on Wiside of li b to Steamboat hake in almost level, quite-


＇Field notice of the survey oestablishment of new corners and need bearing trees in sections $31+32+33-T$ Top．ris． 144 N ，R．R．28w，t sees． $4,5,6,7,8,9,16,17,18,19+20$ ，of Township． $11.143-1,1.28 \mathrm{~W}$ ．And secsi11－12－13\％14，of Joviship 143 ，，P．29，W．all of the 5 th principal mercian，as surveyed by John W．Curs，County Surveyor of Mas County，Min assisted by Fran Broker of Federal Dam，minn

March 1 st． 1914 ．Goth W．Cur，Frank Broker o Charles to．Grahain go lo

143－29 $11-12-13-14$
 post the following bearing trees：Sieges $8,-62^{\circ} \mathrm{W} 12 \mathrm{lh}$ ：Sugar $20 \mathrm{~S} .68^{\circ} \mathrm{E}, 22 \mathrm{lh} \mathrm{C}$ Sugar $24,528^{\circ} \mathrm{W}$ 80 h ks：Sugar $12.578^{\circ} \mathrm{W} 46$ hs：We find the 8 inch sugar tire standing $N 62^{\circ} W, 12$ links $=7.92$ fest．We also find the 12 inch sugar tree standing $578^{\circ} \mathrm{W}$. of the 20 inch sugar tire standing - E．but the distance between 0．5y of a foot long so by proportionate measureinent we find the distance ayfollan Total distance of 46 links $(=30.36)+22$ links $(=14.52)$ ft equals 44.88 fut．M1．S． chain wis 44.38 ft my chain．We carnot find the 24 inch sugar tree called for in the notes so set a tall red flay for the true comes after iohich the old bearing trees stands as follows：Old B．T．being suras 8，bears $162^{\circ} \mathrm{W}, 1.97$ ft．distant．Old B，T．being sugqsiz，bears $578^{\circ} \mathrm{W} 30.36 \mathrm{ft}$ ．2．Si chain equals 30.02 ft ． mychain．Old B．T．beingsugai 20 ，Hears $568^{\circ} \mathrm{E} 14.52 \mathrm{ft}$ ．W．S．chain equal l 14136 ff
 The old S．E．t si trees are gone．
 cut lime West from the comer to cesN．17－18－19－20，or nw about $13 / 4$ miles finishing wërivin7．143，P．29．

March 12，1914．Soho Wi．ens，Erred Beaulien，Games Moor Vein old Me．Vein

## $1043-2.8$

$17-18-19-20$
$143-28$
$18-19.14$
work all day for AB．G．Mocking．Degining at the red flay placed at the comevto $17-48-19+207.143-1,28$ run west along onus cut out line．puss $x$ Beaulien chaining：800 foot steel tape，we level land no pluinpp－bobi＠8080＇ap pickets compass line：＠1000 ft．lv pew swamp，scattering dead small lamarae trees：enter hard wood tinber：＠1900 lv hard．uood enter fin tamaraesurp．＠2630．50 the 多 comes bet．secs．18＋19，T143－Pg．28setto， 190 fut at which point OLS Sorter call for a post and＂＂I to we I＂Cedar 8 s
 but plainly masked，and as the roots still hold in the ground showing that the trees have not Len moved ave locate the joint of the tap root of each tree of frown place where the face of the figmew would come if the trees where sod up，wive chain to the forint for this＂ $1 /$ cor． where we set a $2 \times 2 \times 10$ inch hubsio The Ghogein swainfofor the trui＇to

143－28
$18-14-1 /$
$143-28-29$ 13－18－19－24 Tron Lever
bet．sees． 18 of 19．T．140，Page． 28 ．
 along the cut out picket lime：at 100 ft．lv．Swamp，enter poplar timbir：＠802 fticenter of road between Federal Dan o Sugar point，bears N．E．qS．U．in beaut fol tall green 6 inch poplar trees，land level：＠2450enter ophemmadow： ＠2600lusame，enter froplav：＠2643．70 Let stake for horary comes to sees．13－18－19 ＋24 on range live bet，T143N，Page， 28 o 29 W，where M．S．notes call for a post and
 We do not find these and contriuc West：＠2Y00 Ret stak：＠2900enter open solid tamarack wwanfo：thence Continue west ion long narrow swamp with poplar tumber100feetaway ow either sidi：＠3500enter big－pen cranberry bog which
 tinber：＠5317．62－ketstakein cev．of 4 rod swan for ternforary th courbet． SeeN， $13+24, T 1+3$, Pa． 29 on account if The dee p now we do not attempt to find the old M．S．bearing trees，but coithime west：＠5400 set etak：＠6310 old road not traveled bears N．W．＋S．E．＠ 6866 etrike center of 16 meh maple tree online
 ＠1500－leave hardwood timberovites small trees o willow brush，set stake marked＂Rs＂＂and quit this lime for the present． March 13 Th 1914：GiWMurd，Mr rants，Fred Peaulier，fin Metkig ord．Me king go to the 14 comer，bet，peN， $7: \% 18-7,143,1,28$ where $M$ ．S．notes call for post and： $J$ ain． $5^{-} 78^{\circ} E 36$ links $(=23.76 \mathrm{ft})$ Sam． $4532^{\circ} \mathrm{W} 24$ lh n $(=15.84 \mathrm{fh})$ we find The S．W．tree standing dead but plainly marked，and the stump of the Ni．tree plaiilymarked andfion the two old trees we set the 広ear．by poofortion，chained from face of each old tree：as the hive from here $1 / 2$ mile $\mathcal{E}$ art runs on a variation of $6^{\circ} / 5^{\prime \prime} E$ ，$A$ set compass veruies at $6 \%$ ． and find the distance bet．old B．T．S．by way of courses to be 0.540 g fort two long：A proportion the distance o Ret a $2 \times 2 \times 8$ inch tan．stake for the trine $1 / 4$ cor．to sew ．7： $718-143-28$ after which the old trees stand as follows： Ald S．W．tree silands S $32^{\circ}$ w 16.06 ft distant of the old $N$ ．E．stump be aras Ny $V^{\circ} 30^{\prime}$ E24．08 fth distant var 6\％15＇E，as tuned with The ques pas from the true section line
 run a picket hive west over level land vas 8030＇E．Gushy compass through level swanfobut do not chain the distance，about It of a mile wist we cross a small lake and gietefor dinner．The entire distance has beewin a tan．sop．covered with mall dead seatteringtinberig girt for divievoteat with Geo．Pope o Mike Drown in Grahamis camp． M March 15 th．1914：Gown W．Cursor Frank Broker go to the coviof sees 4－5－ $32 \% 33$ ow town line bet，Twp． $143+144$ ，T．P． $28 . W$ ．where K．S．notes eallfor ac host

 the old post called for in the M．S．field notes and it is a 2 ineh－tree，squared wp on all fou Rides，marked flavily with a mall marking iron，towaccoul S．Surveyors in marking oTher corners in there．Tops，o is only $3 / 8$ fine inch in diamiles of the ring enter．This was The 2 ancemaining iron that marked ufo the bearing trees at the cor to seen，11－12－low14．

RECORD No 246
of $T 143$ Rig 29 which d know to be the hue Ad comer called form the field notis

 of isec 4,5,32,33" still showflain: On arcount of the ice and mutted snow, we do not look up all of the ald iu S. bearing lius but the dra ald beaning liee slinuls diad butplimely maiked: it is oily a two intch hiu and the le d Sumeyond nuade a avistathe minmaking it as they maiked it "dec 5": again the trwall hings of the smaces marking inon idinlify thishis as ons made by the rifinal lles sunceyons biet wepane to ignove it Annewhat, in lovaling the time eomen, and eonsider ltw $2 \times 2$ sinch dead. liu syuned up aud plainlymarked on, all fous sides aboumendinde as the lius comer avel from lhis us mack the following new beaning liees: Llead tamarer 5, s54\% 120 fut to läckin flat poot at Vase of lies sead tammac 4, $523^{\circ}$. W. 85.35 fut to lach ivad in flat spat at base of hues Lead tammas 3, N110to's 57.40 fuk to lach in flat ofat at base of lier
Lend himava 2, bingold d E bearing liu, hears $151 \%$ G, 9.15 fuct

 as sun ttut compass lini tho tig opesi bog, eoverel wich small dead scatting
 little satid "d sland" iv the swamp: at 660 ft lesue smatl intaidi Thereis andether Amall"island"just douch of the one we hame ecossed: Conlinue trest: at 24 to felt
 at 5280 fut ues set a slitu fo the comen lo dections $5,6,31$ and 32,7173 and 170 M


 to pind the old beaninglies but on acoount of the ice and snow ace inalle Po find thens, and as there areno hies nein we do not mast any new bearing liees The enlini mile just sumueyed is level sivamp eoverel with onace deat
 our hist reazon fo tmoning is that ur ane on the eoneet sicelion tive iv becance all ilong the mile just sumuyed uefound ald dead lïes which showed a depmession, and on being ehofped out showed. pleinly the bloge made by the
$1431+4,2 \&$ original 41 smuey. sunby the olid walin summengincess, bean vwand dGe e iniz, fot inliusect

ned Goud3h Tits aid 184 Mg. 28 from which in orlen té relíace the alel At os sumy
 theme Nest 485 . 10 fut': ithere Noish 26.6 .68 fut ti Muxder lomen on doush zisi of Luch Lahe: thence toulh buliuen Aections 7 aud 12 on Mange live helureen

## RECORD NO246

aroing with the AD simmey: He ar minable Fo find any of the ald As beasing hies ... along the Rasuge line betueen Tuip 143, Mg-asand 29: and there affears to be a strïs of land about Is of mile wide mose chasis shown by the As sumuy nolis



 lum sichea off the end of the lifpe.

We thin walk t/2 mile Ceast li the enments Aceliona 78.1718 T143 19g 2f wher Misnolis call for a pot and the fullonnig heaning hiesi 70然17.17


He find the poot aud oncald otc bering líe falainly mastud, but as theres

 and lhe followning beaing lius:



 Nu lics plainly mostued prom whint use set the tius eomes hy flat ehain fron pare of in lives, of which frovit we fird the old MPA slathe down in the suoss:


Meseta $9 \times 3 \times 48$ mich slathefo the hiur enwen and monk mew heonign on follous: vow Brs

 beassit sfow 3siesfut: lo peit spot at Gisi o hies: Aet wich 100 foot nliel lafe and 'Sruly" ompars: var fo30:ce.
 Noug ti the conic to Aechions II 13,13, 17, T173 |11-12-13-14
 hün Section eomen; and mich up new wearing hiès is follows:



A smuejo by the nome of 'focdnes" zet this eomen about lla yuas aga and has uned a lacge mastinig rion in marting up lüo new bearing tiés which on ar fallows:

The towe (3) old us heining hies which ot hove found at this comen avemaiked with a sinacl manting non
as Mh Mike Buon; frevican for Heg Moehring refuses to fumiai mua enew lo assistime, and obs ce ursh to preserve thise old Al A conivs


RECORD NO 247
Qetober 19th 1914 , Lame crio and survey took:- Begining at the cormer






$\qquad$

- Lurvey nusade Cetoberizotho3jut 1914
- Peios ded Thetanary 27 th 1915 ..

Aohnitt Puro Coundy turneyo Pass $\varrho_{\sigma}$.



Sunveyed Q etober $30 \%$ ne 31 -t 1914 .
Peconilled Fel 27 M M 1015


RECORD NO 248.
T.137,R.30, Sec 6
.138 .. $30 \quad .7 .18 .19 .30 .31$
$.137 . .31 .1$
$.138-31 \quad .12 .13 .24 .25 .36$.
$\therefore$
Fill d notes of the survey of a part of sections 6 Township 137 N Range 30W, and sections 7-18-19-30-31-Lownshigb 1381 , Pg. 30 W , and sec. 1 Township 137 v Rg.3l w. and section z 12-13-24-25-36 7wpo138 v Pg. 31 w , shh P.M. Lass co Minnesota, as surveyed by Gohm WiCuro, County Lusvergor of Lass County Minnesota, assisted by Trent A. Domes, Defrity lo. Dusveryor.

August 24 th. 1914. John W. Cuss and F sank A. Bones go to the coves to Lugs. $137+138$ Ranges $30+31$ W. which is the n. W comes of see 6 Jwop137-Mg. 30 and The S.W.
 sec. 36, Yup. 138 Pg 31 previously established by Co. Surveyor Curs as recorded on pages 330 to 340 in the county record bork of Surveys, Record $n 0158$ book " $A$ " kept iv the office of the Register of Deeds, Mas co mime where the field notes call for in lake and 'Che follow ing new bearinge: Aspen 4 NW 48.90 fth tenne cornu North and little West 34.50 fret: poplar 2 S. W. 24.70 ff. Sack Pine 4, S.E. 35. O5 ft. Jack Dive 2 Easterly o South 47.82 ftitilach heats:

The stake has hew pulled up and lost in the grading of a new road which runs south frow the $e$, ow graded road, but we locate the point for the true carver by measureing in frow the bearings: We find the 4 inch aspen called for riv the field notes, also the 2 inch o 4 inch Jack primness called for in the notes: the tack heads still show plainly frow these we chain into an intersection which check e out perfect for distance, at which point we drive a hub arid tack for the true Dup. cover: The fence is gone, but the hole where the post once stood cheeks out perfect for course and meacivement, with the wood hub gust set for the true comes: The 2 inch poplar called for ting The fieldnotes haw brew grubbed out, and is over.

August 26 the 1914 . Tr rant AD Domes, John Nommawand Clienorman pull up the wood hub, q put in its place a $2 \times 48$ imek galvanized ir ow pike, no capo on anchor sod and driven its full length in the ground for the true comes to Reest: 6-31-36and 1 . Iupps. 137 and 188 r. Pga. 30 and 31 W.

Io Survey fourimiles of county road, now th along the Range bine, from the Conner to Imps. 137 and $138 \mathrm{Ggos} .30+31$ we begin in aw old transit lice, at point F16 fret West of the iron Younshigo comer just set and rue Nos th following an oldntransit hive. var.7<compat>30'E.@1050 ft. enter open zwanpor meadow@1320 sethul for temporary $1 / 16$ comes: leave swamp:@2350 set hubiand tack:@2640 ft set hubs tack for temprorany /' comes between seeN. $31+36$ tu jp. 138 N Pg $30+31$ w the old M.S. It comer is gore and we conchine transit live North:@3160 hubortach:@32 oo set hubs tack:@3390center of 15 ft creels, rums E ast:@4000 enter swamp: 4500 lv same: @ 4030.60 sethub+tack:@4834 sethul+tack:@ovoventuswamp:@5300Rethubotack:@J3032め the true comer to sees. 30-31-25-36 between townships $138-1 \mathrm{P}$ g. 30 F 31 , Rets East 4354 fA at which point we find the wood corner, previously established by Co. Surveyor curs as recorded on page 334 , County Record book of surveys, Record no. 158 bork "A" Rept in the office of the Register of Decode, Lass Co. Mime.

Coutivice our transit hive north without setting over $:$ True line: @ 6430 lv swanup:@6654.70 set hub and tack. Appel Non uaw cut brisnim Pm. quit forinight.

Com Nomen, Elis Nom ans, accel nom rom assisting:@7365.80 net hut + tack: @ 7425 enter - wamp:@Y943:20 me look for the " evener, bet 30 and 25 b but it is lost and we coritime North; $D$ 8700lv.swamp:@8757 hubi@9394thub; @10351sethubi@10589the true sestion comer sett east Y Y 40 fut, at this point which is the coves to sees, $19-24-25 * 30$



We find av old stan which check outwith the two old now nay pine bearing The stumps, and we set a new wood stake foo the true comer, over which we set the transit ow Pro th, war Yo 30'E:@1428fi Ret hie bia 1836.10 set hub:@1925 enter cwampo:@2640 set hub ain git for might:
 and we continue our than sit line hor th: @ 3500 leave swain: © 35 M2.80 set hub:@9813. Let hub:@ 7 Y31 Ret hub:@5183.60 set hub: @ 5280 at hue b: the carne r to Leev10-18-19and 24 is gone and we contrive No th: @6/40 set hub "A" on Louth side "Jsmalle lake and iv order to get distance across lake $\mathcal{A}$ cause hub "P" to be seton live our hoo this ide of lake From hub' A" A turn $N 60^{\circ}$ wand chain boo fact to hub "e"": from hub" "C" tum $160^{\circ} E$, and chain 600 fut t, intersecting our transit hive V4fict Louth of hi cf "B"" distance across lake GO fut added lo 6140 equals 6740 fief thence 74 feet to 6814 N , which is hub " $B$ " "osilmine North:
 IMP comer sets about 100 felt north of solid ground, and about oo fact no ut of waters edge of a shallow mudy lake which in ow The range line and
 and is about 182 feet south of vaters-edge: We cause $a$ hub to be set about $1 / 4$ mile away and ow the north side of the lake and sets in the negfibry about 40 fut nor th of the waters edge. Shew to get the distance a crow lake with transit at 7814 , turn $N 175^{\circ}$ W and ram 791 feet where we set hub "e" " Setting ow hat " $C$ ". from on hub " $A$ ". tum telescope ow heb " $B$ " and the angl reade $72^{\circ} 45^{\prime \prime}$; as it is to 2 oft to set Lancet on hub " $P^{\prime \prime}$ we decide to abruddor the measurement across the equates. quit for night.

August 29tt. 1914 . Stu W. Curs, Frank CO Domes + Show Moran, go t the comer to secN:7-12-13 and is, between Twp. 135 Ranges and 138 Pg, 31 where MLS minder

 Thank Inodeh shows around ts inch hub wilt tack iv top which he sage enow set by moulder for the the comer. We act the trameit over this hab from which
 what may have been the sorts of the old NiCe baring tie. Throw the hut we nun $15^{\circ} \mathrm{W}$ a distance of 46.20 fut into section $12.1188-$ Pe. 31 where we find some old roots which may have bun the old spree bearing the.
 courser of distance checker out with the old Noway pine beaning thee stump.

## RECORD NO 248

We place a tall stake ivith red flag, over the 4 ines hubfon the two power to sees. - 7-12-13and 18-T138-Pg. $30+31$ with new bearings as follows Green Noway kine stump. 14 bears $5.65^{-0} 36^{\prime} \mathrm{W} 96.02$ feet dist Green Norway kine atumplis, bears 56.50361 W 36.02 ft. dist, to a tackinflak spokat base of stiunf.i angle turned from the true line South var....
$\cdots$ reads jo neagnetic E there are no other bearing true near.
Going to the $1 / 4$ corner
betweni Lees 13 and $18, T, 138-30$ and $138-31$ where QLS, notes call for post and Vamarae $e, 48^{\circ} 30^{\prime} W 42$ elks dint $\left(=2772\right.$ ft) Yamarac $5=2 \dot{z}^{\circ} F 20$ les $(=13,20 \mathrm{ft})$ We find the stumps of bo thole bearing trees standing and plainly marked and a We ret trianoif over the stake and mark new be anions as follows:
Dead Vamavac 8 S $63^{\circ} 45^{\prime}$ E 81.90feetiDead Van wrac 10 S $28^{\circ} 9^{\prime}$ w 18.9 s-futi to tack heads in flatspiot at base of truesimagivar. $6^{\circ} 4^{\circ \prime}$. Aver the stake woe place a tall stick aindred flag to mark the $1 / 4$ conn, then taking transit nearly hialfamile Nonthive vorspoz live bet the two red flag n and set a line of true lime stakes between The $1 / 4$ comer $t o 13+18$ and She con to secs, $7-12-13$ and 18 T $138 / 180$ \& 31, Distance fromethe sec con south to the lake, is about $1 / 4$ of a in le and is marly all sivanfyy + low. Thin half nick has bee previously cut out and purveyed by QCUiMoulstes of The erithig is less than a foot off the tue line but ic was not connected.
 Homer correct the $31 / 2$ miles of Range live just run and set large in an anon

 galvanized iroupipe, with no cap or anchor rod but driven over a six forttaniarac.
 the $1 / 4$ comer to 1 sand 18 sets East 92.88 fth Ponechig bach. ( 001167 )
 th a
 true hive @stick poiviture place fire foot taker marked "True Range Line" "Road.
 topeos.13-18-19aid 24 Twp: 138 , Pg. $30+31 a t$ which point we place a $2 \times 48$ inch galvanized

 E 56.20 ft , Aspen Io $66^{\circ} 30^{\prime}$ w, 60.05 fth to tack e driven in flat spot at base fires. Courses taken with Curly compass 4100 ft . steel tape vas. about $6^{\circ} 50^{\prime}$ E. Correcting still fur the Low th 5183.60 goes Cast $60.50 \mathrm{ft} 14.3,30$ goes last 0.521 ft 9815 goes cast 44.50 ft.
 which point e we place five firs stakes marked. "True Live" "Pad center". At thicor to zecs.19-24-25 and 30 we pul rupthe word stapeofpufiri its place a $2 \times 48$

 E.4518ft. Nowaifpine $1253.36^{\circ} 15^{\prime} w 84.08$ ft to tacks driven in flatsifot at base of trues.

 ©




Field niles of the survey fin part of Sections $16-17-20+21$ Township $142 \%$ Range $31 W$, ste $O$ M. Chs County, Minnesota, as surveyed by to nw $W$. Curs, Co Suragou of lass County Mimeses.

August 13 th. 1913. At the request of Absalom ht. me. Dhersou, Albert Erickson and tans A. A arisen, who wish to establish and record iron monuments aticomers in the above Sections where the old M.S. cones are becoming obliterated, $A$ and the above mentioned men go to the $1 / 4$ cones between Secturis 16 and 21 Township $142 \%$. Range 31 w th PI. where CIS. field notes call for a post and the following bearing tress. Birch $3,122^{\circ}$ E. 10 lh o $\left(=6.60 \mathrm{ft}\right.$ ) Birch $3 \mathrm{~S} 25^{\circ} E 12$ thu( Y.92.ft) we find the remains of the old stake badly rotted and bo the old bearing trees dead but standing plainly masked. The treescheet out perfect for measurement but are a little off for. course, but as measurements hold over cevirsers, we set a new $1 / 4$ comes by flat thin from face of old "B.T." marks, after which @ a variation of $8^{\circ} 15^{\prime} E$ the old trees. stand as follows: Ald winch Birch bears in $14^{\circ}$ E 6.60 gt distant. Old 3 meh Burch bears $521^{\circ} 5^{\prime} E 792$ ft distant; to face of figures. Wetake up the old stake and put in its ploce a galvanized iron fife 4 ft . long by $2 \frac{1 / 5 \text {, inches thick having }}{}$ a capo ow to po which we mark with a punch masker " $1 / 4$ " and having a 2 fort anchourod this The bottom, we set the pipe its file beng the iv the ground in a mound of dist I foot high frow which we mash new bearings as follows: Oak 14 bears $840^{\circ} 30^{\circ}$ E 21.4 .7 ft distant. Caky 7 hears $5162^{\circ} \mathrm{W} 31.31$ ft. to head of nails driven in flat spot at base of trees. We ret thin "/4 comer with a 100
 From this $1 / 7$ comer air old stake set about five years ago by Wm. At. Atrallest bears Cast 65.05 ft distant, where Atallett has establiked the $1 / 4$ comer in the wrong place and marked up fou new bearing. trees. The old bearing tres which we have used in setting this LIt conner beth sees. le o 21 T. 142 , PIg. 31 are the old original bearing thus called for in the field notes of the Government survey if this land, and were saw by me whew A worked ow the survey of a proposed rail road for the old Mailoba Pe Company about A.D. 1887 Simmer and Tall, and $A$ saw there again ter years later when $\mathcal{A}$ worked ow the survey of the Great Northern Ry about A.D.1897, Summers and Thrall.
We walk about half a mile west to the cover to Sections 16-17-20 aud 21, Dup. 142. Pg. 31 Where MS, notes call for a stake and the following beaning trews. Birch $3 \sim 60^{\circ}$ E 6 less distant. Doplas 3 v $30^{\circ} \mathrm{W} 10$ las dist. Poppas $3540^{\circ} \mathrm{W} 4$ ha dist Poplar $538^{\circ} E 3^{\circ}$ le distr, We find the tall shape of the birch standing plainly marked, and the short stump of the S.E + s.u. Poplar thus standing plainly marked and the stump of the n.w.poplas with the masks burned off, and from the face of the four stump r we local the point for the true sec comes, by proportionate measurecement, from the face of the Q.T. marks, and find the distance bet. the N.E.4 Si trees to be 0.10 of a foot to s ling or to s far a part, and the dislance bet. the SE. + n. . Thees is 0.15 of a fort too short ${ }^{\prime}$, wv too close togather, which is a very close check with the M.S. chainage, and by proportion we intersect a point where the M.S. stake once set; and where a Mus. Wm. At. Arillets has seta post, which we take up and fut
 Throb Bottom and having a cap ow top which we mark with a punch "17-16-20-2"" act its full length ins the ground in a mound of dist. "foot high and frow the iron comer we mask new bearings as follows:

RECORD NO 249
Norway Pine 6 in sec. 17 bears $15^{\circ} 30^{\prime}$. 654.96 ft distant: Norway pine 14 in sece. 20 bears S 630 W 43.18 ft. distanti to head of, nails driver in flat apiot at base of

- Tres: van $9^{\circ}$ E Let with "Gurly"" Surveyoss compass and staudard stul
 $\therefore$ measurement. Absalom MrMe Pherove, chainman, Alfort \&rich or apman. ot chaimuan, Atans. A. Atanson, Apmaic o chaimane. Gohw w. Ruro, Compassmian or chainman.
Lirveyed Angust 13 th. 1913,
Recorded Freb. 24th. 1915:


RECORD NO 250.
FiB, SC.
I. 135 R29. Sec 19:30
I.134. R 30. 2-3.
$\therefore \quad$ T.135.R30. $\quad$, 5.6.7.8.9.16.17.18.21.22.23.24.25.26.27.28.34.35.
T.136.R30. . 31.32
T.135.R31. . 1

T/36.R31. 36 .

Field notes of the harvey of a part of sections 19 and 30 Iourishif 1350
Rangi29 $\omega$ and sections $6=6-7-8-9-16-17-18-21-22-23-24-25=26-27-28-34 \times 35-$ Town $y^{2}$ 1352 Paige 30 W and sections 31 and 32 Jowshif 136 N, Paige 30 w , and Ret. 1 Township 1351 Range. 31 W and sec. 36 Lop. 136 N, Pg. 31 w 5 th PM al in Mas County IM minnesota as made by. Gown $W$ Curs, county Surveyor of Lass County Minnesota, assisted by Meant A. Dormer, Deputy County Surveyor.

December 22 nd. 1914. We are working for Howe Brook Lounshifo in survey of wagon roads and to locate land marks, stakes and bearing trees of all kinds, in the re-establishment of $\mathbb{K} . S$. comers which are becoming obliterated and lost and are requested to record our survey and finings for the use of future surveys. Frank A Donner, tranaitmanc chaminan, Li k;, "Barnard, Apmavi or chainman. We use a 100 ft steel tape, ot a new" Heller" 't Brightly" Engineers transit in good adjusturent. Go to the covers. to Sections 8-9-16 and 17.T.135. Pg. 30 where Q.S. field notes call for a frost avid. the following bearing trees. Maple $10540^{\circ}$ E 23 elks. distant ( $=1518 \mathrm{ft}$ ) Bah 1 is
 10 bks dist. E 6. $60 f t$. We find a stove in the center of the road which MN. L. C. Barnard says was set in the place ff a stake set years ago by Co. Surveyor B.B. Bartlett, at which thine the old A.S. bearing trees stored plainly marked from which the stake was established: We set the transit over the stone and Chain is $40^{\circ} \mathrm{F} 23 \mathrm{lks}$. in sec. 16 and $150^{\circ} \mathrm{E} 18$ lysin see $9 \because$ and $N 68^{\circ} \mathrm{W} 27$ lks. in sec. $8:$ and $525^{\circ} \mathrm{W} 10$ hints in sec. 17 : and find no-evideuce of the old trues, Stumps on even roots: We walk to the comes to erections $7-8-17$ and 18-7.135 Pg 30 , where M.S. notes call for a post and the following bearing tres: Sis $14510^{\circ} \mathrm{W} 7$ links dist. $(=4.62 \mathrm{ft})$ Spruce $5578^{\circ}$ E 18 links dist ( $=11.88$ ft) White pine 7 v $70^{\circ} \mathrm{E} 8$ links dist ( $=5.28$ ft) Norway fine $12 .-21$ $46^{\circ} w$ 2q(ks. dist. $=19,14$ ft.) We find aw old stake here, from which we rue a live the required course and distance in each of the last mentored sections, but find no bearing trees, or stumps frow which to varify the correctness of the stake. We thew walk to the carver to secs. $5=6-31$ and 32 , between Sups. 135 and 136.2 Pg. 30 W, where M.S. notes call for a post and the following bearing trees: Jamarac $6,20^{\circ}$ W 22 les. distant $\left(=14.52\right.$ fth $\operatorname{Yam} .654^{\prime} E 14$ lis. $=9.24$ ft) spruce 6 v $2^{\circ} E 19$ lksidist. $(=12.54 \mathrm{ft})$ IT ir $55^{\circ} 535^{\circ} \mathrm{w} 16 \mathrm{lk}$ d dist $(=10.56 \mathrm{ft})$ We find some of the old bearing trees, but as they are all down and it is getting late, we grit for night.
 at o chain, toed Butler atman with W. Barnard and team, drive back to the coven to sections 5-6-31 and 32; between Imps. 135 and 136, Pg.30 where we manage ts get the old A.S. bearing. trees back in their originial frokition.
the IIW. tree ire Sec.31, and the S.F tree in see. 5 are plainly marked frow conch
we establish the point for the tue section comer; frow which we rue a hive the regrired course and distance in sections 32 and 6 but do not find the old trees. We ret aw iron pin for the true comes and mask new bearing trees as follows: Aspen 10 N $69^{\circ} 2^{\prime}$ W 80.05 feet distant: Baleom $856^{\circ} 42^{\prime} E 1 / 2$. wo fut distant to head of tacks driver in flat apt at base of trees; var $10^{\circ}$ E. and frow This cover we virus s $89^{\circ} 45^{\prime} W$ var $9^{\circ} \mathrm{E}$. Random lime between secs. 6 and 31: At 148.30 fut set hub and tach, then run ti about 1200 or 1300 fut and grit for sight,
December 24th.1914. I. A.Domer, L. P. Barnard, W. G.
 enter meadow: @2600 leave meadow; @2640 we lookfor the ty comer bet. seal. 6 and $31 T 135$ and 136 N Ag 30 W where M.S. notes call for a post and the following bearing treen: Pine $45853^{\circ} E 31$ las dist $(=20.46 \mathrm{ft})$ Iamarac $10 \mathrm{~N} 60^{\circ} \mathrm{w} 93$ lksidist $(=61.38 \mathrm{ft})$ We are unable to find any trace of the old trees auromers and coitime rus transit line west: We coritime Chaining to 2900 ft West then cut live still west to about 3800 ft and grit for night.

December 26 th 1914 Lame crew: conchie West: We cut hive West but enow stormermen ufo and we are compelled to grit for a few days.
Haw. 11 th 1915. T: Dimer, transit and chain. Lew Barnard, A. Coble, Lam Coble flagmen, amen and chain men same survey tors: contmue west. @3338 ft. set huh r tack:@4950.50 set hub tack.@ 5493.60 ft. West the comes to sees. $1,6-31$ and 36 , Wu ops. 135 and $136-1$ Ranges 30 and 31 . er. sets North 23.20 ft. at which point N.S notes call for a post and the following bearing trees:
Maple 12 NO P

Black @a k14 $55^{\circ} \mathrm{W} 56$ les: We fined all of the old bearing tree sturipe from which we establish the true cover by flat chain frow face of stump r and set an iron stake 1 inch thick by 3 fact long, its full le eth in the ground for the 181,25 feet distant: Red Qakmag int S Y/ $30^{\prime}$ W 91.70 ft. distant:
Blk Stump 16 v $65^{\circ} 26^{\prime} E 60$ o Aft distant; var. $9^{\circ} E$. We walk East over the cut out transit hive and mart the true live between SeeN. 31 and 6 as follows: @ 5493.60 W the true. Lop: comes sets $N$ or th 23.20 ft. The mile between $31+6$ fist run is 15.60 ftitoo long. 54.78 .00 fut Grit chain equals 549.3 .60 feet my chain or 15.60 ft . long: To correct the random line fiat rum each hus should be moved West .002848 of a foot in each fort and North .0042231 of a foot iv each fort. Correcting $5478 . \mathrm{W}$ goes west 13.60 to 5493.60 thence north 23.20 ft. to true comer to seeN. $1-6-31+36-7.135+136 \mathrm{v}$ Pga. $30 \times 31 \mathrm{w}$.@3960w we chair west 11.28 fut to 3971.28 ft . W. Then North 16.77 ft . where we set a inch pin 3 ft. long set its full length in the ground for the true west $1 / 16$ corner bet. sees: $31+6$. Jenppowary $1 / 4$ hub 2640 W should be 7.52 ft west to 2647.52 w . Thence North 1118 ft. to a point for the true $1 / 4$ corner between seeN $31+6,7.135 \% 136=$ Pg 30 W . but as Bonner made a mistake in figuring This correction they begin at 2664.09 west and chain hor th 11.18 fth where they Let a $1 \times 36$ inch iron pin, its fuel lesigith rico the ground at a point 16.54 ft West of the point for the true $1 / 4$ comer: ' Temporary hub 1320 W should go 3.46 fut West to 1323.76 W. Thence 11.5 .59 to a print for the true cast 116 cover betrecel. 6 +31-T. 1355. P. 30 . but as omer made $a$ mistake ir figuring This correction They begin at 1332.04 W. and chain o 5.59 ft . north where they set $a, \times 36$ inch is on fir its full bugth in the ground
8.28 feet West of the print for the true Eant Ke comce between -ecese 6 t 31
at the cormes to cees. $5=6-31+32-T 135$ and $136 \sim \operatorname{Og} .30 \mathrm{~W}$, we set aw inow fine.
finch thick by ofthlong, ita full lurgth in the ground for the true Sec cories, hebmam, at and chain: Qegining at the stone in the road center; which fove consider the comer to sees, 8-9-16-17-7. 135 Pg 30 we rum $189^{\circ} 45^{5} \mathrm{~W}$ var $10^{\circ}, 30^{\circ} \mathrm{E}$. @2825-enter meadow;@3i85-crows 3fort ditch;@3300 leave meadow: @ 48.48.70 sethict: We look again for bearing trees to the comer of sess. Y-8-17 +18-135-30 bot find none.grict: Ganvary 13 th, 1915. H. . Donner, L.e. Barnard, Y. Rebmanw, Wm.o see Gotb Continue West:@ 5600 enter balsonc swanff:@1025:70 set hub:@ 7103.60 set hubi @ 8626.90 sethet: quit for night. Gaw.14th.1915. Domnes, Rarnard o Debmann, Wmon of Lec Goble, Continue West sandom traisit line between seeN. $7+18-135=30$ : @ 9200 inter cuamp:@ 9449.20. Lef hubi!@1000 ft heave swanapi@10350 set hub: Q 11000 ftiket hubi: We look for the conmers tis recit. $y 12-13+18$ Between. Iupp. 135 N Pga30 +31 Wi where M.S. notes call for a prost and the following be aring tries: Black lak 55190 w 36 lhs: A pew 10 ,

 Canmary 16 the 1915 . A. Domew, Um Sthults and Alfert Brestit; go to the cor.
 Trus: Qak $414.3^{\circ}$ E 39 limk: White Pine $20 \sim 620 \mathrm{~W} 120$ limhw: Bich 35740 W 44 hikh: Qirch $3980^{\circ}$ E IIlinks distant: We find a 4 inch stake, previously set by Defuly County Lurvegos A.u.moulster, for the true section camess, over which we zet the. transit and rum the erequired course and distance in each of the lact mentioned sections in search of old bearing trees and ther sunc east on $9030^{\circ}$ was. $E$. @ 640 ft
 Ganuary 18.th. 1915: Tr. Oomes: A. Drecht: Tr. Taholeki, Goe Vaholeki and Schulty. Pontinie Rast, @5300 encter tamurac nuanp:@6400 leave same: @ 7410.20 2et huf and tack: @10160.10 set hut and tack: @ 11500 ft. entes old nuamp: giit for nights. Yammary 19:th.1915 Same crew. coütime Cast.@11950 leave swmonp: @12450,90 set hubi@13450 cross At traudle cruh ©fut wide:@14293.10 ret hubi:

- (A) 15863.70 the true concu to seest 19-24-25 and 30, bet. Inpo. 135, Rgo 29 t 30 isets touth 4.11.50 at which proint U.S. noter call fora port and the folloing beaning treed.
 $\left(=171.60 \mathrm{ft}\right.$ distaint ) Apruce $14222^{\circ} 15^{1} \mathrm{~W} 240$ links $(=158.40$ fidistant $)$ we find the s.w. bearing trie plainly masked but blown doww: we stast work to get it bacts
 spend all day, getting the old beaing thee bach in it original position. be aring tree backin itr. true proition frow which we set The truecthe ond ion $i$.
 aind mark new. bearings as follows: fack pince14531056' E115.95 ftidist. is
 E66.15 fridistant with tacks at base of bearingo. war. $8^{\circ} 45!$. .
Io corvect the randonc hive fust ricw east and the line vicle be straight betocen The terminal poindrane eash hub should be

moved South .02594 of a foot for each foot it is Cast of the print of beginning, as follows. Atub 15863.70 E, goes south 41150 to true section comer hub. 14293.10 E, gores south 270.76 fri Atub. 12450.10 C , goes South 322.96 fut: Ahab 10160.10 E. gros South 263.55 fut: tout 7710.20 E. goes south 200.08 fut i Atub 5291.80 E. goes. South 137.27 feet: tub 89700 E , gre south 23.27 feet.

Gamwariy 22 nd. 1915. Domes, Brecht o Seholt: Go to the comer to sect. $26-2 Y-34+35=7$. 135 MIg. 30 , where U. S. notes call for a post and the following bearing trees: Jan 4 N $61^{\circ}$ E 18 links distant: Saurarac $5560^{\circ}$ E 13 hicks distant, Jamarae $3536^{\circ}$ w 22 links distant: Jan. 4 ~ $85^{\circ} \mathrm{W} 35$ link distant: We are unable to locate the post or ain of the bearing trees in the secs last mentioned; and rus half a mile South to the $1 / 4$ comer between secs. $34+35.7 .135 . \mathrm{Pg} .30$ where M.S. notes callfor a post for witness conner 1335 . links. South with the following bearing trees Vamarae $3580^{\circ}$ E. 34 linksdistanti Yaw. 4 v $33^{\circ} \omega 62$ links distant: An this $1 / 4$ comer falls in a lake we search for the winters corves, 1335 links south and for the bearing trees in the last two mentioned secs. but are unable to find

 Vamarae9, $137^{\circ} E 350$ lest distant: We find a half inch iron pin here, sticking 8 inches above the ground, but we find no evidence of any old or new bearing trees The in on may be the coiner, os it maynotbe the trine conner. I he town Board decide to do no more surveying now, and this ends this survey. Surveyed December 2 2 nd. 1914 to Ganceary 2 2 nd. 1915. Recorded March / st. 1915.


Field notes of the survey as established and ordered surveyed by the Town Board of Shingobee Township through Sections al and 22, Township 192, Range 31 Nh lass County Minnesota, assisted by Buck P. Boese"a Civil Erigineer and Mr IM. Pice, Chairman of the Township Board of Singobee Township. We use a Gurley survey ors compass and zoo foot steel tape and 7 s -foot metalic tape:
April glt 1915: We begin at the North V16 corner between Sections ala 22, Twp 172, P31, previously established by Cure, and from this point we run South following the section line a distance of 1075.35 feet where we set a birch stake on the section line 83.8 .93 feet North of the I/14 corner, said birch stake sets in the center of an old wagon road which bears NE an Sw and from this point we run: N45:40'E partly following the old crooked wagon rood, o distance of 258.feet to a point on the West boundary of the Right of Way of the Minnesota and International Ply. and the Great Northern Ply, thence Nibsab'F, crossing both tracks at Hight angles, a distance of 158. feet to the center of the main wagon road where it now exists along the Fast boundary of the Might of Way of the said railways and there terminating.

Survey made April Ph: Ills
Recorded April aRid 1915



## TWP. 141-RG. 31-SEC's 25-36 TWP. 141-RG.30-SEC. 31 <br> TWP 140-RG 31-SEC. 1 <br> TWP. 140-RG. 30-SEC. 6

Field notes of the survey of section 36, Township 141 N Mange 310 Cases, County minnesota as made by and under the deriction of Gown W. Cues come ty Surveyor of lass cs. Minn. in accordance with his contract of March 2 ul . 1915; on file in the office of the County Auditor and marked "Mro"contract No.4" These notes also cover as part of the adjoining pectisis effected by this survey whish are as follows: Sec. 6 Yup. 140 Mg .30 . Sec. 1 Iuop.140- Mg. 31. Sec. 31 Insp 1411 . Mg. 30 and sees 25 and 36 of Zupp 141, Pg. 31 all in Case Co. Minn.

March 20 it 1915 . As this is the day we ore to begin the survey of see. 36 T. 141 Ig .31 under my contract with Lass County, Drank $A$ Domes cuginces and Gown W. Gus prepair field notes and plates at Walker. Domes boarding at Chase Arotel at W alk, using A to new Enginicis transit, Gull Compass, stull tapes and other survey to ls belonging to lur. Sake the 930 travis ativalken to Jew mile Lake thence to section 36-T.141-P..31. At the S.E. cones of sec.36 T.141-P31.being. the S. W1. comer of sec. 31-TM14-ig. 30 U.S. notes call for: white Reich 15 for cones with the following bearing trees: Sind 8 iv $30^{\circ} \mathrm{W} 23$ links distant. Gromord 5 12 $27^{\circ} \mathrm{E} 15$ links: all appear to be gone:: At the $1 / 4$ comer one the South side of Section $36-T, 141-$ Pg. $31-M$ S notes call for a post and the following
bearing trees: White Birch
 All appear to be gone. Aft meander cones No 2 of $T .141-$ rig. 31 M. S. notes call fora post and the following bearing trees: Aspen 6 s 20. 117 link distant: Bise $8.517^{\circ}$ w. 32 links distant: all appear to begone. AN the S.E. corner of sec. 36 T. 141-Mg31 is lost and will have to be established by be pining at some point further East or west along the 10 th Standard Parallel we will have to lorksp. previous surveyor, and appicial notes.

March 21 nd. 1915: Duro looks up previous siviveys, copies id M.S. field notes, figures and check the meacurenents given by the Ais. surveyors in establishing Meianides Covers to and prepare a fees plats.

March 23 rdi1915. MN. Il O Gowan, Assistant engincis and Surveyor boarding at Chase botel at Walkers, using new Apuleys Minivers transit site tapes re belonging to cuss. Takes S30 A.M. tain, walker to Atackemach, thence to Anton Simmifergisioffers to board Gorinaw @ \& quay while in survey of sec:36. All day on freloinimary wonk in o sec. 36-141-31. March 24th.1915:' Anton Simiberg acmaw, ND. Common transit maw o chainman, Siminterg helping ehain go to Meander li. 11.35 T. 141-P. 30-on Cast side of Lew Mile Lake and West of the /4 comers ow Louth side of sec. $31-T .141-1 / 30$ and on North side of sec. 6 T.140-Rg. 30 bering on the 10 th Standard Parallel being M.C. No. 48 of Inv $140-\mathrm{Mg} .30$ where M.S. notes call for post and the following bearing trees. White pine $12 \% 60^{\circ} \mathrm{E} 7$ links $(=4.62 \mathrm{ft}$ dict $)$ White pine $145.7^{\circ} \mathrm{W} 13 \mathrm{lhs}(E .7 .58 \mathrm{ft})$ We find the stem ps of the old bearing trees standing and plainly marked, which check out for corse and distance with i galvanized iron fife set for the true M, M. said fife is 4 fut long by 2 inches thick, capped on top, set nearly its full length in a
bed of cement and rock as established by county; Surveyor curs and recorded
 Frow this the me. ow the is th Standard Parallel we rum Wert mise in Jew mile Sake, var. $9^{\circ} 30^{\prime} E$. At $764.75^{5}$ set hub or ice. Albert Thomas assists as chavimaw and atman in e P. $m$ and we sum priliminarylines in see .36. March. 25 th 1915: N. D. Gowan transit and chainumw: Anton Sininferg
 West from hub 764.75. Q1479.72 tempronany meander comer, have lake, look

 ing bearing tues: Jamarac. 5 - 510 W 14 L lhsidistant: DamN. $4 \mathrm{~s} 83^{\circ} \mathrm{W} 300$ limbo All are gone + we continue west: @ 2126.52 set temporary Sup cornevbeing
 for: White Rich 15 . for toner: Sincere 81900 W 23 lint k distant

(Q 2210.10 set hub: © 3065:00 set hub: © 3562.75 set hub: © 4647.65 set huh: ©
 notes call for pitt and the following biasing twee : Dead poplar-24 $4.49^{\circ} \mathrm{O}$ 125 link distant; While Rich $3^{3} 11190^{\circ}$ E 29 link distant: all are gone ant we cor hive west: @ 516 r.00 set hub: @ 5124.24 set temporary Meander emmer. The true Ml. set Sow th 248.70 feet and west 101 fut and at 51.25 .25 W. the thee mo sits South 248.70 fut. at thin point being Meander conner in o of Nip
 Ten mile Lake, where II $Q$ notes call for post and the following being thess
 We find the Se. thee standing green and plainly marked also stump of M. Et tore from which we set the tire Mn. by flat chain frow" "B. T" mark ret 88 distibe Yo convect bash:- lack hub goes. 000197 ga foot wert in o each foot Wert and
 March 26 th 1915 N.OGOMan tiancit and shaicio. S. Simibfug chain or atman: A. Thomas atman. New Gurleyo engines transit is quart adj-
 Curs arrives from Walter and assists us. We go to Meander conner
 beturen frathimal sections 31 and 36 of said Lounchifs where XI $S$ notercellfor

 Thee and we find the old Nnw pine dead ot dow but plainly marked. This which Fine bearing tree has bee blowrins but roots still ho din the ground and from the origivial position of the thee, wee set point for the the M. M. where we set a hab and tach from which the old N.E. bearing thee stump checks for course and distance. We go to cones of sees, 25-30-31/ 36, between
 bearing trees Yellow fine $10 \sim 7^{\circ} 30^{\prime} E .148$ link $(=97.68$ ft $)$ distant. Gallon finer
 Time: The S.E. and Sw. vies are gone, bet we find stump of Ni. Thee, aho N.E. tree, standing green end plainly marked, which check for course 4 distance


SURVE RECORD No 252. continued
and 248 . Tofeet Low th Covreching back each hub goes West 000197 fac foot. for each foot west and, $04.8 .5-2$ of a foo L Luth for each foot west $L 000197$ iv (04852S). © 4766.52 West, we chain West 9 't of a fort to 4710746 west, Thence South
 Let a spike for tue $1 / 4$ comer, frow which (var $11^{\circ} 30^{\prime} E$ ) we mark the following fearing trees: Birch $6 \cdots 42^{\circ} 16$ w $6 \% 40$ feet distant: Birch 4 N $45^{\circ} 25^{\circ}$ E 19.50 ft. (a) 464765 chain south 22551 ito true hive. @ 3562.15 chain South 172.86 to true line. @ 3446.52 West, we chain Wist 69 of a foot to 3447.20 thence south 167.26 feet where we set a spike for the true Cart $1 / 4$ conversion the south side of sec. 3651141.0 g .31 in swamp @ Kub3063 we chain South 148.62 to true line:@ hub 2210.10 we chaiw.south 107.23 to tiveline.@2126.5z west, we chain west; 42 of a fort to 21.26.94, Thence. South 103.20 where we set trice Lupp.comis, being Southwest comer of section 31, Township 1 4; Gg30, also Southeast corner of section $36-7$ wp.141, Mg.31, @ which point we drive a lunch irqurod feet in the ground for the true Lifo comer. We find that Poferk Showa's house is nofbiilt all on his ow iv land, av the true. Sup. line, bering the 10 th standard parallel, passes Cast and West; about through center of bielding which sets about 150 feet Cast of SW i cor of Top. 141.0 G 30 This building is partly in Lee 31 , LuFf. 141 , Pg. 30 and sec il, Ti $140, \operatorname{Pg} 31$

Qegining at 4 conner on Go Low th side of sec. 36 , T141-Mg.31 var .90301E, vicruw Noith: @ 8 . set hub:@ 6Soentur niarak:@12Y5-lumarshi@135160sethulb:@1975 inter swamp:@
3014.20 pet hub: at 3337.50 set hut; at 4165. so set hut .at Hभ50 et hue enter ten mile take; at 630875 set hub
 585660 feet south off the corned to sections vo r $30,31,36$, the
 April/, $9 / 5$ N. D. Sum man trawent and chain Q Lemme berg Yo. 90 fief west of the 14 comer on bact ide if Lection 36. TiA:
 Thebira 2936.75 set hub: at 2982 , enter small fondiat 3416 hr pond: at 3634.80 set hub enter lake: at 395070 hub in icu Quit for night.
April $2: 915$ Same crew as yesterday: bun arrive from Waken to artist me: Begninuiq at a point on our random hue. 206.95 feet west and 1100 feet orititignthe south $1 / 6$ emmer between bees 31 and 36 nun west; at 910.75 set hubriat 1780 sis set hub: at 2417 . 50 set hub at 3264.95 set hub: inter hake: at elul. To set hub on vc: We then pLant anew cuturiq Trait though center of bast half of Section 36, Nhl, Pq31, whee thur
 ten mile lakeivi T/4ו Pg. 31 betiucin Sections 25 and 36 li -hero Uv notes call for a post and the following hearing trees: Whiter pine $36+\mathrm{N} / 5^{\circ} E_{1} 15$ links $=9.90$ ft decant yellow pune 30
-S. 610 E, 12 tivik ( $=7.92$ fut) distant. We fuid ptumps of both ref trees plainily marked fiom which we pet tuy 7 meander corner, and witness to $1 / 4$ corner by flat chain from foce of bearing trees after which piumpo etand perfect for cuise and distance: We pet a brich stake for the comes; this eoner eets 2359.30 fut West and 6. feet poith of the comer $\bar{\omega}$ pectiois 25, 30,3,36. To conect lue between Reis 25 and 36: at 2678.94 fut (a.s. Chain) meander comer 70.6 . sett 319.46 fut East to 2359.48 tat West and 11 outh 6.00 fut (.11925F) (.002542N) Crrectuiq 2678.94 West, gres East 319.46 to 2359.48 W and Houth 6.00 feet; 2640.00 goer East 314.82 fut 152325.18 Wect, thence nooth si 91 feet to. Point tow $\frac{1}{4}$ corner hetween-Seces 25 anp 361 Hut 1566.10 goes noith 3. 98 Ht 1320 W. yoer East 157.41 feet to 116. 59 W, thence south 2.96 fut to point Ifor Bast $1 / 6$ comer between wee 205 and 36, 141, P9. 31. Kut 873.15 goes Houth 2.22 fut to tue hiv: 44500 w, goes noith 113 ft to twe line fuit for mght Aprip 3nd, 19, M. D. EOoman, Pokest and a. Lhomais, whrt. Gontinue $1 / 16$ line poith through Gust haff of Eec. 36 ITH1, DY 31: Beqimurig at Bait $\frac{1}{6}$ on Cfouth side of Ne., 36, , wn Houth: at NIf: 75 ghuf : at 1680.00 oet hiih: at 2978.00 enter lable: at 4735.50 set hut, leave lake: at 4835, 80 set hut, at 5577.75 pet hut: at 5810.20 eet huf: at 5956.00 set hat at 5942 Hoith, the eact $1 / 10$ between Deis 25 and 36 , set West $\left(90^{\circ}\right.$ to landom) 19.00 . fut. Gonretting (.003197 W). 5942.00 goes what 19.00 fut 5810.50 goes west 18.07 ft 4835.50 gov weet 15047 feet to twe Meander comer on Joith bants of ten mile lake, Where we dreve a prike with new he arsigs as follows: Sat $417.80^{\circ} 15^{\prime}$.
 4735.50 goe Weat 150 14 fut to true hiv: tub 1680, goes Weat s. J fut: hut 1195.75 goio West 3.82 Sut. Auit for night
 Walker to frgive conctions of Hection 36, T141, 99. 31, ale day ui offici
 IItI, Pq.3/, Euro decides to cend Paul PR. Dreve hith a niw "Gurly" Enginuso truusit and survey out fit to woip si another crels and to run lines while eforman errecto the hives already run. Thoman and pocve bave Walker at 9:30 G. m: As Nackensack. 10.01 A.C.C. fase 28t $+284=568$ - thence to $\operatorname{Sec} 36-|4|-3 \mid$. Toman figures and makes corrections while Brese pets the two temponany $\frac{1}{16}$ comers and the temporary' 4 coner on east side ${ }^{2}$ I6 Lec 36, but as tho pection is very cireqular we may have $\dot{t}$ lun several random and thil bunes in mder to determine whene the twe hrio qqo . Boch stay with pinnibery, Alberk Thomas cepiil 6,19/5. assistant Survupor srese vith. Glbirt and

NO 252 . continued.
Nobert Lhmas, un triai $E$ and West center line from a temporary $\frac{1}{4}$ comen pet by eropurtion from $710 \times 70032-\sigma$ and Prutteaet comir of tLec $36:$ this $\frac{1}{4}$ iamen and lene maw have to he chaitged, fut we cannot detemmie this wntil we see hol leve comes out wich acreage of afoes 6 and 7 . Kec. 367141 Ag 31 . Anton Fimiberg and tormanearrect itr hines in east half of the Lection Ouit for night.
Afvil $7,19 / 5$ Goveg and crecu run random $1 / 6$ lenie thwowhh south hatf of Sec. 36 : line runs from tempormary $1 / 6$ on last pide of, the pection which hav been ertablished iby broburtion between pilander eornies and Fupo corner, but theio ronay have to be changed Patev: \& innibeng and EMm an currect center linies of vec $36-141,31$ thin Buese and elurman go to babber to bolat thi: woup done and fiquice ohe acreage of the Suts, po as to quie ledeh fraction afoband its correct paopoztion. We get to boainio when we go to bed and amange ti take milmmght tiquin to Walken.
Apil 8, 1915: Leame tuckenswef at 2.219. M. Auvi dt $W$ alkew 3 A. M Ellecfo at Hotel tehare: Somman frquiso sminetiois all day mi office aspisted bip buro and bovee and wel take mid nught
 till mid - Miytut at Hotel Bhapet. April q, 1915. Léave Walper/ A m. Avivi thackeueaef I! 30 a m. App. Fave 284 sed and bieakfaet at - fokini hatel Shence ti ELec 36 where Aohect Ihrmas and Antro Winimiberg help ini
 Ag31 is so fiarfully out of place. we camal Mee it in dotaklishing Badt and Nest center hriex yir section 36: Said 7A.C. Mo.5 is ed for month that to wse it would leave no band in \&ots brt of Lee. 36, Cherefore we decide to ignome DM. 720 as to mieasurements. 27 vh and fouth effecting-iand Wruth of ten mile Lake. but we ivll wee it nn establishinig the lines m iland 770 th oot tern mile Lakei n amely the nouth $\frac{1}{b}$ comen hetween- Checisis and 36 . Ip/41 Gq.3) and 30. To estabheih The east and West centuo lini of tee 36-141.31 we peface a timparary $1 / 4$ eomen huf on uei at the pornt far The true $1 / 4$ conwe between sec. $3 /$ and 36 Ral way bytween the G.E.comes and D. G. commen of tee 36 and H2m this $1 / 4$ we nun whet with due paralleliem. Loay betiucen-the rovthwet idince amidith SW eorner
 (beet on ice) aud the center of this section ue wrel. - Cocnte where this $\mathcal{E}$ and wiat center brie, ritersecto

 infeast, side of tet. 36 and as no suct corner exists in the les. notes, we curnat follew the wule festadhishing tie centes of. -theast half of this cution. Salf way betwren The conter of the seclion and $\frac{1}{4}$ on the -iast tide tht wile un the thue the in hole mile (u. ff chain) straught fiom the -ewaf 'IG on the soict sile of sec 36, a nile notch (le: Ef hain) to. the -eaitit on the novth

 We set 6027.50 enit 262.28 to 1/g eomen 4300 chain eaiet 187.04 culerelue


 (a) 13, 5\%.60 chain lact 5-8.81, ei 88.00 Charn least.3.83.





 in -cait frot wouth and Eact 0.7038 of a frot tov eich foot
 39.20, H10.18 quen Houth 178.57 to 588.75 and 6 41.44 ; 428.66 qoeo th 186.62
 177704 . qoes frouth 773:63 to 2550.61 and ceast179.02, 30.68.66 qoes South 1335.94 t HH0460 and Eacif 310. to thue THop comev. We find we cannt wee theo conket as it wried leave no land in loto band 7 , ed. we establet the towt and west enter hone halt way betiucen

 of theo 36, we begon at pount at the handom lino 2928.30 feut evuth South Wi. corneh and 2928:30 north of the tiE comer and 1476.30 Fewt - for ic a true 103.90 fet wherc we place a -qub on ie tor thuc 1 erinev last Aile of see. 36. At a point at
-The $1 / 4$ conner. We chain last 2.06 .95 feet and - Ret a spike for true...
 mon, Anton Winiekirgi Prkert and. Albeit thomas woip. Aplilll, 19. We extend the tu truth line from Inc on couth vile of Lev. 36 best on ice 1190 feet and set flag " $A$ ". Then extend the tine between 25 and 36.1683.Howand set flag" "B" also on riv distance between flag " $a$ " and " $\mathcal{3}$ " chain on ice iv Gllffeet. ALa point 305.9. Lect south of flag" $B$ "and 3059 feet north of Llaq " $C^{\prime \prime}$ we set temporary $1 /$ corner on West side of tee. 36 and set Klaq "C." at a point $1 \sigma^{-2} 9.00$ south of flag. " 6 " and 1529.00 north it flag" $a$ " we set temp south $1 / 6$ corner on West side of 36 , and set - Clay" " $D$ ". Tracing a random line Tun East and West through tenter of the 36 for cancetion puzfores, we concept voes- each. Thule po us to make thu e East and bEHest center line hetiveen Slag "C" and th coiner Bact Aide of fie. 36 and where the Fast and Wist-center hui. intinsect; The thee north arid South enter line. We set a spike for the true center of she. 36 rand at the point where the true east and wisest centerlizie interacts the true North and South 16 -line we set a Abide for the tiuvi/6 corner in the center of the East tray of Sec. 36. Gounctirig Bast and West centev-line through South hall pH ec 36. we retrace al random-lini for rovection purposes and cypect vul each hub; so as te mani a potcaught line East andllest through the center of the Grith hall, and whee this li interact the him. Mouth and South tenter line we drive a eloise for the tue i/6 comes in the. center If the bits half of the Hection: tho $1 / 16$ sets on a straight line betereer \&laq"o"and the true Boutt1/6 on the East side of the be. Io put in the center of the Houtheast $\frac{1}{4}$ we drive a spike where tho Moth and South -inv interacts the bast and West line. Ne drive a spice for the true moandiv canner ondast bank or Ion mile alate on the cast and Went enter Mine at a point 1093.01 fut. West of the thu e center of wail eco. Le drive a spike for true $\frac{16}{}$ corner betiveen the 25 and 36 and mart now hearings as follows: Dry N.A. 10 S 10.30 W. 50510 fut, dry NAT $12580^{\circ} 28^{\prime \prime}$ F 84.20 Ikon a point on our random line 478 fut ts of l., 5. 7nib.32-5 on Moth Hank of ten mile lade and between sec. 31 and 36 we chain 6 art 26.64 feet and set spike fro intros coins which also mantes the line between lot 2 of see. 31, Topi 141 , T. 30 and lat 3 of 4 (Rec. 36, Tupi $141 . P_{31}$ Anton Sinneberg and ND. eforman worked. april 13,191 . get word from burs That the ion comers have amines at Hen mile Lake station and gother with ww Spain's team, accompanied by tames Dryer and fame tieman 2by48 meh gahriniged iron pipes, capper on top at ale coiners and. meander corners established north of zen mile lake, being toners
in ale drive fact to spain for night．Dr D Herman，engines． april It lg／．Th．D．Woman takes te ain team accompanied by f．C．Tiermas and the remainurig 13 cion comus，and drives to Robert Diplomas place whew we get Anton thineburg and Prdeut $\mathcal{D}$ horas and set 2／48 inch capped Galvanized non pipes at all corners and Meander comers estaghachs in and around，and adjoining see 36，Th It t 种31． with Robert Thomas，anton Limber，it Trelman，$n, D$ Woman；as we pull if the wood huts und cion spikes and put in their place The galvanized vion pikes above mentioned，set at thy following

 of Lev 31－1t／130．Anode．at the East $1 / 6$ comer on the South wide
 on South cider of she．36－HA／M－She ny north of boundary of tee lind th．at tho，no $1-20$ on east bank of ten milo lake，between se o 36
 mule bake between lots fond 9 of the 36，14t－31．6th at $1 / 6$ comevin center of South half off $36-141.31$ ．Th At $1 / 6$ comer in center
 ec． 36 － 10 ． 30 and 31．96．At $1 / 6$ comer on bact hand of Len milo Cade between lat fond 8，see．36－141－31．10th．On center of 36． 131131
 bet bap of ten Mile lake between－Soto 5 and 6 sec 31－H1／．31．

 of the 31－141－30． 15 th at MP 6．32－5 m North hand of ten mule Lake between lot 2 of Ser $36-141-31$ and $\operatorname{lot} 2$ \＆fec $31-141-32.16 t h$ ．at $31 \frac{1}{6}$ crier between the 36 and $31 / 141$ ． 30 and 31. It t．On north bant of ten Mile lake between Sols land 2．See． $36-141.31 .18 t h$ ，at $\mathscr{E} 1 / 6$ conner betiveen See． 25 and $36-141 / 31$ ． 19 th．Gt comes between fee $20^{\circ}$ and 36 141．31．20 th．at $\operatorname{Mn} 66$ on East bank of Ten mile lake between Sec 25 and $36-141 /-31$ and 21 we fend already pet at 71 e corner of the 36
 as estableked from bed U．5．Searing trees and recorded inprevioup survey．record IT on page 386 to 387，bop＂$a$＂，County Record book of survey．In cancetton of the South boundary of See．31－141－30 and the． $36-141-31$ and north boundary the 1 －140－31along the 10 th standard pavalee，the bine heep s the 4.5 chain menhir one foot． 5121．2H USS．$+1.01=5120.25$ my chain， 357.72 U． $5 .+.07=35779$ fth my chains． 4766.52 ．4．．t． $94=4767.46$ my chain， $1320.004 .5 .+\cdot 26=1320.6$ my chain，34446．56 U．S．t． $68=3447.20$ my chain， 1320.00 USS．$+.26=1320$ and 26 my cham， 2126.52 4．S． $+.42=2126.94$ my chain， 646.80 USS $+.13 .6416 .93,1479.72 \mathrm{U} . \mathrm{St} .29=1480.01 \mathrm{ft}$, Thy chain．
Chili 27，1910 as Gur and eforman have bun working on tho plat and futures awhage on Sec． 36 and as the TN：Meander－linio air er mush but of place it would be miforathe to run them is retracing the shove hone of Sen mile lake in $\sec 36$

141-31. We deride to Juin à base Kiñifhom "which we arile fogire the Sake chowe, and we will also win a meander line along what we considei thi chow hirie and while it would be mifocecible to defone the eqact show hine on account of varuris cwamps and low lando, we cun a base hine to determuse the acreage of the varioio loto as follows: Beginining at Pe comes of doto

 and West center hines; thence weat 198.38 ft to 8 e corner of Dot 6 ; thun $7.72^{\circ} \mathrm{C}, 290^{6} 60$ thence $77.70^{\circ} \mathrm{Q} 359$ feet, thence $71.31^{\circ}$ W 323.70 fuet, therve 71 . $8^{\circ} \mathrm{W} 332.60$ fut theuce $7763^{\circ} \mathrm{C} 488$ ffit thence $588^{\circ} \mathrm{W}, 458$ fut to 73.6 on Noith and South eenter hine. Erom M-b. We un North $0^{90} 30^{\prime} \mathrm{C}$ $5^{4} 4$ - fut, theuce $50^{\circ} \omega 565$ fut. Thine to $28^{\circ} \mathrm{C} 404$ feet, theure $52^{\circ}$, 880 fut beginning at 7 l linve of the 36 on eact boundary of

(Last Record entered previous to employ of E.B. Horst.)

Showing that part of Hackensack-Backus County
road throvigh corporate limits Village of Hacknsack and survey tiv Secli, $18,19,20,21,29$ \& 30, T. 140, R. 30. IN LOCATION OF SAME.

RECORD Nㅡ 253

SCALE $1^{\prime \prime}=880^{\circ}$


## SURVEY RECORD NO 253.

## Twp 140. Rp 30 Sections 19.20.21.29.30.

Field rester of the survey of thetious 19,20,21,29 and 30, Tip 140 Dance 30. Gas County, minnesota, as eumeyer by john $W$ Curs acciotid by a. W. Moulstir, s. F. Baedurin. and Gown a. Hohustor

February silo: Form w euro, A. W. Moulster, D. B. Bartlett, and MM. Liken,
 Belgminig at the H comer between rectrovio 19 and 20 , Twp $140-$ Paige 30 , the
 270 East, $255 \sin k_{0}$ ( $=188.10$ fat). We fid a hut and tack set for the true $\frac{14}{4}$ copies, cetcbliiked by form w. Guv, Grunty-Luwryoi, comer set from both gimenment bearing tres. At this time the Podtleact bearing the is govern -having been burned by forest fires but we ford the stumps of the oed
 set by burs and find it to be correct setting transect on hut above mentioned, a tick in the face of the ole d Southevet stump beaning South 680052.88 feet distant. We find a new hearing point set by, Como being a tack in a 20 init noway pine stump which beans Afouth $10^{\prime} 34^{\prime}$ last, 30.83 fist distance. We establish a new bearing the being a 4 such tack pane which beans
 tuned from the the meridian, variation being 80 46 ' at this tenne. With travis, set on if comer post we back-site north along East frundwry of the
 @146.40 fut set hut.@900 fut set pin, @106 0-enter swamp. @1180 leave same.@1200 pin in South wheel track of road cunning east and Wext.@1299.50 tach in White pens $\log$ - 1320 stake .- temporary $1 / 6$. @ 1340 enter open meadow.
 (1)2640t29.80(2669.80) tack in pole hutidouth center linie.@2640.45 South
 government notes call for stake and hearing trees, $\operatorname{tam} 4.550 \% 125$ hinipo $=$
 We firid this comes previously estaklisiled by Euro tertirig it we florid it correct with new bearing as follows: Tam stump 3 Northeast $\% 70$ feet. Tam stump 3 northwest 8.25 fut to tack head. Cue wed qovemminit hearing the standing in Hector 30 still plainly markers and as a singh Tamarack which hears South 470 W. 27.72 fut to tack head on B.T. mark. Courses turn from tui meridian at 80 $46^{\prime}$ variation. We plant a new Tam post 313160 munches for the the comer marked 19, 20, 29,30 Twp 140 Mange 30. Quit for night. a. Mouleter, ingmers.

February 9, 910 : Correcting back ar a print 1 s30. 2 South we chain west 14.06 feet where we. pet the south $1 / 16$ comer between cations 19 and 20., Top 140, Range 30. We test the Cart, boundary of section 19 set transect as $1 / 4$. post on each side, baels site to flag on northeast comer and find that the line run yesterday to be straight: Ge ginning at the Boutleach comer of Section 19- 140-30, we
un West Through swamp-variation 9:0.@300,600,1200, and 1320 ret pin.@1320.13 tack in Tam log.1490-leave pwamp.1559.15 set hud 1620 piri 1907 old gruernment woas Houth and. South, 1920 pein12220 kin. Lukeus, buw, chain, flaq, and àe. A. W. Moulstes engmeiv. Quit for the unght.

Febquary10.1910:-Bontunui West.@2520pin,@260\%30 che1/4 civner beteven - Sections. 19 and 30, set South 4. 80 ft At this point the Eouernment uotes call far post and fallouring bearing trees Noway pini 12519 w23 links. White pine 12 nosth, 24 weet, 32 links We find the stumps of both oed. Se aning tries wikith chect out with the $1 / 1$ corner previvicle estaklesked by bourty - Furubyow buco. Wich transit uear Poutheact comer of efectioci 19 and ou ous random hxi 2660.45 South of the 1/4 sornev we take the angle of the south and Bast licies which is $89^{\circ} 44^{\prime \prime}$ - abver augle ta kew fivm East nandom hue aud true South luei of bectivic 19, 140. 30 A. W. Moulstev, trausit, man.

Tlarch 16.1910. Lukeus, Gohw W. Buro. aud. A. W. Mouloter shart on the $1 / 4$ coinev of Secteris 19,140 - 30 and Run Hasth. Varicitcons 90 We run wito builduigs so bacp if and chauge our hue.

March 17,1910. Sdid up.
March 18, 1910 Elactivig at 1/4. comer Ericth side of 19 , Rinn Douts 8\% variation. 300 kin,495:85 kin on hill.@600,900,1200 and 1500 set pis.@1691.08.set huk.@1800.2100,2400,2500 set.pin.26.40 nito creek. 270.0 Minspiko.@29t3.22 tack in hi in main biiv of M. TI Pailway @ 3000 set pin. 3300,3600,3900 sek pin. At H0.48 tacks in huk. H18d enter open hov.@H200 pin ui loy.H390-leave boy.H500 kini.H700.Ho tack en hus
 tack un pturip on hill. 5100, 5\$8 pin. 5326.20 fut, set pin nouth side of firnd, theuce West $90^{\circ}$ angle 120.25 feet to ceuter of Pailway track. Startwing at $1 / 4$ corner between Slectrons 19 aud 20-140-30 ehain NMth.@272 pis.@.4 172.10 hiib.@H74pin.@500.800.1100pin.@1250.50. hít and tack. 1H00 pin, 1462 entev lake-1500,1800,2100. pin our ice 2195-leave.lake. 2300pin;2600.jin ui boq.@2639.90. nitercut comen to Sectevic 1.7,18,19 and 20.. A..W. Mouleter, trausct mace

Mareh 19,1911. Goher W. bew and Have. Ol. Fodd be giu at the cuiter of Section 19-140-30 and nun lact 2640 fect to she $1 / 4$ corner between section 19 and 20.

Moveuber 23,1.915. K.F. Baldevin, Truueit and chain. Hev. Dilworth ap and ehain. Follow the abcady laid rut bounty road from the end of Whipple Ave, wi the illage of trackusack, South to the $1 / 6$ in ceuter of Bast $1 / 2$ of Hectivi 19 _ $140-30$, theuce East along The $1 / 4$ line 1320 fut, to an uin monumeint, prevoicsly established for the $1 / 4$ coiner betwees section 1.9 and 20 theuce Pruth along the pection hive, 1330.29 ft . to the South $Y_{1}$ corner betweeu pectionio 19 and 20 whie we pet res transit and eontinue the purvey of the tiackenpack - Backus Rood. Ruw Eact $8^{\circ} 45^{\prime}$ variatioin sht G pfikes with red caps as line hubs but do uot chain. Quit fov uiqht.

H rueuker 2H11915. Warm. scow meterig. Boldurn and tho Dikvorth. Aloe transit. Continue last wu South $r_{1}$ hue of Section 20-140-30, 100 frat bliciugo steel taper, slake set each 100 feet at 446.90 set sit wish spike at 550 cross soak, cunning Southeast @ 698.40 tack in 12 init tack Pixie sturnp-@915 enter wet mans, @1085 have came-@ 116560 sit which. hub-@. 1085.00 suss inch hut-@ 2!04.70 hub and tack. Quit for night.

Hovewher 25;1915. Thanksgiving day. Baldwin with Aloe transit 100 foot chain. Dilworth, are quad flag. Contwui each at 27iss. Ho sit with spike for hub. @ 3462.00 sit with spike for hub. 3740 enter swamp. 3830 heave pame.@3876.50 hub and tack, 3890 enter Tam swamp, H16o leave same. Omit Lav wight.

Friday フrvewber 26, 19/5. Same chum conturie cast.@ \&270:60 Nix mich spike for hut, 4721.50 six wet spike for hub, @H86 s enter swamp and marsh. Quit this hui aced walk to corner of Sectivis 20,21,28 and 29. where we fid aw in on monumuet prevoicly istableskes by bounty thricyor bur for the true comer from which we sun north on $45^{\prime}$ Variation. Ante marsh. 190 leave marsh. 359.00 sis with pick for hub, 510 enter ciwamp. 670 leave swamp, 754.30 sit with spike for hut. The Tam swamp is W to feet. Quit for wight.

7 oveuker 27,1915 Bdeduriu and Diluovah continue $r$ between Sections 20 and 21,140-30.@ 973.50 spike for hut, at 1100 enter swamp and mash, 1500 b eve same, 1552 hut and tach. 1600 enter Tam swamp, 1829.00 hub and $\operatorname{tack}, @ 2612.60$ The $1 / 4$ corner Leto west 42.60 fut. The $1 / 4$ comer is ow high land as 2612 io ectge of swaup. At $1 / 4$ comes between elev. 20 and $211140-30$ Government votes cull for slake and be bruin trees as follows:-
 ( 13.20 ft.) We fid the stump of the while pie plainly unarked from which we set a $3 / 3 / 36$ such white ash for the $1 / 4$ corner. Quit for might.

Monday 29,1915: Same crew. Bonecting South, we put in the South $1 / 6$ corner between sectevies 20 and 21, where we set a 3|3\30 inch square Tam post for the true $\frac{1}{16}$ and bring ours random line from tho west at 5266.60 east. The South $1 / 16$ comer-betwcen 20 and 21 est South 22.60 feet. The first half
Cost from the 16 comer vibetweeu sectivies 19 and 20 will be Bast from the $1 / 6$ comer between sectevies 19 and 20 will be conceited as follows. 0043 of a feet South. for each foot. East. $0^{-266.60 ~ e a s t ~ g o e r ~ S o u t h ~} 22.60$ feet. 2633.30 east Goers south 1130 fut. 2104.70 east goes South 9.03 ft 1580 goes South 6.80 feet. 1165.60 least goes South 5.00 feet: 689 . 40 e east goes South 3.00 feet. 446.90 east goes South 1.92 feet. Beginning at the lion comer to then. 20, 21, 28, and 29, 140.30, we sun west following about line of fence which we crossed siveval times. At 955.80 set alike hub, at 1764.80. set spike hub, at 195.5. cross dree way to Mir. Guido -howe. At 2000 set stake. Set hut accioes arm of Pages
lake ainck quit for wight：
Hovemacs 30，Yt Balduriu is in at able to warp．Whew．Nilworth walks to the comines ofifecteaces 19，20，29 and 30 where the finds the oed retake and－bearing trees steel in place．

Deceukev．2，1915．John a fokcertaw takes Batduric＇s place at the transit and with elev．Dilworth as assistant chain and ake－man，continues the hire West between Sections 20 and 29．At 2421.54 we hook Rail Ce．S．meander comer 7io．31．Our quirmment water call for a post and the following －Hearing tree r Tam＇ 9 north $40^{\circ 8} 8$ links distance．Tam 12 South 59 －cast 150 lines distance all aflecar to he gone arid we continue West．With transit at hub i764．80 we ret print．on we at 2600.20 fou use later in placing $1 / 4$ coiner． Lect out and subbed over line to point opposite comer．to：Section 19，20， 29 and 30i．chaining between hubs 2600．20 and 4351.60 dour on ice by off ceiling Srith＠2457enter－lake．．At 5254．60 hub in miaow．The comer to 19．70．29 and 30 pets $97: 50$ fat left at angle of $96.58^{\prime}$ ．At 5266.40 west，comer post sets frith 96.80 feet at citation 33．51．60 West wearier comer 710.32 sets south 52.70 fut． Quit for right．
Deccunde

Decembw 3， 1 N．qohw a．fohuctor，engineer wi charge．Hew．Diluruth
Living as ate and chairman．It U．\＆f meander coiner no． 32 where U．\＆ notes cull for doit and following．be amnio trees：Tam $14 N 25512$ links distance． We find the Tam plainly marked aud a tach previously drive in the face of The vel fugines by thmeyor Biro．We do nat take tie to pet the poet －fur calculate the pricition．The tach in the fugines on the face of the old B．T．is 45.50 ．feet south of rus sand om hive of a pout 3348.20 fut West．IE n fugir－ ing correction for the whole mile stravght，meander corner $7 n .32$ pets 3355.60 W and 1914.80 E．of the South comers of Sec． 20 ，and 9 fut out of line at the
 Ineandir comer no． 32 and set a temporary 泣 comer on Britt side by diving ai spike in wi 48.40 fit south of posit on our random line 2633.20 feet went aide firm the spike fisk set in ice，we mart ww be awing trees：poplar io，Lias mouth $50^{\circ} 20^{\prime}$ ．west 86.40 fut．poplar 5 bears $1154^{\circ} 30^{\prime}$ E 165.30 feet，variation $8^{\circ}$ This fines the position of the north and South enter line as to east and Wit but the tue i＇14 coiner if set on un stowed go a few feet fhuther Touts to be in bini with Meander coiner，No． 32 but as he do rout care to establish．The ：＇14 comer；but only establish the North and South enter line，we m Faith on $7^{\circ} 45^{\prime}$ variation Intersects the Bast and west random heine $(1 / 16)$ at fusion．P．M．continue：North all day without chaining．Owit for wight． Decewhiw 4，1915：Same crew continue North virifout chainivig．Intersect North boundary of Section 20 at a point 28.80 feet West of the non $1 / 1$ wines previously established by bounty Surveyor bur from old government bearing trues．We walks $3 / 4$ of a mile South and correct ven the West half
mile of the South $1 / 16$ line as given above，then correct the South $1 / 4$ mile of the North and south random hin fist hon and at the intersection of the two straight lines connected we set the true $1 / 6$ corner in the center of the
prot from, whith a dry fomie stub 8 sickes in diameter bearon $9010^{\circ}$ wewt
 Theadi, variation 80. Froni chairiage 2629.60.EE on random line run by Buldurin.
 tiles. a hut we drui in saw dust, and mart a feant on twe noith and
 is 86.80 firt nowh foth pronit for the Nwe $1 / 4$ evinier if flaced on rie. We carrect the East $1 / 2$ 筑the linc bitureen secturn 20 and 29 as foilours fut 953.80 uset Goes South 14. 95 , hut 1764180 west, goes South 2771 . In pin fifotmoton
 the survey for noad purpores moide the borporati Uiecaige himits as -un along the twie sut-dwiecoiv. heni from the Toorth shou of paques Take to the east end of Whifple avo, a distance of oue mile move on hess The plat herewith is a twe plat of said survey.

## TWP. $142 \mathrm{~N} .-$ PG. $26 \mathrm{~W} .5^{\text {TH }}$ P.M. <br> SEC'S. 5 AND 6 <br> TWP. 143 N. $-R G .26 W .5^{\text {TH }}$ P. M. SEC'S $17.18-19-20-29-30-31-32$

Fiele motes of the cumey of Bounty noad known as the Slater rove extenseon, as suweyed Hy Gohn w. buro, County Shweyou of bass County, Minn:" assisted by P.M. frott, surweyed though beitions o and 6, Twp 142-range 26, and sections 18, 19, 20, 24, 23,31, ano 32, Twp 143-R26 Octobur\& 1915. PM. Scotz vopies field uotes of previous sumeys of Sllater road, Twp 142-Pange 26.

October 10, 1915: P. Me. Chate enfies necessany field urates of Tup 143runge 26, and taRes uight thair to Bumidju.
 prenoindy establexherg along Slater road.
 flay and chairman. B. Slater, and b. soel, areman. 100 gt . chain. We stait. at che cornev to dections 0, 6,31,32, Setween Twp 1t2-143-1 nange26, estableshed from oed yourmment bearing treis in gune $19 / 1$ by gotn W. Guro, County Clurveyar of Cass County: Rein Nioith random thecween Sbetions 31and 32.
 at this pount being theits conver betwieen sections 3/ and 32 Jwp 143-1.26, U.S. noves cull for post and the following bearing tres: WPGS, HHE 15 elinks
 tree klainly marked, but they do not chuk as to couse on distance with the ervensment noter. We establesh the $1 / 4$ eorner at the ruginal pount where the obd slake staod ofter which the oed $\dot{C}$. ©d © © staids as follows:
 of a frob east fro each foot Nouth. At hat $21 / 6$. To we chain 1113.80 feet, and ret hut on thee line over which we 'set thauset, foces teleecoper on twe 夜comer
 set hub, @ 1234.40 set hub. Quit for might. P.M. Scott, twaust.

Oetobes $13,1910 \cdot P \cdot M$ Shate, thanet man. X. $+B$, tranect, 100 foot tape. Chas. Wolt and Dewey Sleatew, aw, chain, and glay, continue North to the comev of 29,30,31,32,143-26. @ 5253. 80, the crmev to frations 29.30, 31,32 -cto 5 62.15 fect. At this ponit grumment wates cull for a ptake and beaning thes

 hearing trees, erept the 5 mih aspen, and from thase we set the thee comer to seris 29, 30,31, and 32, Twp 143-26, from whit we sun north vaciation ${ }^{\prime} 1$ lact betwren Seis 24 and 30 - © 100 enter mavh, 200 bever parme. 807.90 Net huf. @ 1734.00 set hut, © 2285.20 tach in sturnp. Ouit for wight. POM. Shait
 set hut, ©49/6.00 set hut We cut about a milo and guit for night.

Octobev 10,1915. Contorui Noth © 0350.80 set hut from which the comer to Sections 19, 20, 29, and 30 heans Korth . 67014' 1 2 290 , 50 fut dietauce.

Q- $0^{-4} 63.20$ the carer sits $w 267.80$ fut. At this point being the comer of the Section 19,20,29, and 30 Twp 143-26. A. S. notes call for stake and following
 Spruce $10522 \omega 21$ links $=(13.90$ fut $) \omega 126 \times 45^{\circ} \omega 56$ links $=(36.46$ feet $)$. We find the Maple and the Spruce plainly marked from which we pet the true corner from which we nun north between sections 19 and 20 , valuation 90 F., © 500 enter bog. 639.30 -ut hut. Quit for night. Sooth, transect - man

Otodiev 16,1915: Same sew continue north, $120^{\circ} 0$ enter village in swamp, 1350 leave ridge in camp, 1293:00 hub on ridge, @ 1469 leave swamp, @ 1000 centiv. of Ft creek, nw and es. @ 1852.80 hub, brach further north and quit for night

* Wetohev 18: 1915: PM. Sot. A. YB trauset, 100 foot cham. I8. Slater flay and chain. Di later and b. Holt, woman, continue pooh between 19 and 20. @. 2137.60 set fib, from which we off set 85 feet west to get around Cedar suramps anil conteriue North @ 2753.80 the 1/4 comer sets 1124.10 feet, or 209.10 fut Wist of our random line first produced. At this posit being the ${ }^{\prime}$ comer between suction io 79 and 20, Twp 143-26 government notes cate for poet and Ceitair 14.5410 F 7 links $=(4.62$ fut $)$ cedar GN 40 w s links $=(5.28$ fut $)$ we frit: the old post she standing and both oed beaning trees plainly marked, but down- whey chute. for towive and distance at tho $1 / 4$ e omer post which pets 154 north of South edge of swampinitid from this we rum north 9.30' variation, @ 200 ridge in swaimp:300 leaver iuiamp, 612.90 set hub, enter heavy timber, 1072.20-hub, 1695.20 set $h_{i n}$. Genit for night.

Qetoker 19,19:\% PM. Seath, transit man. D. Slater, C. Holt, and 7. Melon "assistants "Goritinice North 1984.70 set hub, 2650.30 set hut, then look for the coiner to fictions 17,18,12 and 20 where C. © notes call for post and the foe rung - hearing thees, bedav 10 no th 2410 30 links = ( 19.80 feet) spruce 14 N 62 F 35 link,: (23.10 fief). We sun a line in the's 17 and 18 , the required course and distance buts find no trace of the old bearing trees, and as the mew state road has gust bier biel east and west of this point the rel stake has been graded out. Isend. M.D. Slater to pee if he can ford the engineer in charge. of the conotuntion of this road who. may have some tie to the ouginat cones Slater returns with no notes but pays the engineer will be back tomorrow and we may be able to find out from him the location of this corner to Section 1218,19, and 20. We walk mow than one half mile South to a hub on our random line 2137.60 fut north of the comer to fens 19, 20, 29, and 30, from which we rum West @ $90^{\circ}$ angle, a distance of 162.30 feet, Where we place hat on twee hive vive which we set the transit, back site on the $1 / 4$ vinery between 19 and 20, transit teliscope and run South wetting out trash along twee line then go to the corner between sections 19 and 20 , where we fut in new bearing trees as follows: Such Balsam 5370 H4' $\mathrm{W} 114 / 10$ fut, 5 inch ash north $66^{\circ}$ West 108.10 feet, variation $12^{\circ} 30^{\prime}$ east.

October 20.1915 Sect, Slater and Son, tret and nelson. At hub 1376.90 on our random heine north of the comer to Sec's 19, 20, 29,30,143-26 we won West 104.60 feet where we pet South '/6 comer between pectisis 19 and do with new bearing as follows: 9 inch aah north $33^{\circ} \sigma^{\prime \prime} \mathrm{W} 10 \%$. 70 feet. 9 inch ash 710uth $62^{\circ} 30^{\prime}$ that 99.00 feet variation $12^{\circ} 30^{\prime}$. East, from the $1 / 6$ we run

PLAT OF SLATER ROAD E COUNTY ROAD.
AS SURVEVED in SECTIONS 5 and 6 , TWP 142, PG. 26 W , AND SECTIONS 17, 18, 19, 20, 29, 30,31 and 32 . TWP. 143 N, RG. 26 W . IN LOCATION OF SAME.


South cutting rut the tue heine... interaceting 130 feeti-east of the cornerto electrons 19.20,29. and 30, wt what h cannes we establech new bearing as follows: 12 with Cedar North .61018'eact. 6.6.6. feet. 18 which white Dak, South
 mouth $59.43^{\prime}$ West 3.6 .20 feet. We walked to the coiners of Section 17, 18, 19, and 20 where Mo. Oho aseists us in firidirig the stake eec for the true canner by Mi Gall; enginew in charge of Stater road no. 45 and at 2679.30 North on rus 2 and om line: This corner sits 148.50 feet $W$. We maui new be arrigo as frefows, Cedar 10, north $60^{\circ} 15$ ' west 60.80 feet, spruce $8510^{\circ} 53^{\prime \prime}$ W 37.90 fut, white pine '... 10 Youth 23.01 east, 35.00 feet, Spume' 8 north $65003^{\prime}$ last 79.20 fut at the 7osthith copter between sections 19 and 20, we establish same with new bearing as
 fut $\mathrm{O}_{\mathrm{Q}}$ whit for night.

October 241915. We conch all hubs between sections 19 and 20; 00-542 weest
 un n west 74.80 fut te the north $1 / 16$ ever hitwaen fictions 19 and 20. @1072.20 North chain 59.40 West to true -hnie.@612.90 we chain 34.00 fur West to true hive. We go. to the comer of thection 19 and $20,29.30$ and from our hub 807.90 fut 7 orth we chain west 39.60 fut where we set the transit. focus telescope on 29,30,31 and 32, and cut rut the true hire, then go to the comer of thections 29,30,31,32, where we mark new hearing as foll riot: Poplar 3 South 44020 'w 61.80 feet. Poplar
 cat, South $460.25^{\prime \prime}$ east 27.00 feet, variation $10^{\circ} 30^{\prime}$ 'east, then follow our vandom line mouth to station 1365.80 Mouth from which we nun $w 67.00$ feet and set South 1/6 comer between sections 29 and 30 with new hearings as follows: Noway stud.
North, we chain West 133 . Wet she 8 north $82^{\circ} 23^{\prime}$ east. 44: H0 feet at platen 2731.60 2\% and 30 with new beanos as follows: Wp. 7 N85006' east 130.80 . feet, Tam 4 section $14^{\circ} 13^{\prime}$ West 150.20 fut, variation $10^{\circ} 30^{\prime}$ ' east. At station 4097 . Ho Trout h we sum Wet 200.85 and pet nouth1/6 coven between pecturis 29 , and 30 with new hearing: as follows: poplar 3 South 72051 last 58.80 feet, Poplar 4 north $33^{\circ} 45^{\prime}$ wert 49.00 fut, variation $10^{\circ} 30^{\prime}$ each. At the North $1 / 6$ coiner between fictions $31 . a n d .32$ we set new be awing as follows: ins? South 39006 . west 45.95 fut, then
collect the balance of the $1 / 2$ mile siting hubs carnet the balance of the $1 / 2$ mule setting hubs along the the line suit far night.October 22.1915. Scott. Slater and son and Holt. At the $1 / 4$ comer between sutton 31 and 32. We mark new he awing as follows: poplar 4vath 83057. Wat 51. 40 fut. poplar 3 north $40^{\circ} / 9^{\prime}$ last, 50. 80 feet. variation 80 . at 2116 . To fut, north of the comer co 31,32,5 and 6, we' chain cost 13.80 fut to true line @1436.40 Mouth, Sb Chain West 9.40 fut on true line.@ 1315.40 we chari west 8.60. fer where we set the South $1 / 6$ comer between section i. 31 and 32 Tam stud 8 ninth $4 \Gamma \circ 43^{\prime} W 93.50$ feet, variation 80 east. We then go to the comer of Section $5,6,31$, and 32 , Trwnshifes 142 and 143 , range 26 West puriruly established from which we nun South variation 90. At 401.30........... set. the b.@550.00 exitev mash, @ 7.00 leave came @1045.70 jet hul.@1273.70... sit tut, @1450 enter bog, @1516.30 the North $1 / 6$ comer previously

Cstabhaked by Hammy \& Sold, and County Eurveyms Euro, fay the Mouth $1 / 6$ corner between thetioris 5 and 6-142-26, sets West 13.00 feet. This $1 / 16$ corner was set in 1912. We correct this line back and at a point 1100.00 feet south of $5,6,31$ and 32, we set hub on trice heine and for this porit un South $40^{\circ} / 4^{\prime}$ West. Angle turns from true bine at $9^{\circ} 40^{\prime}$, variation.@325-fect enter swamp, @ 510 leave eame,560 enter euramp, 700 leave came, 780.60 set hub, 930 enter bor, 1150 leave bog, @1259.00 set hub, @1620.40 set hut, @ 2030.20 set hub,122.10 fut north of an old Sub whit sets in the youth end of the newly graded - Elater road. This old hut in the North end of the newly graded - Elater road, waring the Elater road as a -muriduain the angle line just run bears Darth $41^{\circ} 25^{\prime}$ to the wight. The oed hub in the North end of the graded ellatew woad is a ternpurary 1/16 comer, supposed to have been set by a Survey as Hames Flymw. At the comers of Section $5,6,31$ and 32 , we mart new be aurigo as follows: Inonwove 4 South $38^{\circ} 26^{\prime}$ West 75.20 feet Maple $10537^{\circ} 28^{\prime}$ east is feet. At the 77anth $1 / 16$ cares between fLections 5 and 6, 142-26. we mark new hearings as follows: Dow way Bini $77 n o$ th $79^{\circ}$ of' last 102.40 feet.
variation 90 least

T141. R26. Sections 1.2.11.12.
13. 14.15. 22. 23.27.34.

Field notes of the survey of part of STATE FIURAL HIGHWAY"OB through sections $1,2,11,12,13,14,15,22,23,27,34 \mathrm{Tw} .141, N, 7 \mathrm{Fg} \cdot 26 \mathrm{~W}$. and the ties and bearing thees to corners in said sections as surveyed in der the direction of 7 rr Leon. A. Ralph as copied from the field boots of $m=$ Ralph assistant Engineer Mr H.K. Colvell who handed sic his field boots of said survey to be copied aud and. recorded.

Sec. Cor. 1,2,11,12. 16'o one wary

1/4 Cor: Sec. 11.12

Sec. Cor. 11,12,13,14
$1 / 4$ Cor: 13, 14

1/16 Cor: 14,15
$1 / 16$ Cor $\operatorname{Sec} 14,15$

Sec.Co70 14, 15, 22,23
$1 / 1$ Cote 22, 23



## PLAT OF

## STATE RURAL HIGHWAY № 83

As SURVEYED IN SECTIONS $1,2,11,12,13,11,15,22,23$;
27. 31

TwP 141 N., Rą 26 W
SCBLE $7^{\prime \prime}=2400{ }^{\circ} \mathrm{C}$.
RECORD №255


## 88

PLAT


TwP. $140 \mathrm{NRG} .26 \mathrm{~W}-5^{\text {th }} \mathrm{P}$. M.
SEC's. 10-11-14-15-22-23-26-27-34-35

Field. notes of the survey of a part of STATE RURAL HIGHWAY No 83 through sections $10,11,14,15,22,23,26,27,34,35.7 w \mathrm{~F}, 140, \mathrm{Fg} .26 \mathrm{~W}$. and the ties and bearing thees to corners ie said sections as surveyed under the direction of mr Hes. A. Ralph as copied from the field books $\nabla^{m s}$ Ralph's Assistant Engineer $m^{1}$ H.L. Colwell who horded in his field boots of said survey to be copied and recorded.
$1 / 4 \operatorname{Cos}$ See. 10,11,


Sec. Cor, $10,11,14,15$.
y/4 Cor See. 14,15
State $33^{\prime \prime}$ Each side
1/4 Cor See. 22; 23
Stake $33^{\prime}$ Each side

Sec. Cor. 22, 23, 26,27.


| 10 | 11 |
| :--- | :--- |
| 15 | 14 |

$$
\begin{array}{l|l}
13 & 14 \\
\hline 22 & 23
\end{array}
$$



1/4Cor.Sec. 26, 21
State 33' Each side

$$
\begin{array}{l|l}
21 & 26 \\
\hline 34 & 35
\end{array}
$$

$1 / 4$ Cor Sec. 34,35,
Stake 33' Each side
$470+87$ $470+87.6$ Ing. $0^{\circ} 53^{\prime}$ Stake $33^{\prime}$ each side $497+13: 4$

$$
\begin{gathered}
523+48 \text { And } \cdot 0^{\circ} 06^{\prime} \text { Left } \\
\therefore 56^{\circ} 45^{\prime} E
\end{gathered}
$$

$$
\begin{gathered}
549+91 \underset{56.51 \%}{\text { And. }} 0^{\circ} 00^{\prime} \\
\text { 5 }
\end{gathered}
$$

$$
\begin{gathered}
576+34.8 \quad \text { Ing. } 1^{\circ} 2 z^{\prime} h \\
50^{\circ} / 3^{\prime} E^{\prime}
\end{gathered}
$$

$$
602+80 \quad \text { And. } 0^{\circ} 00^{\prime}
$$

$$
629+26 \quad \text { ing. } 1^{\circ} 28^{\prime} B
$$



$$
\begin{array}{c|c}
34 & 35 \\
\hline 3 & 2
\end{array}
$$



TWP. 139 N -REG. $26 \mathrm{~W}-5^{\text {Th P. P. }}$.
SEc's. 2-3-10-11-14-15-22-23-25-26-27

Field notes of the survey of a port of STATE RURAL HIGHWAY No 83 though sections $2,3,10,11,14,15,22,23,25,26,27$ Twp. 139, N. Rg.26,W. and the ties and bearing trees to corners in said sections as surveyed under the direction of $m^{n}$ Leo.A.Ralph as copied from the field books of mr Ralph's Assistant Engineer int $H \cdot h$. Colvell who handed in hivithooks of said purvey to be copied and recorded.




TWP. $139 N-R G .25 W-5^{T H} P \cdot M$.
SEC's. 11-12-13-14-15-19-20-21-22-23-24-27-28-29-30

Field notes of the survey of part of STATE RURAL HIGHWAY No 83 through sections $17,12,13,17,15,19,20,21,22,23,27,27,28,29,30$, Twp. 139 N , Rg. 25 W . aceording to notes sent in by Leo. A.Ralph and A.L. Colvell Engivees with o requirt that the theme hivionded

| $1268+988$ | y/t Cor between Sec. 20,2as |
| :---: | :---: |
|  |  |

1182 +19A1 E4t Car N Sixde Seci29

 T. 139, N. .fg. $25 . W$.
$1446+179,55$ H16Cor. Sec. $14,13 . N$





## Twp. 144 RG. 28 SEC's 33-34 <br> TWP. 143 RG. 28 SEC'S $1-2-3-11-12-13-24$ <br> TWP.143.RG.27SEC's 6-7-18-19

Field notes of the survey of a part of STATE RURAL HIGHWAY No 45 through sections 33,34 Twp. 144, Rg. 28 W. and sections 1, 2, 3, 12,12, 13,24. Tup. 143N. Rg. 28 W. sections 6, 7, 18, 19. Twp. 143,N. Rg. 27W. and the ties and beaning thees ts cornens in said sectionis as surveyed by under the direction of Mrs leo.A. Nalph as copied from the field booto of thr Ralphis asistant Engiveer TWL H.C. Colwell who hauded in hio field books of paid survey to be copied, and recorded.

> New B.T. $14^{\prime \prime}$ Aspoin $S_{10^{\circ}} 30^{\prime} \mathrm{W} 54^{\prime}$ 12', Bi'rch $N 62^{\circ} 30^{\prime}$ F 82. ?' $^{\prime}$
> 103+60 Sec.Cor. 1, 2, 11,12. old post.
> New BT: 8"Ash S. $21^{\circ} 30^{\circ} \mathrm{W}$ 74'
> $9^{\prime \prime}$ spruce $565^{\circ}$. E 69.5'
> 12"Gedar N64* E 56.8'
$130+12$ 1/4Cor Sec.1.12 Oud Goo't post
Oza B.T. Spruce N.E: $16^{\circ} \mathrm{Lying}$ down
New B.T. $16^{\prime \prime}$ Ash S' $72^{\circ} \mathrm{W}$. 96.3',
12"Berch N $74^{\circ}$ W. 126.2'
Sechine between R. 219428 Twp. 143

B.T. 15"Brirch S-W 59.4' (nocheck)
B.T 12" " N.w. 49'
B.T. 12" " N.E. 54.8' (cont find)

183+48 $1 / 4 / 4 . \operatorname{Cor}$ Sec 7,120
Ond B.T. Rotten Popal Stp. N. $90^{\circ} \mathrm{W} .44^{\prime}$
N $\because \cdots 6^{\circ} \mathrm{E} 8^{\prime}$
New B.T. $10^{\prime \prime}$ Brireh N $64^{\circ} 30^{\prime} \mathrm{W} .42 .6^{\prime}$,
3, 10"Brirch N $85^{\circ}$ E, 64.8
$220+00$ Sec.Cor. 1,18,12,13. IronStake K。B.T.
New B.T' TD" Mapte $N 55^{\circ} 30^{\prime}$ E. 66.4',
" " $12^{\prime \prime}$ Britch S $37^{\circ} 30^{\prime} \mathrm{W}$. 72.0'
236+A3 多Coresec. $13.3: 18$. Ota Post
Old B.T. Stump $S 44^{\circ} 30^{\prime} \mathrm{W} .13^{\prime}$
N, N $55^{\circ} 30^{\prime}$ E. 13
New B.T. $10^{\prime \prime}$ Ask $\quad N 79^{\circ}$ W. $42.4^{\prime}$
$\because 12^{\prime \prime}$ Brech S $87^{\circ} 30^{\circ} E$. $4.5^{\circ}$
263+ Sec. Cor. 13, 24,18,19. Ord Post Ko. BT,
New B.T. $100^{\prime \prime} \beta$ cisswood $N 81^{\circ} 30^{\prime \prime}$ W. $56.4^{\prime}$
$S 43^{\circ}$ W. $49^{\prime}$
$4^{\prime \prime}$ Baitsam S $34^{\circ} 30^{\circ}$ E. $48^{\prime}$
12"Birch N $44^{\circ} 30^{\prime}$ E. 44.8'

## PLAT OF

state rural highway NO. 45
AS SURVEYED IN SECTIONS Zुउano34 Twr. 144 N. Ra. 28 W , SECTIONS $1,2,3,11,12,13$ and 24 TWP: 143.N. RG. 28 W. SECTIONS, $6,7,18 \& 19$ T. 143, R.27: SCALE $1^{\prime \prime}=2640 \mathrm{FT}$

RECORD №259.


PLAT OF
STATE RURAL HIGHWAY
As surveyed in Sections

Sections 6.7, 413to 24 nuc. Twp. 143 N: Rg. 27. W.
$\begin{aligned} \text { Sections 6.7, } & \text { \& 13to } 24 \text { ne. Twp. } \\ & \text { Scale- } 1 \mathrm{in}=2640 \mathrm{ft} .\end{aligned}$
N0. 45.

6
RECORD No 260


SURVEY PECORD № 260.
TWP 143 N -RG. $27 \mathrm{~W} .5^{\text {TH }}$ P.M.
SEC's 6-7-13-14-15-16-17-18-19-20-21-22-23-24

Secting Fild wotes of the survey of a poct of STATE RURAL HIGHWAY No 45 though sections 13, 14, 15, 16, 17, 18, 19, 20, 21,22, 23, 24. Twp. 143N, Rg.27. and the Ties and bearning tien to comers in ieaid seetions as surveyed under the dircetion of hir Seo, A. Ralpho as copied trom the field booko of ms Ralphis assibtact Engiveer Tho HR. Colvell who, handed in his field books of oaid survey to be cofied and recorded.
$289+\quad 1 / 4$ Cor 18.19
OZa Pos $Z$
Old B.T. Stump. S.E Yying on the ground

314+66 Sec. Cor. IV;10,19,20. Old Post no B.7.

$$
\begin{aligned}
& \text { New B.T. } 3^{\prime \prime} \text { Poplar } S 25^{\circ} \mathrm{W} \text { " } 84.4^{\prime} \text { to nail in B.T. } \\
& \begin{array}{lll}
4^{\prime \prime} & S 70^{\circ} 30^{\circ} E & 1142^{\prime} \\
4^{\prime \prime} & N 82^{\circ} & E \\
115^{\prime}
\end{array} \\
& \text { A" }^{\prime \prime} N 1^{\circ} E \quad 76.6^{\prime} \cdots \cdots .
\end{aligned}
$$



366+85 Sec. Cor. 16.17, 20, 21 Old Rost


old. B.T. $5^{\prime \prime}$ Tam. $N \quad W$ 17' Fnail in B. B.T.
 $471+72$ Sec Cor 17, 15, 22,23
Nen B.7. $6^{\prime \prime}$ Ceddr

| New B.T. | $6^{\prime \prime}$ Cedor |  |
| :---: | :---: | :---: |
| $" 1 "$ | $"$ | $4^{\prime \prime}$ Tam |
| $"$ | $"$ | $6^{\prime \prime}$ Spruce |
| $"$ | $6^{\prime \prime}$ |  |



$524+94$ Sec. Cor 73, 14, 23,24.
New B.T.
8, Bedor $^{2}$
$551+341 / 4 \operatorname{Cor} \operatorname{Sec} .13,24$.
New B.T.
.$\quad 4^{\prime \prime}$ Pine
". $15^{\prime \prime}$ Poplar

$$
\begin{array}{llllll}
\text { Olq Post } & & & \text { No B.T. } \\
S 11030^{\prime} & W & 50^{\circ} & \text { to nail in B.T } & \\
N 4^{\circ} & W & 39.5^{\prime} & \vdots & . & .
\end{array}
$$

$577+74$ Sec Cor 13,24,18,19
Old Post

$$
\begin{array}{cccccc}
\text { Ola. B. } & 12^{\prime \prime} \mathrm{Tam}^{\prime \prime} \mathrm{S} 54^{\circ} 30^{\prime} \mathrm{W} & 8.4^{\prime} \\
" \quad 8^{\prime \prime} \quad " & \mathrm{~N} 16^{\circ} 30^{\prime} & \mathrm{W} & 74^{\prime} \\
& 6^{\prime \prime} \text { Spruce } S & & E & 7.3^{\prime}
\end{array}
$$

## PLAT OF

## STATE RURAL HIGHWAY NO. 45

As surveyed in sections $18,17,16,15,14,13,19,20,21,22,23,24$. TWP. 143 N.Rg. 26 W . Scale-1in $=2640 \mathrm{ft}$.

RECORD No 261

| Sec. 18 $1 / 4$ Cor:$\qquad$ | Sec. 17 <br> Sec.Cor y/aCor |  | $\begin{gathered} \text { Sec. } 16 \\ \text { sec. Cor } \\ \text { Sicorer } \end{gathered}$ |  | $\begin{aligned} & \text { Sec. } 15 \\ & \text { Secoor. } y_{1} \text { cor } \end{aligned}$ |  | Sec. 14 | Sec. 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| $577+47 \quad 604 \times 9$ | $6^{27 \times \times}$ | $654+87$ | $681+81$ | ${ }^{708+0}$ | ${ }^{734+6}$ | ${ }^{717 x+6 z^{\prime}}$ | $778 \times 54$ | ${ }^{887+52}:^{868+88}$ |
| Sec. 19 | Sec |  | Sec |  |  |  | Sec. 23 | Sec:2.4 |



## TWP. 142-RG.28-SEC's 30-31 <br> TWP. 142-RG. 29- SEc's 25-36

Field notes of the survey if a. peat of sec 30 . And 31 , Tounshipe 142 , Range 28 and section o 200and 36. Jounchip 142 , Range 29, including ane mile of a County iona to be tevoive as the "Rrevik"Roral" running north and south between restionc S 1 and 36 . surveyed fy and under the directionig forth wo.Curo, fount surveyor, Cass.Co. Thin, oncisted thy EBB. Horst, Deprity County surveyor.
April 9, 1916, EB. To sst with transit and other survey to ole belonging to Cero, and special field notes provided thy Curs, leaves Walker with Trotter Ttaterman and tam, at 4,30 A.M. and drives acrosodeechsake to krevik and take e dinner with Haberman. P. M. Frost looks up hoarding place with Olif Erigen who agree to found Font at $\$ 1$ Io per. day.
April 10,1916 EB. Host, Engineer, alfied Bor and john 7 Berger, Amen, chainmew + flagmen go to the corner to sec. $30,31,25$ and 26 ow range line between Township $1 t 2 N$, ranges 28729 vi where U.S. Notes call for a post and fearing trees as follows-
Poplar $18,524^{\circ} \mathrm{E}, 25$ linker distant $t=16.00$ fecit . Poplar, $580^{\circ} 20,20$ linter distant $(=13.20 \mathrm{ft}$ ) ELM $0, N H^{\circ} W, 10$ line distant $t=6.60$ ft.). Thaple $16,180^{\circ} E 65$ links distant $(=42.90 \mathrm{ft}$ ). we find the 24 inch poplar and the 16 ind Maple from which we set a square poet for the true Rection conner and mark the following new bearing tree
Thaple 12 inches in diameter, dears $111^{\circ}$ W, 59 feet distant. Thaple 16 inches in diameter, bears $580^{\circ} \mathrm{F}, 37,50$ feet distant. Thaple 10 inches in diameter, dens $N 16{ }^{\circ} \mathrm{E}, 49: 70 \mathrm{ff}$ distant. Elm 1 inches in diameter fear $55,000,43,58$ fut distant. We ret up a large pole at this comer, then place the line about a Raf a mile south to the $/ 1 /$ comer between sections 31 and 36 which is on a hill and at which point USs. Note Call for a port and the following fearing trees: Noway Tine $24,555^{\circ} \mathrm{w}, 47$ linker $=31.02$ feet . Now way tine 24, $575{ }^{-}$E, 20 links $(=13: 20$ fut). We Find one stump marked, and the other stump is cut if below the scribe Thaitis: there are no other trees or stumps near: we set a square post for the true $1 / 4$ comer, wei Which we set the transit, chen zocur telescope on flay half a smile worth at the corner to sections 25,30,31 and 36 , and mun North on true line betercen cectionic Bland 36, Five 142, 价 28 and 29 :
At 325 fut enter Tharsh: At 430 feet leave Marathi at 443.50 ft . set stake fou road center: ats 35 enter small pond: ats70 leave came: at 1018 enter Tharek: at 1100 leave Marsh: At 1124 feet set stake for road center: at 1200 enter male round: at 1340 leave same. at 1878 set stake for road center: at 2656 fut intersect the true corner to sections 25,30,31 and a 6 .
April I1,1916. E1B. Horst transition: Ai Bovevand J. Berger ate, Chain and flagmen. vigo to the iron monument previously ectatisced for, the true comer to Dopa. 1 it and 142 N , Range 28 and 29 Wigrom which we run Tooth, variation $9^{\circ} 3^{\prime}$ ' E . at 10. At. enter marsh; at 250 leave Thareh; at 477 ft. set hut: At 780 feet enter Marsh: At 1000 leave mash. .. at 1133 ft set hut: at 1533.20 ft . et Rut: at 1956.00 set hut: At 2627.60 the $/ 4$ comer between sections 31 and 36 ; rete west, 20.50 get . Concreting Rack, each tut goes. 0078 ip a foot west for each foot north. At hut $195^{\circ} 6$ we chain inst. 1525 ft: and pet hut on true line. Ot huh 1533.20 we chain west $11: 95$ ft. and pet hut on tue line: Ot hut 1133 we chain w8.84 ft. mend set hut on true line: at hut 4.77 we chain west 3.70 ft. Where we set hut on true line: we set transit over ion Jug. Corner, sight south on hie on twee Sup. line, transit the telescope and sight north, the true north line angles east 103.5.' NORTH TO LEEECH LAKE


No263. continued

We walk to the $1 / 4$ comer Letween sictione 31 and 96 , over Which $g$ sit the transit aud. Right south alongtrue line, then reverse telescope and find that prone here North, the line angles west, $2.30^{\prime}$ !
Going to the true con er to Rectioni25, 30,31 and 36 Hop 142 , ego 28 and 29 , fist ectak
fished s set transit over section corner, sight south on trove section fished sectransitaver section corner, sight south ow trike sictionline:...
Fansit telescope and nun North retiven fictions 2 and so, to peck Lake, and look for Theandu conner tetuen fractional sections 25 and 30 where chis notes

 Chainaqe of this line io 1150 links, being $7-9$ feet tut as the lake shore has fen washed acvay, the Theander conner ant fearing tree are alcyone: At 3.50.2\% North we pet a large cedar posh for Witrieso Conner to Meander conner, 409 ft : pouch os Theander former which is in the lake.
April 121916 Howethiris Noalte Haberman and team to take nim to Sugar Point, thence to Federal Dam with evirrey outfit; Thomas pungs driver, croce on ice in Reich take.
E.夕. Host, Deputy County Surveyor.
Cos County Thininerota.

Surveyed April 9 th to 12 th i 1916 .
Recorded 7 nay 9 th -1916 .
Recorded Thay29th - 1916.

## TWP. $137 \mathrm{~N}-$ FR. $30 \mathrm{~W}-5^{\text {Th }}$ PM. <br> SEC'S. 2-3-10-11.

Field note of the survey of 'I mice of To unship rand ecvoveyed for IVacden Township to begin at the corner to section $2,3,10$ and $11,7,187, \mathrm{~kg} 30$ and to surv II rile yon or las south to intersect with the East and rect "South river bead."
kino the eveablied of permanent cement monuments at the concern in section

 deputy County Surveyor.
They st 1916 foin CU. Curs and BiB. Horst Copy nesescary notices of previvice eurvaje and take 9:30 A.M. train to pine ewes, get Auto of timer Andrew and with Peyote ap driver go to the comer to sections 2,3, ,0 and 11 , Hop $131,0,30$ where $24, S$ Note call for a post and the following hearing trees. Iamarac $7566^{\circ} \mathrm{E}, 40$ lines discant Ko way Pine $18, N 33^{\circ} \mathrm{v}, 60$ links distant, Tow ry Pine $7,579^{\circ} \mathrm{W}, 70$ linker distant, Nouvly Pine $20, N 4 \prime^{\prime} E$, 5 s links distant. The find $a 4+4$, port previvively extiblided
 dot for old hearing men, which appease to be gone, thence prow the post we rum 1 $33^{\circ} \mathrm{W}, 60$ links distant in section 3 , and look for old hearing tree which seen to th gone, tut we find the stumps of the sE and sw old Hearing bree s which check out for course and distance With Curs's notes 8 previous surveys, so that Euro positively identifies the red stake as the exact true conner. From this red stake aw old Fence runs worth and another fence runs south. Curs goes tack to kine diver in butts and stout takes dinner and exayp over night with ole Hruegen who lives iv the old schorl rowe or NE IA of NF //4, sec 10 , Ono 137, Re, 28.
Thy 6th.1916 E.B. Horst, transitman, and assisting in chaining new Surly transit and 100 feet Chuago tape which belong to Curs. Ole Haugin, Axeman, And assisting thous in Chaining, go to the conner to sections 2,3,11, and II sup. 137, Reg. 30, establiided buy Curs as per notes of June 18 th 1908 and iclevtified by ans may o th 1916 as the true Corner, sum sooth:
Ai 10. Th. enter wet swamp: at 470 ff. leave same: enter sandy lard: at 1135 fth enter Cree bottom: At 1235 creeks fut wide runs easterly; at 1265 feet leave creek toctorn enter sandy lark: At 1363.75 feet intersect the North ll/ port between sec 10 and " pres. vriusty established by Aug and which ceto in the center of a graded rood lohich runs last and west and which is situated at the North end ga graded road which runs south.
An rider to check this $1 / 16$ post and to be eure of ito true location we continue our transit line south along the graded wagmiroad: at 2268.00 we set White pine hut and tack at 2727.50 we jingo the old'1t Cor nev previrculy established buy curs for the true $1 / 4 \cdot \operatorname{cornes}$ beteven sections 10 and 11 to further checte this survey be continue still south along graded road and at $5^{-14}-5$ fut we latereect old stake called for in auris'notes of feme 18 th - 1908, set by him for the true comer to sections 10, 11, 14 and $15, ~ L \mathrm{op} 137, \mathrm{Ng} 30$, where $U . \mathrm{s}$ notes cell jor a post and the following hearing trees. white pine it, N $69^{\circ} \mathrm{W}, 27$ linker distant, white pine $8,5530 \mathrm{~W}, 70$ links distant pine, whit 18,5600125 link e distant. Noway pine $17, N 570=47$ link distant. Curio Notes of hume 18 th, 1908 show this at that time he found the old government bearing trees at this point from which he set the tree cornier and eat our resurvey row checks perfect with his survey we are sure our survey is correct.
 and the following tearing tree: "lead Asp. is ir 26030 ' $=$, 20 linker distant. Wad line $12,580^{\circ} \mathrm{wH} 30$ linife' distant. Wo the appear - to the gone and Curios Notes show that they cowed not the paid at the time $\delta$ this scurvy of June 18 , 1905, we consider them lost and the poet at 2727 oo the correct "4 comer. In the afternoon Anton Btangew dinge a pack op cement which we mint with rand and at the comer to sections 2,3,10 and 11, AiOp.137, Ry 30, we pull up the wood post and put is it' place a round cement post seinches in diameter by 3 fut long, set it's full length in the ground for the true section comer. It the north 116 between sections $1 s$ and ll, we pewee up the wood stake of put in its place a round cement post $s$ inches in diameter ty a th long, set its fuel length in the ground for the true $1 / 10$ comer.
at the $1 / t$ coiner between sec. 15 and 11 , we puler ing the wood stake oof put is do' place a round cement poet 8 inches is diameter try z yt. Cony, set its fuel length in the ground for the tue $1 / 4$ comer, and at the comes to sections 10, 11 , 4 t and 15 , we pul up the wood stake and put in ir i peace a round cement post, 8 inches thees by 3 . feet long set its full lengtic in the ground for the true section carnies, which completed this sevovey. at 6 . clock P.M., Mr. Peter O.M. Anderson cone for deputy county surveyor worst, who he drives to Andevoric place on section 32, ale in org 187, kg 30 .

Surveysinade may ot h End 6 th 1916 .

> Deputy County Surveyor Case County, Minnesota.

Recorded Gene ard 1916.


## $P_{\text {PLAT }}$ OF <br> HAUGEN ROAD



TWP I38. RG 30.
SECTIONS 19.20.21.22.27.28. 29.30.
31.32.33.34.


Note
HIV
Noke:
Hll Courses ore turned
from true Meridian

## SURVEY RECORD № 265

## TWP138 RG30. <br> SECTIONS. 19.20.21.22 <br> 27.28.29.30.31.32.33.34.

 inon nonumente in . 2ec- 19, 20, 21,22, 27,25,27, 30, 31, $32,33,34$.

County Surnyor, Cuw County Thinnewte assisted Sy H. © Aormen, Byputy countly Aurueyor

 avrive at Thilohed at 10i-2 9.M. Amnes with Eacturle.
 one Thile swin Mildud, where Mr. Trout acconpaniew them, to the comer $\eta$ sections 21,20,27,28, Aupe1s8, R, 30 where 24. S. Woter chel yor poot and the


 Slut a ruudom line brith, setting stakee every soo fh and hita as jolerwe.-
 tack; At 2640 sel temporasy '/4 orner heteveen sectione 21725 where $24 . s$. Toteo



 tack and continue setting stakes every 300 年 At 5801.80 set hut and tack. Oths 61.90 eet hut and tuck, At s 222.90 sel hut mof tack. Tue look for the Comen

 Ps trace $p$ the oed Pearing twe or ptake and continue ponth.
at 624 Ti/d set hut and tack. At 7920 net tempramy't con. Retiveen sec ssist where zis.

 and tach and quit Io night - IF O. Horman.





 oin the sruth side of sec 34 and choir weat along tate roald the $1 / 4$ cor, stake
 ant line in the flagmen ar 2636.10 and set temperary see. ©rner on caun line between sec 33434. 9 met the. ©rrie who prid there is ani oak otike as permancent comer to sec z3+34. The teep us locate the sake and we find it two the N.
fr. From the $1 / 4$ stake on mouth side of $\sec 34$, and 2640 th. $E 8$ the $1 / 4$ stake on the worth side of sec.3.3. $\rightarrow$ continue the 1 worth and couth -Landon line and find it Hired the comer stake to eec $33734,87.48 \mathrm{fl}$. To coot and find Whole line from the conner to eec $21,22,21,28$ to te 10600 ft . Quit for right.
 un a random tinclwest setting stake r every 3.00 fth Hoffman and Trout Cutting, Eactoald and Borax Chaining. Woman Trancilman, at 4 to enturlake. At 1692 leave lake. At 2196.90 set hut and tack. At 2744 set hut ned tack, and look for hearing tree x to Meander comers $76.14 \times 15$ and find. nothing and continue west. CC 3490 enter Hoffman lake. Ap 4700 leave saint. at 5718 set hut and tact. At 6716.90 set Rub and tact.

Friday Feb 19,1915. Trout and Hoffman Cutting, Eactosed Chaining, Houma transit and chain. Start at hut 6716.90 continue vest. At 7844 set hut and tack. At 1920 look for Leaving trees to Conner op ecesis 28,29, 22 5 53-7138.00-30, Where U.S. Notes call for $a$ port and the gocloiving Leaving trees: Sam H,N4700, 9 links, $\operatorname{tam} 4,161^{\circ} \mathrm{W}, 34$ links, $\operatorname{tam} 5,55^{\circ 0} \mathrm{~W}$ H links! Jam $4,569^{\circ} 30^{\prime} E$, gb line. D find notrace of old $M, S$ Seavingtece and Continue locos

At 8479.70 set hut and tack. At 93.04 .50 set hub and tack. At 10560 9 look for fearing treen to '/t cor. between secs $29 \times 32$, Where $U$ S. Notes call for LUpe 12, $N 9^{\circ} E, 20$ links, WP. $24540^{\circ} \mathrm{W}, 35^{\text {link es all are gone and we continice crest. Dino }}$ comes from Hackensack to eu how we ace getting along and helps try to find above bearing trees. The leaves for Thildred form where he will take Tho is. Train for walker. We continue west. At 10865.10 Ret hut and tack. At 12450 set hut

 $58^{\circ} \mathrm{E} 68$ links. All are missing and we continue cost. At 13.924 .90 set hut and tack. I am using a qubley transit in good adjustment and a so ft.

Saturday 7 feb 20,19.13. Woman, Gout, sactroed and zoffmaw. Beginning at hut 13324.90 continue wet ce ting stakes every 300 ft. Hetweew Recis $3003 \%$ Ar 14658.80 set hut and tack. At 15840 o look for $1 / 4$ con. Hetween Rec's 30831 ,
 w. Bur ts, H10 w3alinke, All are gone and we continue vest At 16500 enter east Lank op pine River-16,550 leave same. At 16782,2 set hic and tack. At 18372 the true Corner to Rec 20 rat on wet foundry op Fop 138, es 30 . set knuth 19.0 .25 ft. This true conner is Marked by a Galvanized vow pipe previously estabhshed. thy County surveyor Curs and set with ito' tap 10 none above quiche in a mound of dirt.! Suit for night.
Sunday tet 21, 191s Homman strip del da Sunday Feb 29,1915 Som an stays ale day at Jrouto
Thonday Fit. 22, 191s. N. N. Youman, Lransitmaiv, A.Eastwold chainman, arciseteptry Gouman, A. Hoffman o AB. Frit Apemen. Start a random line west between $\sec 21928.7$. Ff, 12 20. At 394.10 ret hut ind tack. At 1052.80 pet tet and tach at 1836.90 set hit and tack. At 2100 oo set hut and tack. At 2640 look zoe $1 / 4$ comer between secs 21*28. No trees caw he found, and continue voeti, setting stakes every 3 oft af 2577 set hut and tack. At 4.0 H 1.50 set sect and tack. gIg missed. The Cow. to cess $20,21,28829$ a distance of 83 gt to the couth


## № 265 continued

 Whef 600 ph where 2 sef up the thansit and tack right on the pec conney yine.sight on the golvanige in iron bipe grentiovely stabliked My Crunty curveyor Curio
 markel "Irue Rime" A run a tue line wat to a galoaniged iross jeipe yorevirudy set tuy County. Surveyor Curo for the thee Coner to sec $9,20,2,9 \times 30$ oland, eet a S line of otake marked "Irue.Aine" Isejinning at the inon coner to pecio 19,0 ,


Tuesday Ect. 3,,1916. Eastored and Boman Cofrecting line establishing comer to peovis.

 at which voint g pet up trancit fackeight on hut at 52.2.290 and turn night angle to
 intersection with the peickef line 2 intercect pichet line at H1 10 fh s gFY uo momdom
 $27,28,23+34,7138, R 20,1$ and drive a 80 d in the ground for the true corner, and at

 vec 27t28ieach hut gome i0.03255 offa joot eact jo wash fort it is wouth to true line. Thet 2:792.40 gres E9.09ff to the line. trut 3801.80 gree E12.35 th tucue inne Ftut 436190 gole E14 20 fit to tome line. Thub r222.90. Goew E17.00 to
 Correcting the randori line Et w Letween peci 114.2821 .188 .30 Chaining from
 domi line the distance was ast eso ph we frmi-which print the iron recte N 33 fh to conect this inine cach huif gree in -006209 off a foat for each fort vect thut




 Following nu bearing tree:......NP 12 Seana.N $10^{\circ} \% 1 \%$ w. 9910 ft distent, JP. 10 beare









Priut for night

 line son s' variation; Ak qu. or ret tut and tack. At 942 se ret tub and tack e Ah 1933 sethut and tack: Ah 379.4. 7 set hut and tack

## TM.

Trout hid Toffiman come to cut tush continue worth .... At 4582 .50 set Auk back.
OL5.664.8.5 pet hut and tack: 7154.25 ret hut and tack. at 7920.2 live for perot set ty Curs for the corners fo eco $22 \times 35$ the do rot find it quit for night.

13|-2 1, and try to lac te take. Thu J. pice fid keen the retake the wo as not abe to locate it 2 fink rd hearing, tree gar which 9 have na field note, $R$ a) to the line fetwex eec $19+30 \ldots 1389.30$ and Continue our line win mim hut


to reno $19+30$ established by Cusp on the range line set 122.00 ft The length. the whole line just run is 5868.50 . th. U, S. Chain and equable $0060.50 \mathrm{ft}, 7 \mathrm{my}$ Chain,

 2. Lave chained wo... Af hut 2641 Wi 2 chain El 172 fo to 2638.28 wi thence N.







 point a road abs runs north. F find buy ff letting 14 ft to the eastipan

He random line first started is condinued start w would minis the $1 / 4$ comers between 914212,3550 . ft. to the wert the correction for this would he 01354 of a foot last jor each fort N Minus the off et Nt ht 934 goes 12.65 ft ito true

 Saturday Ft 2\%,1915- aneled to Pine River to see Curs about field votes we work on notes until 1 PM. And walk hack to Fnildred. ND Norman. Sunday He . 28,1915 , go to south to in. line between pee $32+34,188-30$, where we Find a comer jot set By p deputy Jouncy kieveryor, Thoiletes. Continue a random line s between keck 32733 band ah 78.80 s we find the connev:seto $f$ 64 ft . Correcting Rack Etethirhing the comer to sect 28, 29, 32,2,33,13.8-30, from hut on lash and west random line at 8100 w chain Ex long raidomin line 194:11. to 1905.89, Wivhich in 140 if h. 20 of the $N \neq 5$ random line.

From huch.26.35 on $N+S$ landon line 9 chain 18.3 g ht to 2626.6 .1 ft. Si blende wil14.0.fh. Where 2 set the true comer to sect $28,29,32 \times 33,2138$-R30, where o drive a spike in the ground vich the poelouing Hearing treen: Tan 4,
 sets 27.10 fris of the Et w random line.

Ho establish the $1 / 4$ conner between pee $32 \% 33,2$ set up transit on point ow the random line $52,53,34$ fris of the $1 / 4$ cor. Letween see $28 \times 29$ and 2626.67 fth $s$ of the true conner to pecs $28,29,32+33$, and mun E31. 30 ft, Where 2 drive a spike in the ground for the true $1 / 14$ cav. Net. eec. $32+33$ with the following fearing trees. Tam $75,73^{\circ} 55^{\prime} \mathrm{W}, 112,35$ ff 2arivam
 thru sides and Thanked" Irue $1 / 4$ eon. between pecs 32933 ""

In estableking the true 1/4 cor. between Rec $28 \times 33,138-30,0$ begin at a point ow the random line 54 ft . W. And chain Flong the transit line to a point $5269.48 \mathrm{ft} w$, thence 519.10 ft. where $O$ drive a pike for the true $1 / 4$ Cor. between secs $28 \times 33$ with the following hearing bee: Now way Pine, $5,13^{\circ} 45^{\prime} E, 57.20 \mathrm{ft}$ Poplar, $N 20^{\circ} 47^{\prime} \mathrm{W}, 4.20$ ft Var $9^{\text {d }}$. Aver the spike 9 set a pine poof marked" Ire $1 / 4$ co v. Letween Rec $28 \times 33138$ - 3, Trout and Honan work. Grit for night.
Thonday Thar.1,1915. A.D. Irout Chainman. N.D. Sommentransit and chain. Establishing the $/ 4$ cor beturex sect $33 \times 34,138-30$. At a print on random line 7950 ft: $s 2$ chain' $E 5.2 .32 \mathrm{ft}$ to the true $1 / 4$ con. Letween pecs $33 \times 34$, in correcting the falance of this line each hub goes. 013235 off a foot $E$ for each foot it is colctib, plus 17.25. Fhifle2.48.10 S on random line is 948 .18 ft. S of the Corner to section 27, 28,33×34 and gored E 29.80 fth to true line. tub 8473.50 is 3193.505 of the Comer to eco, 27,
 $27,28,33434$ and grew 179.66 ft to truce line. Quit at 4 PM. And take train to Hackincack. N.D. Homer, Deputy County Surveyor.

Friday May 7, 1915. Do the ground Nus thawed out 2 go to Bine riven Hope to set sion monuments and rand center stakes. Sake train from wacker to Whildred; R.R. fare 54 cento. Arivive in Thiedred and call John deg ty phone, who drives to Thildred with iron Thonumente. Bormhen and A.D. trout set in on monuments, being galvanized iron pipe, $21 / 4$ inches in diameter buy 4 ft long as follow: At the S.W. Eon. of 34 ; belly the SE Cow. of pec 33 ow the 5 bounddiry of Twp. 138-30, we puck up the spite and pent in ito peace a galvanized is on yipe, $2^{1 / 4}$ inches thick fy 4 ft long, set it' fuel length iv the ground for the true corner. At the Cor to Rec 27,28, 3 at 34,188-30, we quell up the spike and pert in it' place galvanized iron joipe, $21 / 4$ inches thick by y 4 ft. long set in the ground ito fuel length, for the true Coiner. at the $1 / 1$ Car. Return secs $27 \times 2$, we pull up the pike and: jut in ito place a $21 / 4$ inch thy 4 ft. galvanized iron pipe set its full length in the ground. Ni D. Sormaln, heyplety County, purveyor; Casa, county, Thin.

Hturday Tray 51915 N.D. Stamen and A.D. Trout continue petting iron Monuments, We ureA.D. Louts house and wagon. At the coin to Rect 21,21,2782. 138-30, we set $a{ }^{2} 1 / 4$ inch hey 4 ft. long galvanized iron pipe, it's full length in the ground for the the section conner. At the th con betivein keck. $21+22$ we set a 2114 inch 'by ft: long galvanized iron pipe ito full length
in the ground for the twe $11 /$ cou: At the $1 / 4$ cov. Hetiveen iene $21 \times 25$ we set. a $21 / 4$ inch fy 4 th gelvanigel in pripe its frele lingith in the ground for the truevil: Corner. At the $1 / t$ Cor. Wetween secs $19-50$ we set als $1 / 1$ inck
 ture It corner at the IIt chr Hetwen seep 33934 , we alt a $21 / 4$ inch byy. 4f: galranigel iron pijee iti fuel lingth in the goond for the the

Thay 14,1915\% N.D. Yorman and 4.0. Hrout, eet rord center as followo: At Lelf 3092.40 s on random line detcucin cese 27728 , chaw $E 10 \mathrm{ft}$ and. set stake For road centur. At $5: 222.905$ chain 517.01 and set otake yor soad center. At 5300 the inow eection comer seto $51 \pi 25$ fte at 5900 s' ehain $\varepsilon 23.54$. Set retaki on section line deturen 33434 . At 6000 s Chain E 26.51 set ptake on rection line. At 66005 chain E 34.4 , wh stake on section line. At 6900 ehain $E 38: 42$, set stake on pection line, for moad centere. Stay with shout.

Survayed Fet 15,1915-to Thay fohn w. Curs, County surveyon 14 He, 1915.
Kecorded funce 7 th, 1916.




## TWP. 137-N. ReG. $30 \mathrm{~W} .-5^{\text {TH }}$ PM. <br> SEC's. 3-4-16-17-20-21-28-29

Field note of the survey of township wade and the cetabliakment of new comer and iron monuments in sections 3,4, 16,17,20,21,28,29. Luge 137-7e.30 aw surveyed by and under the direction of form W: Gro, County surveyor, Case county Thimerorta, a aviated by y si Slorman, deputy County surveyor.

Fed. 17,1915. No. Som man, trancitman, ackieted. Ry Albert Easevoed, A. Togfiman and A.D. Trout. Hun south 1628.55 ft : set hut and tack, hear the comer to secs 344 on the $N$ boundary of tup.137-30, where $U$ US. notwecall for a pot and the following Hearing trees: White tine $16, N 13^{\circ}$ E, 213 links. Alp $6 \mathrm{~N} 14^{\prime}$ w, 59 links Asp.65, $5^{\circ}$ w, 27 link e, App. 55, $3^{\circ}$. 33 links, no trace could be frond no we go to the in on' It comes. on the N, side if see 3 and chain west along the state road to the $1 / 4$ Comer stake on the 1 side g sect 4 and find the distance to de 5272.20 ft. Set up transit on hill and line in flagman at 2636.10 and ret temporary conner on town line between secs 3.44 . o Whet Mrs. Conic who paid there is an OAk stake as permanent con to eco $3 \times 4$. The helps vo locate the stake and we Find it 2 et $h$ out of line with It con. on the Ni side gog sees 344 , and lett 2632 . 20 ft . frow the 14 cav in the $N$ side of sec 3 , and 2640 fth $E$ o the It con. ow the $N$ side of pee. 2 continue our random line couth and Find it minced the conner take hetman see 344 , a distance is 87.40 Yt to the week, and the distance to the con to sees 21,22,27428, 7 the Dupe. r is 10,600.
 1920 fth and look for the post set hug curs for the cav. to cess 4 45, they 137-30, Fut $d_{0}$ not find it.
 not able to locate the stake. I find red hearing trees for which 9 have no Toter, ND. Somme

Saturday Fth 27,1910: 2 walked to Pine River to pe curs about Fried Voter of this Cow. Feb. 28,1915. 9 gi south to the Fop. line where 0 find the port set by Deputy County purveyor, Thouleter, ant County surveyor, Curd, For the the car, to deco sty st ow the V. boundary if Aov.137-30. By contimuny ow i random lines we find that at 7880 fir s. of the $1 / 4$ cor. Between cess $28+29$ of the Twas. N. This cor. sets E 64 ft ND. Conman.

They 7,1915, N.D. Common ant A.O, Front ge to the NW Co v of sea 3 , being the $s$ ECon. $\gamma$ sec 4' wo the W. boundary of Fop 131-30, where we place a galvanjed ins pipe 2/4 inches thick by 4 ft hons; set it' full length in the ground for the thee comer. The above work lo as done while making survey for Pine teiver tug in two 138-30.

Thonday Tray 17,1915 - 2 am working for Cheder Sup. in the establishment of wagon roads eec Comers and leave tine teiver at 15:39 A.M. R.R. fare 17 cento, Abusive at Jenkins where o meet Of Alow. The sends' The to verge slain and 2 begin surveying road in sec. 20 of the Fop, E.

 thoniment on N. Loup. line between secs $3 \times 4,2$ oft set 2 ft. w ord account of a fence and nnw transit line S., var.9015'F. Ah 330.00 set hut and tack. At 907.75 set hut and tack. At 1158.75 set hut and tack. At 1554.30 set sect and tack. At 2103.60 set hut and tack. At 2635.75 sit hut and tack. At 2676.65 the $1 / 4$ con hetwien see $7+4$ sets E555 25 ft. Correcting tack each huck grew E. 019894 off a foot, pens 2 ft. E. for each pot it is south 8 the peach $f 7$
feainninn.

Hub 330.50 goes 56.55 plus 2 ft. equals 8.55 ft to true line. THe b 107.60 goes $E$ 14.02 plus 2 ft. equals 16.02 ff . To true line. The $115-8.75$. goes $E 23.05$ plus 2 equals 2505 flt to true line. Tut 15.54 .30 goes $E 30.92$ pelee 2 fth equals 32.92 totruic line, Hub 2103.60 goes 541.85 yous 2 ft equals 43.85 to true line. The 2635.10 lo
 1/4 cos. between cess of 4 .
N. D. Ho man.

They 19,1915. TH. Woman and Two. Ounnell of the waldew Hour Board take Auto And go the $1 / 4 \operatorname{cor}$. Netveen secs $3 \times 4,7 \omega p 137-39$, and set a galonanged iron Thonument 21/4 inches thick thy 4 ph long, set it' full length in the ground in a bed of cement and concrete. In tiM. Leave tine Tues for tet Anderwonsfanm to start survey of road heteveen Rec ,20,21,28929. F:134-12 30.
thursday May 20,1915. Start survey for road. I. D. Honmaw, transitmew and Chain. Pete Anducon Chainman. A. Anderson, Armani: B. Oleon-Areman. Es to the cor. to secs $20,2128+29$, where 4 , S. note call for a jot and the following theiring thees: App. $8 N, 35 w 57$ links distant, App. $9 N, 180$ E, 70 links distant Wry ki. 0 , $S^{\prime} 60^{\prime} E, 72$ links distant. Ter ark $8537^{\circ} \cdot W_{1} 138$ link, 9 find the stump e of the bur oak still standing. There is a tree of the old Llage. Rete Anderson of fohnoon will testify that thy suv scribe marker hefone blaze was destroyed, g sect this con. from the Bur oak stump and place a flag at this Comer; And another flay 2 place a mile $S$ at the iron Thonument at cove. ti pec 28,29,32733. Hep e137-28. When works Erancif on line between the two flags and set road center tut about every 600 ft. the entire distance $N \not A S$ fitwcex secs $28 \div 29$. At 2619.72 being half way hetrven the two section corners, 2 establiel the true $1 / 4$ con between secs 28 29-9.37-30.

Thay21,1910. N. N. Norman transit and Chain. T. O.M. Anderson. Chainman A. Anderson and 73. Flow atman. Keginning at the cor. op.peco 16,17,20921, 137-30, Corner is. Marked thy large gray stone which is recognized fry land voncre as heing the correct comer, from which g run a transit line s var soy' E. At 423.60 At 2280.90 set hut and tack. At hut and tact. At 1601.20 set hut and tack
 w. It ft. Correcting lack each hit ole. 002638 of a foot west for lack fool it io south. Itu at 423.60 goes w 1.12 ft . To true line. The at 735.75 goes w1.95 fth. to tune line. Tout at 1601.20 goes w 4.22 fth to true line. Tub 2280.90 goes wo .01 ft. to true line. The at 2653.17 goes w 1 fth where we establish the true It con between secs 28121 , Sup 137.8.30, and drive a $1 \times 12$ inch iron joipe the b at 31 3-8.30 goes w 8.3 .3 ft to true line. Whet at 39.19 .90 goes $w 10133$ ft. St true line. Stub at 4386.25 goes W 11.57 to true line. Ifut at 5396 . 35 gob 14 ft to the true con. to secs $20,21,28429$. 9 set $21 / 4$ Shf $48^{\prime}$ galvanized won monument at the comer to secs $20,21,28129$ and at the cor ti secs 16,17,20, 21, twp 13 7-10,30. N, So Roman, Deputy County, Surveyor. Cis County, thinherta
Survey Made 7et.17,19.15,
to may 21,1915.
Recorded- fume 9th, 1916.


## SURVEY RECORD No267.

## PLAT.

TWP 137 RG 29. SECTION. 20. 29.

SCALE 1. $1 \mathrm{NCH}=2000$ F.



TwP 137-RG.29-SEC'S 20c29
Jupe137-29
Sectione 20-29

 Gounty Thinnesote, fyy and undes the dicetionigigohn Gir Curo, County Dewrueyor,

 Qinive in Gexkine where $v$ met Alf Olson who eendo the to feo ge selio anf o be:giu turvejing soad in sec 20 Lup. 17.29 . N H Hominin trancitnuwt Chainman

 to the ciment monument teing the cor to sect $19,20.29480,131.29$ distance being 50.2 .70 ft Setting flage on foth endo goth line 2 vonk trancit on line and Lestablish the $1 / 4$ Coz: hetebeen secs 20.929 half way. Aetween the sec coiner, ibeing o6.51.35ft in either direction $\because$ drive $A$ o inch poplar etake and peace etone
 Hist and tack. At. 896.68 Ret fub and tack... At 1559.5 vephich and tack... At. g20. 00 pet hut anid taik. akq4


 A Gobela and sarkiho-Avinini Conriting hick on $N+s$ centen line gece 20, 13 7-29;

 I. 34 fh to thue line Ftik ak 523 oo goes w 4.8 .6 ft. to trie live finiehel al noon. cind leave for Pine tiver Petersbi livery.

 fuel lingth in the ground for the true $1 / 4$ eor. Hornan goes to finkinis and bakee 3 - 30 TM. Train to Pine teiver...N. Noman, Nepety County Sierveyos
Covs County, Dhinneste

Sirveijhade Thay 17,1915 to may:291910
Mecosded fime $q$ thi, 910

## TwR 140－RG 28－SEC＇S 18－19－20 \＆30． <br> TWP．140－RG．29－SEC＇S 13－24－25．

Howp： 140 ．价． 28.
Sectione $18,19,=20 \times 30$
Sempe 140－化． 29
Rectiono $131.2 .4+20$ ．
Field noter，$\%$ the curvey of a Dounship road for Wabedo touniohip thrue sectione $19 \times 90$ ，Jecp． 140, teg． 28 and the extablivkment 7 －lines and neer Cornero in Rections 18，19，209 30，Jupp，140，1eg．28，+ sectione 13，24， 425，If Dounwhip 140；化．29．The road to the eurveyed hegins at the Louth west Corner of sec 19， $1.140,1$ 付． 28 and uns $8.1 / 2$ mile to the $1 / t$ car thence．North $1 / 4$ mile to the $1 / 16$ comer，Fhence East $1 / 2$ Mile to the $1 / 16$ Connen； Thence North $1 / 4$ Thile to the $1 / 1$ comer hetween vections＇19．．and 20，Tup．1to， py．28．Leing $11 / t$ miles or more

Surveyed thy E．＇3．Harst，ieppecty County Surveyor and axciostant engineer，under the direction of fohw．W．Giro，County Surveyon notes previously，Erepained fuy Curs．Arrive in then 13 ．M．With field 2＇Clock A．M．A Cue Gine teiver hystagr Arrive in tine teiver about 20 cock A．M．Denve tine tewn tuystagn at $7 A, M$ ．Arrive at Syman $C$ Richardson＇s on the Thurphy Yaim on Sovet lat 7，Rec 19，7．Ato，ve，28， at 6．T．M．Ntost vith kichardeon and team drive to the H．W． Tharto farm in NEIH．is SEI／A Ree 17 ，same Siog．to look up a creco． Fupper and over nijht with picharduon：
fuly 1 t th， 1916 ．E．Bordt transitman with turly transit and chain－ then with 300 fort Chicano retel tape

Saaci horman chain Elf flogman！H．w．Moato and smil Thokaremen

 on．Morth side of Thule Sake Letrveen fractional Rectione 20 ind 30 ， Where U．S．notec eall for a stake and heaving trees as jolloun Horway Tine $20,1.60^{\circ}$ Wi 10 links divtant（ $=6.60$ fect）
houvar tine－，$N 80^{\circ} \mathrm{E} 16$ linko diatant $(=10.06$ feet $)$ ．
we find the stamp of eack－old bearing tree，the NE Rtemup being dimly Maiked and the Nw stump Aeing jolainly marked From which whe set a wood tut hy flat chien fron face of each old stermp＂，the thub face in the edgs of the water at which yoint we fiid an old ptake ously estdoliched for the true meander Corner．We extablieh a witness comer for this meander bry driving a wood post 9 feet Noith and we mark new hearingo to our isitnees corver as yollowo． Cak 4 inches，Rearo $N 10^{\circ} \mathrm{E}, 14.90$ Gect distant
Topular $\sigma$＂beare $199^{\circ}$ W24．50 ft．distant， 2 ãs． 9 ？
From the true Meander we run Horth on $8^{\prime 2} 1^{\prime \prime}$ Variation，poecouing a graded roal，which intersecto，the hange line about so ft． North of the meander．At． 1200 ft ．set hut and tack in road，at 2000.00 iect hut and tack in road eefter．From which point the road bearo $N$ G1 ${ }^{\circ} E$ ve Continue oun travitubive cotet

Hist about 1/2 While North and quit For Night. Forest stay with Richardson. Saturday Guly 10:1916. Same crew, continue North, At 2497 Ret tut. and tack, At 25-87.86. we look for the conner to sections 19,24,25030., on range line hetwan. Noun 140. leg. 28 and twp. 140 - eg. 29, where 26. S. Notes call for a jot and. the following tearing trees;
rack Thaple 10 N 510 E 16 links $(=10.56 \mathrm{fec})$
Rock Thaple $7 N 3^{\circ} \mathrm{WH} 6$ link e $(=30.36$ feet).
Rock Thaple 8 is $10^{\prime \prime} E 57$ links $(=37.62$ feet).
taxpuoved $1058^{\circ} \mathrm{W} 53$ links ( $=34.98$ feet).
all appear to te gone and we contime North; at $3306: 60$ set the and tack, at 3665.50 ret the and tack, at 3903.10 set hut and tack; at H145.00 set hut and tack; $A+4672.60$ set hulk and tack; at 5050.00 enter Slough., at 5150 . Leave slough. At 5227.86 we look for the $1 / 4$ corner between section $19+24$, where U.S. notes cell for a stake and the following bearing trees Aspen $6 \times 70^{\circ} \mathrm{E}, 13$ links $(=8.0-8 \mathrm{ft}$.
Aspen 8 vico, 7 links $(=4.62$ ft.).
All appear to he gone and we continue North; At 5150 leave slough; at 5563 set hut; at 5700 enter slough; at 5800 leave slough; At 6326 . Co set tut and tack; at 6888.50 set huck and tack. At 73 vo enter sink hole hog., at 7090 leave sink tole., At 7611.00 set hutch and tack in sea wall on south shove of Womandake, and quit for night. Toast still staying with of .C. Meharolede Sunday fury 16,1916 do not work, Horst at Teichardeoris.
Thouday full 17 th 1916, E.B. Host transit and chainman. Dace Norman flag and chain; Lames Douglas and $H$. We prats and Emil Tho uk, ayeThen. At a point on our random line 2503.40 North, Horst otoclo Douglas and moits culting a random line East, then with Monks Doumax go to that 7611.00 N and look for the Comer to Rect, 18, 19, 13Y24 ow range line between twp. $140, \mathrm{ky}$.28 and $140, \mathrm{Ng} \cdot 29$, where U. S. Notes. Call for a post and the follouring bearing trees.
torch Maple $5176^{\circ}$ ES 8 links $(=25.08$ feet).
tine $30 \mathrm{~N} 86^{\circ} \mathrm{W}$ vi links ( $=34.98$ feet).

Whit Birch $6525^{\circ}$ wi 9 links $6=12$. 54 feet.
we find the 30 inch oed Pine hearing tree standing dead fut polainly marked, and we ales find the s inch teak Maple standing dead but plainly Marked. We ales find the ald. N. S. poos Andy Footed: and a post about 10 years. old probably set by Curs in the same hole with the Correct for course and distance) there old joocto set in the Neck of the Northeast part of a scamp; in place of two oed porto we Ret a Kew post $4 \times 4$ inches thu c buy, about 6 feet long, driven about 4 feet into the swangeyland. Qt this conner the piano is went Not but has a sandy bottom about the feet down.
We Mask new hearings as zollouv:-
Noway tine pout about 15 ft. tall, 28 thur, thearo N. $60^{\circ} 30^{\prime} \mathrm{w}$
32.80 fact distant in section 13.
white pine stub 24 inches thru and about 12 ft. tall Denari

No 268 contio
$N 60^{\circ} E_{1} 53.5$ fect diatantin pection 18 ynaph ptub 10 inchexithru and abouk le fut tall, hearo $N 79030^{\prime} E, 3900$ ft in pection 18 wo fite pine intub 20 wiches thrin avid 30 ft tall hearo 5210315,5320 ft distance in uection 19. Courves andidutonce taken ts a tache in flat pout at have of fearingr. Yar a!

At Hiander coner no-15 on the East bunk I Wbinaw fake fetucen peco. $13 \% 24$, Tup 140 - Mange 29,21 s pote call for a poot aind the polloucring



 Maiko ohaw plainly. The 5 imch binch Rearing tree isgone, flaving

 take time to set it as it is $36 \%$ Cinko zurok oz their sacuphip line, we pakк it up.
 which powint the comncr to wectiono. $18,19,13424$, hearo $58303715,18,00$ fect distant and Forn opowict on vir randoun line $70 \ldots 80076$ the true conner Reto East 11730 feet we go pouth to a poink on ann raridom line 50 so no ft Ni.f. fon which
 $2 H$ an range line bet Jippon 40, 化 $42.8 .2 .9 .$. where we drive a otake. Urith
 sic. 24... Wh Pine stuh in pection 19 Accire s 6.0 E 3710 ft diotant, Then gacing South on our raindom line to a point 250.3. 40 tt. N and run E \$8.. 6 ft intire ue jind a pest perevionely establiehed fry County Lunveyor Cino, for the comer to vections, $19,24,25430$ on nanor line het. Ing. 140, Rqe 28429 with nuw hearing twees as soevocs. Wh. Minch 9 Kecark.
 No ather trees near.

In the correction of this line we have chainel 015438 of a poot Eaxt for eack youk $n$ outh og the point of heginving. And the. length of the entine
 Beginning at the sub cosnes of 19 Nuopit 40,1 g. 28 jush establiafed une run eqxt on 60 Variation, ouer hine heing cht buy moato and heouglar for the sandon hine fet pec 19430 . At. 694.80 set hua and tack.


 hub and tack Ak 18.89. we are near. Nuke. Nake.... Where vue turn an angle of $60^{\circ}$ to the left anh nuni North-eaxterly along the west ohore of Muile. Pake A Auit gor nighk. Foust etill staying with Sichardoon:


Tuesday fuly 18 th, 1916. E. 73. Fort- transitman, doing Lis our Chaining Harold Bumble flag and Chain man. Liaac Norman, farnese voruglas: \& arthur rtyde-Apemen. Fontinine our line along cuect pinkie of Mule Duke At 12.3.20 set hut 4 tack. At 430.10 set hub and tack. At 895.70 set hick 4 tack. At 1327.00 set hut and tack, from which we turn $43^{\circ}$ to the right and run Hovth-eastrly along Wi: hove of Thule Lake. At $296.40{ }^{\circ}$ bet Ret and tack. At 650 . enter Muledrke. At 850 leave lake. At 1196000 set hub and tack on hill. At 1850 enter field. At 1961.60 set hubs tack. At 2490.30 set hub and tack, At end of line.

We go to Theander Corner 70.46. Where Tl. S. notew call jor a jook the following bearing trees: Tamp 71790828 linter distant (epurlo $18.48 \mathrm{fth})$ henry tank $9 N 37^{\circ}$ w 17 links $(=11.22 \mathrm{ft}$ ) (we find the oed port and the turbo tamarack stumps which are badly burnt but iodide check for course and distant with the post" we ales find an Ged Sine tree Yslage North and Louth. for the line Let eco 19+20.
we kef a new alk port for Mi. . Yo. 46 . On the N. eide of Thule Sake hel, Rec. 19420 , Ewp.140, kg. 28 , with new bearings no joleous.
 distant. Tow tine stump 10 N 200 w 9.00 ft. Whew take transit 1 . to the top of hill, tack bight on M.C. just set and rue. North tet. sect. 19920 on $80^{\circ} 20^{\prime}$ vocation. Af 311.30 set hub and tack $x$ quit for night.

Emil Monk arkisted No in IM as flag Man Front stet staying with Richardson.

Wednesday full 19,1916. E.B. Horst tronsitmaw, Ales Chaining. It Humble flay and Chain. Type, Douglas o Homo Apemen, Frontingwe North At o 20.70 we intersect ouitraverve line nun yeoterdali! Coming up from the sw at station 2440.70 at which point the Sit. angle reads $7 i^{\circ} 45$ !

At. 641.00 N . We intersect the tine River-dongville dead. At 886.00 set hick and tack. At 1561.00 set Rub ind tack. At 1699.00 set hut and tack. At:1784 inter slough. At 1869 live came. A1 2004.0 set hub and tack. At 24.33.00 set hub and tack. At 2480.00 set hub and tack, from which point the $1 / 4$ comer bet, Rect 19420,71110 , hq. 28, heir cast st Af this point U. S. Notes call for a port and
 Nor. Pine 18 N 55E 41 lin ho, we Find the temp of the $28^{\prime}$ white Pine plainly Marked from which we set the It Corner: fut the 18 Nh. Tin appears to he give having Lew dug out try the fueling of a logging road, Haw ago she re Twat the old 28: White Pone stump "B.A." Quit for Night. Ararat still at pichardoon.

Thursday July 20.1916. Same Crew Beginning at tub 2480.00 th N. B:M.C. 10.46. Rack Right South along transit line and turn telescope $14^{\circ} 20^{\prime}$ to the right., for sw. Angle Cut random for $\varepsilon .4$ wi center line $p$
 hill... At $52 \% .70$ huh ow top of Mil. At 997.00 set hit and tack.

 Emil thank comes to Kelp us at 9i30A.1. Horst staying, still, with pichardeow. Friday July 21, 1916. Horst transit nun., Also Chaining. H. Gamble flagochain Noimuni, ty de o Douglas. Apemen.

At cation 268 t. 60 on random line $w$ op the $1 / 4$ Corner on 8 . side of 19,2 self transit over hie hack sight eastuly, turn telescope. $14^{\prime 2} 0^{\prime}$ to the left. for the NE. Angle and to establish the North and Solith center line of 19, o rum
 a jose and the following hearing thee, $20 . t 30520 \varepsilon \sigma 5$ linker, Witine $20 \mathrm{~N} / 5 \mathrm{w} 2 \mathrm{~F}$ links, we find a $30^{\prime}$ W. Bine stump lying on the ground and fiddly burnt, from Which we Ret the $1 / 4$ Cor. As near as we Can tell from the original position of the stump of toto of: same: Set stake $q$ Thank New Bearings as poceowo: gassed $16 \mathrm{~N} 71^{\circ} \mathrm{W} 53.80^{\circ}$ fth distant. W. Cate $6573^{\circ} 30^{\prime} \mathrm{W} 34.30$ fth distant. $g$ take transit to random line or set tut on random line at a 900 angle from the $1 / 4$ Cor., which Reto 100.50 ft. E. of the random line. we begin Chinning at this hub using it as station 0:00. Tr om which we chain s. Along cut out transit line. At 1 so. so set hill. at 128.70 set hub. At 1049.80 Ret hub at 1635.00 pet hut At 2156. oo set hut. At 236500 pet hub At 25-22.4 set hut., on E. \& Wi lt line, over. Which $g$ set transit and bach eight North on line just ruin, \& run line pouch to. It Car. on S. Nide of 19. Alt 3052.60 Ret tuft. At 3744.50 set tut At 4000.00 enter slough. At 4185 leave Dame At 4284.50 North end of fain on line: At 4310.50 spike on tojo of barn. At H316.80. South end fo rn. At. 4597.80 set hut At. 472700 center of tine River-Songivile Road. At $+9 \% 30$ set. fut Ats 108.00 An old stake on line, Evidently the point where the U.S. Comer had hew. Quit for night torah still with peichardoon.

Saturday July 22,1916- E. 1. Anat, waac. Norman 1 flames: Dorylar Cote
 and the following bearing trees:- We. tine 16 N 10 E 18 or 18. We. tine 20530 wal wy find the si w stump tad ely turn and the NE stamp completely rotted, but chechivitt note at 18 links distant. The oed stake we Found thing at the joint called for. I set a new stake and murk new hearing; at
 to the s. w. can is seci19, 7.140, Ry. 28, where we pet transit a grow our ram dom line riming cast we turn $13^{052}$ to the lett $t$ run lastuly along the true line bet sect. 19730. at 200.40 set hut at 675.00 set hut at 1020.00 enter swamp. At 1240.00 leave same. At 1542.60 set hut at 1873.00 internet Pine Revier-Lonquille Reval. At 1904.70 set hut At 2993.00 we cos our $60^{\circ}$ angle line. at 2370.70 intersect the $1 / 4$ cor the recoi9730 at 2667.00 set W.C. to M.C. No. 45, tet sect. 19930,4 on the wi tank of Thule cube with hearing tres as follows:- B. Dak 5 S. $24^{\circ}$ w 4170 ff B Oath on
 Host still at Richardson
Sunday July 23, 1916: Hoist all day at. a!. C. Bichardeon:
 oui North and couth random line 3815.00 ft South. The chain E 27.90 feet and pet the tile cor the center of the south lief spec 14 where we drive

No 268. CONT :D

 and cut line hastily along the south 16 th live thru center of SE Quarter. Si. Rec.
 section 19 and chain easterly along the line just cut, At 321.10 Rut and ta cb.
 1300.00 enter meadow r: At 1600.00 leave meadow At 1750.00 enter meadocu: At 1850.00 leave meadow at 197210 hub and tack: Ak 264710 set Rub and tach, for point of intersection on section line ketercew ecotion 19 and 20, $\% 140$ Reg. 28. at 1163.00 fth North of meander corner. Ho. 46.









Fiucduy fury 25 th, 1916 . EiBrtorat o pac woman petting raced center in correcting lines in section $19,1140,1$ g. 28 . In the equrection of the N os enter bine each hus goes. 01967 ga york $E$ lo r each fork it is north.

In the correcting of the Eq nt. randoin live thru the center of 19 , each Nub gov e 003226 of a fork $N$ minus 4 ft, for each fork it is resh The newton ur. Rut
 at a point 4 fl moth of the quarter post on the side of section 19. Io put in the center of section 19 rue Renin at the point of interciction, where our
 paint we pet post for the true center with hearing trees ar pollock: Pa 4 Leva SE 14.70 fl pops Kara NE 58.60 of
we thin go to silo line running sick prom the North and south gunctu line and ", entrap center. The correction for this" line equelo. 00264 of a fort worth for each

 for the road center along the true. In line. Raining slowly ale day... This Compets the field work of the purvey, un les the sown ard dices to have chon f monument set af come future date...
 Nile to Bontoria and Pine River, and M. NI. K. T. to Talker. arrived sion it M.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
Recon di- 0 , $y 22$ ut
$\qquad$



## TWR 135. RANGE 29. Sections .17.18.19.20.29.30.

Tune. 135-29.
Sectionc.-17,18,19, 20,29430.
Field rover و the survey and evtabieistment grew corners in a gout op see, Euro County Surveyors
Friday fume 8 th, 1906 . John we euro transitriar, with new kewfel and Ester Engineers transit, 100 th chicago steel tape $t$ peumbo bot euro Chatting


 we find a port recently ietathiked ty war trallett, for the conner to eco. 29+30, but as this post appears to be about a nad -to par north we hunt for the stamper the vel hl hearing thew. We find the stripe it the redis
 government stake flt. Helow the surface of the water in the move in a
 in section 30 , and loofe.por the jed s inch tank. Hearing tree, hut pint
 section 29, the find only the note os the oed since lank. Called yon in the Tote, The ale run w 510 w ar lea. $=(21.12$ ft) in section 19 , tut do root find the 4 inch Tank. called for in the notes. We set a new $7+7$ pout at the point Where we find the ied government stake for the true comer to seep. $19,20,299$ 30, which check out with what remain c $s$ the old government bearing thee. as the wake set thy riot Frtulett is atrut a rod to gan Roots, and as Fillet is rear of go git him and show him both stakes; he decider tug stake is correct and joule up his stake and placer it along wide of the then stake or have just ret for the the corner beginning at this point we run North on 902ariation tet sea $19 \times 20$, at 1,210. Th set hut and tack on hied. At 1820 set temporary $1 / 6$ conner. ait for night. June 9 th, 1906 . Same cole. Continue noiti. at 2517.60 wet huthotace at 2640 we loathe for the 't cones bet, peer, 19420 , where uss. notes call for a
 nothing eisept a stake while is probably wong as it was set by Helecte. Rontinge North. At 3410.60 fo set hut and tack. att 3920 foe set holland tack, at 5280 fth set hub and tack for temporary comer to section e 171819 $+20,7,135-\mathrm{k}, 29$, where uss. notes call for a poos and the following teaming trees in or thine $18, N 22^{\circ} \mathrm{E}, 25$ the , dish, wee $12 N, 31^{\circ}$ w 98 lea dish ale appear to th gore and we continue roith.
At 5326.30 ph. .et hut and tack at 6600 oft net hut and tact for temporary 116 corner. at 7920 ft, set hut and tack for temporary 1 to cor. Let. see. 17918 wolech U.S. notes ale jor a post and the frelouring tearing trees: Och $15 \mathrm{~N}, 66^{\circ} \mathrm{W}$,
 ak standing" perinh Sharked tut ivith some of the tuques quotlly.

Chopped out, apparently having bun cut. out to-day. The mark of the old government imber-sorive still plainly show ow the chips. from this oat we establish the true $1 / 4$ con. Let secs. 17418 Where we drive $44 \times 4$ pale Setting transit over hut 7920 , the It con. just established beano Roth $8010^{\prime}$ E, 52,10 Ph dish or $0 \% .50$ ft Worth and 7.40 ft. East, making the total one mile and a hag h just run 51.50 fth longe than the government chain calls for. Total length 7.971 .50 fth correcting back: Tout 6600 goes North 8010 ' 143.42 Th. Which fixer ito positions as to distance $N$. Fut 5280 pres iN. 8010 E, 34.73 ft . Which fixes its position as to distance North. This punts corrected hubs no. $6600 \$ 5-280$, on a the line fec. established corner $N+S$, and at the same time at the true porobionate distance as to $N+s$. ainit for nujlt.

Sure 10, 1906. Same crew. As we are to extableik the conner to seco.1718,
 where $K . S$. notes call for a poet and the following bearing trees. Belt tine os, 9050'll ns distance given. Blk. P. $8,33^{\circ}$ W, no distance given. Ace appear to the gone, and we cross var lake to M.C. N. 51 on East side of lake bet Yeractional kens. $17+20$, where U.S. note call for a post and the foleouring bering trees: Nor. Tine $15572^{\circ} \mathrm{E}$ 33 eke dist. $=\left(21.78\right.$ ft. ), Nou.tine $16 \mathrm{~N} 26^{\circ} \mathrm{W}$, 5 the dish $=(3.50$ ft $)$. we trio- angulate the distance west across the lake and as a check on our tri-angulation we run a line of $0^{\circ}$ angles around the north end of the lake., as polloum: From M.C. Ko.51, o run north en $8^{\circ}+5^{\prime \prime}$ var and set hut on north end of lake, then Turn $90^{\circ}$ to the left and run vent 1600.65 ft and set hut, then turn $90^{\circ}$ angle to the left and rue south, chaining along the west side of the lake, 2310 ft and set hut on W. arose of lake 1600.65 ft. W. of M.C. Ho. 51 , ven which 9 set the transit, back sight en M.C. No.51, and run west 1529.73 ft added to $1600.650=3130.38 \mathrm{ft}$. 20 . is M.C. No. 51 where 9 set temporary cor. to secs. 17,18,19+20 and drive hut tack. Continue west, 2640 , to 5770.38 feet west of M.C. no. 51 , and set hut and tack for temporary $1 / 4$ cor. Let sections $18419,2.135,0.29 .29$, where 4.5 . notes call For a post and the foccowing hearing tree: Oak $12,529^{\circ} \mathrm{W}, 40$ links $=26,40 \mathrm{ft}$ distant, And $9, N 9^{\circ} E, 32$ links ( $=21,72$ fth) distant. we find the stump o of the 12 inch oak, plainly marked the lying on its side, and as the root of the sump still ching to the ground we are able to locate the epact original location from which we establish the point for the true $1 / 1$ corner, we are unable to drive a stake at this point as the $1 / 4$ comes on tops of a big stone just below the surface, with transit set on the 5770.38 the stane $1 / 4$ eds. bet secs. 18.419 stands to the right $5^{\circ} 3^{\circ}+0^{\prime} 1101.70$ gt dist, or North $36^{\circ} 20$ :W, 101.70 ft, or 82.02 ft. N. and 60.26 ft. 20.5770 .38 U. S. Chain equals $5830.6+$ ft. 3 ny chain, or 60.26 ft . longer than government chain culls for. Carecting back at hut 3130.38 we run $1036020^{\prime}$ W, 6-6:17 ft. where we set a the and tack, which o fixes the position as to EAr w. for the comer to sec, 17,18,19920 and from this hut 2 run south a few feet to an intersection with an EM W. line which runs thru a hest we established yesterday, firing the position of this conner as to $N \nsim s$, at which point we placed the tire cestion corner to sections 17,18,19720, 7.13.5.7ey.29, established fy proportionate chainage, North, south, East and vest, where we set an ion monument ting an oed iron wagon-

- Akein about $3 \times 9^{\prime}$ inhsigs pel ito full longth in the groind with the omnel.... E end up and rnark new texringo as follous; pine ptumploincheo in draineter.
 fh dish An oed stake seh by thelett ptand abouh st feet weat and about B 13 fuek horth... JUNE 1 Ith 1806.

Fons the twe camer to pecs. $171819+20$ we pet a line op hubs otakev Each alopig, the true sed lime to the Wroh phore og the latee near Meander louner. Ho, 54. the line numsing eask ptrikes a building ounch by Thes Casain.
Survey bequn fune 8th, 1906: Completed fune 11 th, 1906.
Hecorded Gquevziv, 24th, 1916.
County Surveyor, Qass Co Mhinn.
$0442 \pi+6 \%$

## PLAT

TWP 140 RGG. 27.
Sections.7.8.17.18.19.20.
SCALE: ONE INCH - 2000. FEET.
SURVEY RECORD NO 270.


## TWP 140 RG 27. <br> Sections. 7.8.17.18.19.20.

J.140-27.

Sections $7,8,17,18,19 \not 20$
Field Voter of the survey of a part of Rectione $78,1718,19,20$, Loconchip 170 Range 27, and the finding of red $U$. S. Government Corners and extabliahmeat of new conner w whine the old ones were supposed to he loot, ax surveyed thy fohw wo curs, county surveyor of Case county Thinnest Thanh 19,1,06. I an working for "Cap" Witherell and amu assisted by him and mark snell in this purvey and use a kenffel or Ever Engineries transit, 100. Coat steel tape and youmt- tot. frond oed $u$, she to section $\geqslant 8,17,1,1$ where we eotablin the conner is supposed to be lost we rus a compare line vet and ch in roughly thru the bush a distance $\% 2640$. feet and look for the: 1 pos, whee U.S. notes call for a joust and tearing trees as follows. Asp. $8 N 72^{\circ} \mathrm{W}, 72$ link e distant. Birch $9,510^{\circ}$ fo' El 10 links distant. Ale we find is the remains of the madly rotted Nick which is a shout stump, plainly marked "B. I." and frow this stump we a set a stake for the true $1 / 4$ corner between sections 7 and $18,7,1 \%, 18,23$, from which we rum a transit line south ms $\%$ ' E Variation, whiting out ale trees and freed: At 333.20 feet pet hut and tach At 660 . feet set huh and tack: A1921.30 set hut and tack: At 1320 feet set hut and tack: At 10-23.40 feet set hut and tack: At 1980 . Geetset hut and tack: A12320. feet set the and tack:2777-20 feet set hut and ruck. At 3832 . set hut and tack: At 7160 set hut and tack: $A t+836$ feet pet hub and tack: At -280 feet set hut and tack, from which the $1 / 1$ corer Leteveen sectrons is and 19, hears $889^{\circ} 30^{\prime}$ E, 94.50 feet distant, at this point, being the $1 / 7$
 the following tearimpt Tres Acp.7, $60^{\circ} 50$ E, 18 link distant: App .6, N51015'W, 30 kink distrust. The find the remains of the old hearing thew prow which we set a new stake; correcting Lack, at hut 2676 , south, we run S890 $30^{\prime} E, 47.25^{-}$feet and set temporary $/ 14$ prot in the center op section 18 . Thatch 20th,1906. Same ereco working: We Regin at the Corner to sections $7,8,17,18$, from which we run a transit line south on $8012^{\prime} \mathrm{Var}, \mathrm{E}$, cutting out all trees and burst: At 660 . feet set hut and tack: At 695 . feet set hut and tack: At 1224,20 fut set hut and tack; at 1320. Leet sot hut and tack for temporay $1 / 16$ comer: At 1591.20 feet ret hut and tack. At 1980, feet set hut and tack: At 2158.70 feet net hut and tack: At 2640 set hut and tack for temporary $1 / 4$ comer between sections. 17 and 18 , when u. S. Notes call for a post and the following bearing trees: Jack tine $8,584^{\circ}$ $30^{\prime} \mathrm{W}, 35$ links distant : houvay pine $10, N 210 \mathrm{E}$ links distant. All appear to he gere and we continue south: At 3740 set thutrtack: At 3960 feet ret the and tack: 9 t 4660.70 feet set huh and tack: af 5 280 . to sections $17,18,19,20$, thais $581037 E, 82.81$ feet distant: At this point Wis. not. PI DR Ir $a$ boat and the tolerving Reusing thees:
spruce $5, N 5^{5^{\circ}}$ ．20＇E 4 linter distant．Tank： $5,518^{\circ} 15^{\prime} \mathrm{W} 2$ Sicko distant． tanck．6，5 140 50＇E II links dietait．Tauik 6，551015＇20 6 hicks distant． Wee find all of the trees from which we set a new stake for the true corner to sections 17，18，19，20，1140． eg .27 ．Correcting back， we set hub $2640,51^{\circ} 37^{\prime} E 41,+0$ feet where we sch a stake for the trive＇／t corner between sections 17 and $18,7.140$, Veg． 27.
At hut 1980，we Chain $581^{\circ} 37^{\prime}$ E31．05 feet and set a stake to Nark the trice $N+S$ hive．At tub 1320．we Chain $581^{\prime} 37^{\prime} E 20.70$ feet where we set a stake for the true North $1 / 16$ comer between sections 17 and 18 ． at hut 660．We chain S81年＇E10．35 feet and set stake to Thank the true Mouth and truth line．

Thackivid．1906．Same Crew．The ginning at the $1 / 4$ coroner between sections 17 and 18，5．140， Kg ，27，we numb lect on 80 Variation：At 1320. feet set hes：At 2008，feet set tut．
Note：
9 find the above field notes in an old field book which has been Cost for year，and 9 record them here for the quideauce of furture surveys tu the above section，and to show．the true length of the various lines and to also show that the comers vire really stat－ hiked by the Government surveyor．An case the vel stakes and bearing trees are gone，a surveyor caw relocate the sane very closely by finding the：stumps of the trees we cut down along 7 ny transit fines，and folew my old line to the intersection of corner and stakes．

Surveyed Tharch 19 th to 21 at 1906.

Mig z 280

## PLAT and NOTES. <br> TWP 138. FRG 29. Sections 3.4. <br> 139.29. Surveyed April 27 thi1906. recorded

Field Notes $p$ the survey pa peach op sections. 3Y4, Joumsdip 138 , deninge 29 alma the county Sine Letwein Cases and Crow Using Counties thininerota, as surveyed buy Gobi wo Curd, County Surveyor of Cos. Cocenty Minnesota, Assisted by Phr Ebltgine who owned laid in the above sections and wanted the line eitathided. April 27 th, 1906 . We. go to the Theandir Loner ha, 5: on North side of Horse- Shoe Wake between sections 3.4 , where $\psi . s$. notes call for a post and: Black tine $8, N-50^{\circ} 00=2$ link... Blackteine $5 N 85^{\circ} \mathrm{E}$ 42 link 20 j find doth hearing trees 42. link which fere Ret the true M,C. and Grum North on $5^{\circ}$ Variation. At 119.46 . set hut and tack for temporary $1 / 16$ cor: at 919.46 enter stream which runs What: At 10.19.46 leave it ream: at 1439.46 set huff and tack for temporary. $1 / \&$ Comer between sections and + ; where $\operatorname{U}$ S. notion call for a post and Hearing trees as folcocwo: Whiting 94, s $15^{\circ}$ E, 192 link all appear to the gone andine continue tooth: At 227716 pet hut and tack: At 2.759.46 Ret hut 4 set fuck and tack: At 4003 , 56 At 3059,46 tack for temporam section comer section 3.4 4, on Township bine, and from this point the tue conner stands $\$ 67^{\circ}$ $26 E_{1} 33.30$ feet distant blue correct the line back, setting stakes at ole forty Comers and petting hies and stake on the true line. This survey is Made with a nevirascit and 10 fiat ster tape and is correct Mote: g find the above field rote o in an od field have which hap hies Mislaid. for yare and o record the notes here or the benefit o other surveyors and a Guidance to future purverf.

- Notes call for a post and: Black tine

Gountysurveyor, faces Col. Fin,

IWP138.RG29. Sees 3.4. TWP139. RQ 29. Secs 33.34.



## TWP 135. RG 29. <br> SEC'S 8.9.16.17. 20.21.

Fild notes of the sumvey of a puit of sections 8,9,16,17,20 and 21, Trunchaip 35, range 29, Lexs county thinn. for the ypurpoae 8 extablinhing a tounshif frad aub the eitablishment of iron section cornere in the above sestion, po eurvajed hy Frank A. Donner; Deputy Coivity survinor of Cass Co. Thinn, and


 a team in to take me out to Mro. Carcons where 9 an to ourd while working for tome Rarok. Aimer at Sugen totel, Hutcle (Drun theasues) takes me and my outfit out to Thro. Carsons. Hotil Diel at Teguot \$1.35.
supper with Thro. Curwos. Sijned - 7. A. Drner. 156=29-April 28th; 1915. Working for trome tirirode. A.M.
Tr. Andercor and he sup he wirle te oves and he woued walte over and vew the road tojether. Whilh we did! Hertirt Ondewon takes up acros thosough faws with Cawch: We neet Mi. Enutoon (ewveyor go frow wing Crunty) and the
 that roote alths' it does not follow the old grade. Binner vitt Mms. Cavaion
 which 9 set $a 3 \times 3 \times 24^{\prime \prime}$ Aqpin Lut with tack, full length in the ground: pon the true $1 / 4$ coiner from true $1 / 4$ Comen just set huy $m e, 2$ rutho $589^{\circ} 45 \mathrm{E}$, fright with Cursors, Signel 7.A. Donnew. pet huti At $28+42.1$ pet hief: Dinner wrth Carsonis. 1. M. Urecontinue East: At $34+11.7$ set hut: $a t 34+58.7$ set hut: $a t 30+93.3$ set hubf: night with carcon: Sijnel 7. A. Nonnes.
Sapril
Spril 30 th,19151 Continue for Home Brook: A.M. At $95+15$ enter lake: at $47+20$ Hue lake: At $48+81.70$ net hut: Atsotio inter meadow: at $52+30$ leave mendow: whereius, notes call for vig: Nowvay pinc $24,566^{\circ}$ E/2, Bh. Aak $85540 \mathrm{~W} / \mathrm{N}$, twe are unable to find any of these oed B.'. S. So we now up the lake and look for

 inch oak poit 24 inches in the ground for the true section Couner, with


at $+24,9$ set hut h. At $8+18.6$ set hist: Aver night with Cartons, Sugind. 7. A. A0innes: They. Int. 1915, Continue For toni Brook: AM -we continue South: Oat $12+28$. Ret tub: Ot 13+36 set tut: At $14+80$ enter lake: At $17 .+6.5$ leave lake: At $18+18,2$ set the: Sinner with tho: Quean: ...PM... use continue boith: at 19 enter swamp: At $20+70$ leave swamp: At $22+25.8$ set hut: At $25+3.6$ set rub: At 29+40,3, set hut: Coven night with Civorns. Signet 7. A. Bonner. Tray and 1915. Continue for frame Brood: A.M. we continue South: At 34.24 set hut: At $38+1.9$ set huh; Dinner with This. Cavern.
IPM. We continue south: At 40.721 .4 set hubli at $+2+74.2$ sethiif: at 75 enter thana: At $\sigma 1+5$ leave Naval: at $52+64 \cdots 1$ set hut: Over night uriel Cursors.

 Burch $7535^{\circ} W^{\prime} 4=2.64$ feet... Aspen $81558!\omega-59=38.95$ Feet. Aspen $105.54^{\circ} 20.66=43.56$ feet. The are unable th find anything here and we quit for it starts to nam. Dinner with mo. Carson.... PM... Ad Knutaon proshieed me that he would set this corner and he said he had found it, we row over to Song brit Thus. Song tels me knoteon went to drained oud would not be back until wednesday, Super and over night wed t Pro. Cavour. Bigness 7. A. Donner. Hay 4 th, 1915. Continue for tome Crook: A:M: 9 go vier and check ow a few r of the old stumps. that might have been the old biJ.S. Hut do not find any that Check
 across lake and got transit and at meander Corner. no. st from the oed N.W. 11C51. B1. . stump Which w, still there and plainly marked: Over night with Chromo
 get come notes from. Kinution: 7. A. Donner.
May 6 th, 1915 . Continue for Hame Brook, hobrdy work. 7. A. donner. Thuya 7 th, 1915. Continueifor tome Brook. A.M. 9 call up knution at Brained and Le gives the the diatruce the true section Corner is sections, $14-17-20.11$ 1.6,17,20421,135-29, goes south from Enact and west random line which he run
 pet the true section coiner $p$ sections $16,17,20$ and 2,,13.5-29, on the trice hive Froth and ruth 5 feet from radon line running East and vest. On the last side p sec. 17 , 135-29, at 5272.20 , the section coiner ( sect buy 2 ne) set west 112 fut. Correcting trek on East side p: Rec. 17 : Jut at 26306.1 got west 56. Leet waive set a $4+4+36$ inch aspen pol for the true $1 / 4$ comer bet ween sections 16 and 17, 135.29. Ans. Exch And West $1 / 4$ line thru section 17 , $135^{\circ}-29$, at - 282.8 East the $1 /$ Comer on Exact nide g section 17 , recto south 150.0 .30 fth
inner with Chins. Winner with caicors..... P.M... Correcting back on East and west $/ 1 /$ line then Rev :17, hut at 2842.4 gives saith 80.86 fact. John Gumbunnen joins us.

 Ques night with Carsose. 7.A. Honer.




NQ 272. continued


 thence $12045^{\prime \prime} 282,30$ feet: thenee $23^{\circ} 10^{\prime} 183,5.8$ fect. theuce $50^{\prime} 41217$ to fect: thence
 200.60 feet Quif for nighk. At Caropivs... 7.A. Honner.

 lake 270. feet acroso water: thence $2601 \neq 10103.80$ feet: theuce $100^{\circ} 150$. 70 fofect: thence $38^{\circ} 21^{\prime}$ 冘. 1427.90 feet: thence $2205-714221,88$ feet: thence 101014159.70 feet,

 6301515 fect on old grade: theuce 180381170.30 fecti theuce 7001210.240 .00 fact.
 on old grade: thence 130501442710 yect on old girade: I iotcicef true peetion line betwien kections 15 and $16,135-20$, at 43 , feet tozth g cection Conner of Rectiono $15,16,21,22,135=29$... Winner urth Careon. PM-- fack Cancon t 2 eourectilt hine Eash and woech thon kection $17 . .$. The



 teed me lo wait aind pet irons. Frank A. Wonnen. . Fren
 bion pipes with cap: Qne porl/t conner hetuleen sections 16 and 17 in one gor
 Coner hetucen kections 17 and 18 . And one for the kection cornen of pections $16,17,20 \not 21,1,13,5, \operatorname{Rg} 29$ Fraink... A. thonner

May 12,15 , Continue for Home ksook. A. M. ue Lave a mecting at fud prescleis phace and g have in alemy bills, for scuvey, which are allorved. 2 get miy
 50 eint : it M. gtabe the 3.2 ftrain for wapker ip fare so eento. Cere geto
 at Chase tiotil.... Sigres Frauk A. ionne. Surveyed Oferil 27 th, 1915 to Thay 12 th, 1915 Recordeid

County Surveyor fasa Co Minx:
yowi.31-14b

# SURVEY RECORD NO 273. <br> TwP．136．Rp 30．See．5．6．7．8． <br> T． $137 . R$ 30．Sec．20．21．22．23．24．25．26．27．28．29．30．31．32．33． T．136．R 31．Sec．1．2． 12. T．137．R 31．Sec 25．35． 36. 

Field note p the survey and establishment prev eruncio in sect．． $5,6,798$ ， township 136，次，30，and sect： $20,21,22,23,24,25,26,21,28,29,30$, bi，
 Sup，137，By 31；as purveyed buy ton ir euro，Courtly Surveyor，faces County，Thimeart． Hesdaf hov ：10，1908．Sam Toking for Holden kop．Reave tine River at so＇dockT．M．，and arrive with TO．M．Anderson，and my wife to Andervoxis glace in pec 32 ，Top 137, reg 30 ，where ore up my nu e the in ondersois yard adjust transit，Supprianourijh with andes ene day yo r Walden Hops．Yo he WV．Curd
 in TM．Trove in．Supper and over sight in tent．Towork to day，only test survey ins to moo the video．

 John A．John on，foe qunci，Alfred Anderson and Po．M．Anderson assisting．vie



 the ved－hearing tres Lutonly the NE one was marked．The winch pict in gone．． We set the true comer hey measurement from the face of the oed bearing we mun zest，Variation siso＇E．Woe Francis，and too，Mi Anderoms chaining
down an ed cut rut line run hr valet．At 2640 ft rough chain down an eld cut rut line run ty T＇allott．At 2 a to ft rough again
 $924, f t$ dist； 2 find firth thees standing green and plainly harked from Which 9 set the true $1 / 4$ Conner by flap Chain pron the face of the $\$$ ．Monk，with transit set on true $1 / 4$ corner the old bearing trees stand as follows：geek dak，


With a back shot at the NE Corner opec， 32 ，and another at the true＂＇1 corner just set 9 work transit on line between the two points and eek a row op stakes the Whop half while along the section line between the ivF quarter of section 32 of S Frater section 29 ，to mark the rad center，nfollott is post set about． Cone port last of mine．．．．．．．．．PM．beginning at the $1 / 4$ perch between eco． 29882 ，
 states jus set in North line of NE Quarter \＆sec 3 ．For back photo，（2，could－ wot pe the VE conner 8 Rec 32 ，on account of hill）．At 1320 ft set hut for temp lin conner．At 1909 ft set the near stump．At 2640 ft pet hut and tack for temporary conner to sections $29,30,31932$ ，Olopp．137－xg．30．The true conner
 whole mile if section line To．M．Anderson and o Chained this hat
 dowble cinter tub. At this coinci, thing canner to eect 29, $10,31+52$, tup. $137, \mathrm{Teg}, 3021 . v^{2}$ notes cull for a yoct and the foleoiving tearing thees: wh. Tind
 Wh. Pine $16.529^{\circ} \mathrm{E}, 75$ hinks $=29.70$ dietant; Aop. $12,5610 \mathrm{~W}, 60$ links $=42.90$ ft. diat The 12 inch aupen is gone, but we gind the stumpes of the three wh. Teine deu-. ing trees, the N.E. stump is not marked, tho francis ouyp he has ewew the peiin figure on the stump tefore it was hurned; the distaicee hetiven the NW and SE Hearing trees via cources is 0.45 pa joot to long, es 2 propertion the stand as pollous: Var. $8^{\circ} 46^{\prime} E$. Whitine 7,150 NT, 46.45 ft . Wh. Tine $16,5290 \mathrm{E}$, 29.9 oft : to pace of B. T. mark, qne ded ptemp caimed hy foe francio, to the the old hearingtrees staudo $N 80^{\circ} 30^{\prime} E, 37.00 \mathrm{ft}$. All mearuremento taken to gace of 10. T. Mouks.
 stump is otile there. We do not use the NE stump. Gorrecting the Nocth bounday

 oquare Aak stake for fohn A. Cohncon's true NW Cornes being the went illo cas. Detween cect 29932 , with new bexing thees as poecows: thop. $8, N\left(a t o u t\right.$ ) $10^{\circ} \mathrm{E}$, 41,50 fth to tack head, Tojo. 6,5 (about) 100 E, 55.70 ft. to thek head in flat opot at base $g$ tree; T.o.M. Anduron ands chined this hine perfect. Auit for night. Cher night at thome in tent.
 Quee dey for Naelew Shap. Yo hw. Wr. Ears.

 graincir SE Comes) at 10 -40 fhenter poen mexdow at 1900 ft set the and leave thendrus



 poot is concotey placed grow the $N E$ WheTine deaning thec whilt io stice there thut doint the 8 inch app. in gone. oretrhiled new heaning thew to ntlelto yoot as jrecours: yopp 10




 day for walden two. Over nujht in tut.




 32,= 80 acreo, tuct does not live tere. Dand in loded oftur hy gran brincow. Nw guee


9 am to put divide this section 32, 5,137,30, for the owners and begin at the true wo comes we un $S$ vars'so; Carguley taken. To, 11 and a chain, plumb bothine, land level. Af 1320 ft set hut: At 1337 ft eros zurire fence: Which hens EAW, fence seems to run Ex W several hundred get as 2 Cannot wee the ind. At 2040 ft. set hut: At 26.40 ft . set hut for temporary $1 / 4$ eon. bet, sees. $31732,7,137-30$, where $24 . S$. holes call jor: Spruce $6,562^{\circ} \mathrm{E}, 38 \mathrm{eko}$, Nh, Fivich 8, S560 W, 28 links, both gone, we continue south: At 3011 ft. set tub: Aet 3325 enter swamp. At 3520 leave swamp. At 3960 set Lect: At +463 set hue on hill; At 4726.80 set hist: Variation Changes to 805 : At 5280 ft set hub, for

 23 lks ., Wh. Riv. $6 \mathrm{~N}, 81^{\circ} \mathrm{W}, 16 \mathrm{kk}$, (only two). Doth are gone. Ti $0, \mathrm{M}$. and 2 take dinner With John fohnson. In PM. we go to the SE Cones paction $32,137-30$, being the comer to sect, $32,33,14455$. tet. two $136+137, \mathrm{reg} .30$, where $K$. S. Note call for a post: Tank $, N 45^{\circ} 15^{\circ} E, 5 l k:$ Tank $6, N 13^{\circ} A 5^{\prime} w, b l$ le, , both bearing trees are que, and were never seen by any of the old netters, but fame M. Canfield, forncer County Revveyor of fast county minnesota, fount the red Government stake years ago and replaced it with a nev stake and the new stake, pet liny Canfield tho Carefully guarded by hel divang, ti, M. Anderson, facob fohiweow who are present, and others. Tue dig Enfield' old stake out of the Corduroy after an hover hard
 ft: Fence pert $534^{\circ} 54^{\prime} \mathrm{W}, 38.80 \mathrm{ft}$. To tach heads driven in port.

Tels Sevang and his sorn bon show us a stake set thy Canfield for the NE: conner sect, being the ww coiner of sec 5, $0,136-30$, also both Now way trine s.T. stumps, but as 9 have not got the field notes $\theta$ could not check up out the stake the' I am quite sure this stake is to far North and East. I url look this up later. Chaining frow the SE Corner of 3マ-13フ-30, west to the stakes set by Canfield for the NE Corner of 6,136-30, 9 find the distance 1490.50 ft. or 31.46 ft . shorter than Government chain. The Government chain calls for 2606 links, being 1529.96 ft. T.OM. Anderson and 9 chain correct. Careful trancitiline$\theta$ go in one day jor vuruers of sec .32,137-30, T. Sevang, J.A. $+J$. Johnson cut buccal. Quit for night. Ger night in tent. John. W. Cero.
Sunday hov. 151988 . Raid up.

Sunday hov.15,1908. Maid up.
Thonky now .16,1908- A am bonking for the venero of see .32,131-30, sut-dividing the paine, Going to the $1 / 4$ post on North side of pec. 32.0 put peart of the cereus putting a line South thru the Center of see, then go to the NE Coiner and put up a flog, and by working the transit on line in the wagon road between the NE coiner and SE corner, $\theta$ find the true line and drive a line of short stakes the entire mile. Var. reads 80E. Pete O.M. Anderson and 2 then Chain the whole mile very Carefully with facof Johnson helping. beginning at the NE Conner we Chains sect. 32 and $33,137-20 \ldots$ at 1320 ft set wood juice. At 2640 ft. Ret temporary $1 / 4$ cans. where U. S. Notes call for jot and: Kepi $9,560^{\circ} \mathrm{E}, 15 \mathrm{lk} .$, op. 10, $173^{\circ} \mathrm{W} 11 \mathrm{ek}$, AeC are gone and we continue truth. At 966 set Join: At $5=43$ get. interest sE Corner of 32 showing that 5280 ft Governinent chain $=5243$ ft. my chain and it 37 ft. short. Correcting back we set hist $2640,1 / 8.50$ ft. and drive an iron pin $/ 8$ inch by /ft. $\log \lg$ for the trice $1 / 4$ between $32 \times 33$. the Crew $g$ pout cutting busk thru the center 831 , run into held
PLAT

$$
\begin{aligned}
& \text { T136 R } 30 . \text { Sec. S. 6. .8. } \\
& \text { T/37R30 Sec. 20.21.2.23.24.25.26.27.28.29. 30.31.32.33. } \\
& \text { T/36R31.Sec. } 1.2 .12 . \\
& \text { T/37. R 31. Sec. } 25.35 .36 .
\end{aligned}
$$

$$
\text { Scale: 1. } 1 \text { NCs }=3000 \text { Feet }
$$




Levangi houke and quit. I start, the pane crew citing tush zuext thru the center of 02 on 8030'var. 9 and pact op the erecv begin at the SE Corners of 32 and run rect thun Canfields Cooing Conner Near ow Corner Is sec. $5,136-30$ i At 1320 set stake: At 1490.50 Canfield's stoke: At a2640 Hut for temporary $1 / 4$ on $S$ s. side of $32,137-30$ where $u$. S. notes call for port and.
 At 3647.70 set the in suvamp. At 3.960 fh set stake in swamp and genit for night. 9. got in another day jor ouncerog $32,137-30,1$, 0,1 . Anderson, fohn toducor, for w hevang, jacob fohnoov, then hereon, and s work ae day. Dater:- we throw rep this kine and rue rum a new one jor the south. over night in tent. John N. CurD.
 at 1490 .5' Canfield; C.C.; at 2640 hub; At 3400 enter green tuck, ind ash swamp at 3647.70 hut, at 3960 hut: beginning at 3960 rue continue west, tretrancit line, D.0.M. and 2 chain Correct. At 3980 Crops tiv jot creek runs South. 4600 leave swamp: 5280 set hut "B "for temporary SW corner $\mathrm{p}^{3} 3,131-30$. At this point hut " $A$ " keto $34.70 \mathrm{ft} . \mathrm{s}$ and 3 ft. East. Thew hut $A$ " is the temporary comer set bon our random line 5280 pts of the NWCarner of eec. 2. We throw ipo this hind and come Lack to iron pin set for true $1 / 4$ cancer on E eide of sec. 32 groin which we run walosig the Pickett line just cut., Transit Cine to OM and I perfect chain. At 1320 set hub. At 2640 set temporary center hut "A": At 3960 set hub: At 5280 set hut marked" 13 " for temporary $1 / 4$ youth wo eide pee. so. Then beginning at the true $1 / 4$ port on the $N$ side op sec. 32 we chain roceghly so long yeufect run transit line, At 287. Nut on hill. At 1320 set hub At 1950 hub: At "640 set hut "B" for temporary center eec 32. At 3287 set hut on rice: At 3960 hub: Git for night, facob gohncor, fohw Gohneon, John bevang, pi oM. Anderson, Millie triekolsan worked for and in place of John alfred fohnivon. Ale worked Ale day except that Ale Btangyarde worked in tiM in palace of and for Gogh bono.
 Rec. $32,7.137$, pg. 30 , Rough Chain, perfect transit line. 7726 set hest: Sf set
 29.36 ft to line: thence 5154 ft and set hut $5: 280$. Coming back to the $1 / 6$ on N side of NW quarter op Rec 32 , wive run south on 8010 var. at 563 ft. set hub: At 1320 ft set hut: At 2640 fth ret:kut: Quit for dinner and will begin :

 bush. "Beginning at the true $1 / 4$ conner between secs. $30.151,7.137-30$, Previously

 $37^{\circ}$ E, 14 les, All are gone and we quit for night. Thy wife runs transit cell day.

Thursday Trv.19,1908. 2 an working for Walden Lw, Tozeiginning at $1 / 4$ gerah or TV. side 830,137 -30, the government Notes call for poos andibhor. ti che 24,N $35^{\circ}$ E, 83 eke $=5.78 \mathrm{ft}$, You Sine $16,120 \mathrm{~W}, 208 \mathrm{eps}=137.28 \mathrm{ft}$ we find the ww bearing thee stump plainly marked $73, T$. And an ujo-roted Konvay tine nearly buried in dint, hies NE in just the right peace for the other bees. I set the stake at
$8^{\circ} 46^{\prime}$ Var．And measured pron the face．of 13．T．．Our Measurement and Cover bingo．uspactly in the center of the old government stake joint which we chopped out of the frozen bog：Zee set a new $1+4+88$ inch oak stake drove well down into the bog for the tue $1 / 4$ corner From．Which we．rim South on $8 \circ+6$ Var ow range line across the 7 meadow．At 1320 sehthebon side of meadow．At ft．hub on side hill．At 2108.80 set hubi At 2690 sethect sharked＂s＂for temporary or w comer sec 30，137－30．The find an oed oak stake tit＊60 inches which has been ret for the corner to es．25，30，31\＄36 and the roots of the trees standing nearindecate very strongly that the post once stood near this place，but the NE bearing twee root is poplar instead of＂Izinch＂and the rooks of the NW tree are all gone as there are no iron marks to de pound，we Nave to pars it upand continue South between eco． $31+36,7.137-\log .30431:$ Qf3536．50 set hut：At 3960 Ret hut and quit．for night．POM．And alfred Auden－ son，Francis，John Johnson and 2 get in whole day for walden twp： Thru．Chysteind wonders to own tent for Rugger．Signed．fohw w．Cur．



 $80^{\circ} \mathrm{W} .5 \mathrm{lk}$ ．All are gone，Continue South．At 6209.50 set hub：At 66.00 set hub temp．1／16．At 70.59 .50 vet hut：At 79.20 Ret hub＂A＂for temp．SW Corner of Rec 31，being the Corner to res 31，36 and township
 Aop．13，N $45^{\circ} E, 53$ lh．，Asp． $9,125^{\circ} 50^{\prime} 15,38$ le：，ale are gone．for Francis，
 bey，Fancier will payfohn fohnorv．B OM．and I get in full day for Walden Dip．，we re－Chain the whole mile and a hal，North and find it Correct． O Ret Thy transit on hut 1320S．And give foe francis a rough line E at q．var：to show where his $s$ line might be i．An accocent of cost we hangup this sivivey until the county or someone les pesto in the Reps．Comer． Auer night in tent．John N．Curio．
 Anderson and I chaining．John foncon and august Elate，Apemen． Beginning at the true conner to pes 22，23，26，27，7，137，ky，30，pere－
 set－huf．At 1300 Culvert site ．At 1520 set hut，temporary $1 / 16$ in little stream： at 1760 ft．center of two foot creek，runs NW and SE，Bridge site．Sow ret land： At 2040 enter open Marsh：At 2240 leave same．At 2444 set hub on rice： at 2640 Ret hut：temp． $1 / 4$ bet sec $253+26,137-30$ ，where wite．s．notes call．for pout and Head．Balsam L， 528 E，20lk，D．Bal： $4,1300 \mathrm{~W}, 31 \mathrm{lk}$ ．All are gone and rue continue East．At 2680 enter open Meadow．At 2760 ．Center of two fl．Creek ruins Sooth．At 2900 le ave meadow At 3370.70 set hut on hill：At 3960 ret：hub：imp． $1 / 16$ ．At 312.40 ret hut：at 5280 wether；The true section cor． studs North 54026 W，55．40 ft distant．At this point being the Carmen to





 set a stake marked" Ire section carnew" and abed drove a Tamarack stake in the field where the old bearing treviptord All got inn fuel day ios ublabevi over night at home intent Sun day $\operatorname{Hov} 22,1908$. Said ups
















 Five day porvialdew Top: Grin No Nero.
 Nh the loners to eco $20,21,28 \times 29, \ldots$. Find the swak aud the NEva apex plainly

 Aspen wis set the true corner ind then the old bearing trees stank ap poelocco: At


 Ken. Sooth 600 E, 22 lops. dist. petting transit on hub 5280 iv on the preliminary line


 and got in $3 / 4$ day for Walden Ting. This end the Walden purvey. Tor the...perevte
 copt on rut-divicion of sec. 32,137-30. Thy bill against walden. Dup. To date is $103 / 1$ day.




 Fine for couricelpept that the se stemig is abocctots pat south. Sowing te


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 Atumpi, Jouris Finnie, with accau alron who, in a pow o cle o ztoggyarde

 Hureday song 26. 190 . Jhankequing. Cicyl, Noni and h hernt a deen in A. N.
 over nightim tenk fonn No Puro.
 at the $1 / 4$ conner nun worth fet $5 \% 10 \mathrm{Van} 8^{\circ} 10^{\prime}$ on new cut acet road. 1320
 connei for Horth eainey to esec o and b, heing hub sol 9 wo firom which the truec conner seto hocth 180 no ftand 3130 fik wet... Government chain callo cor 301950 fti, and ofind the toue lexgeh to he 320 or 2 fth or 180.70 fth longer than qouermmevat chain Cele for.

 nuw bearing trees ao jollour, Jitiue $6,5422^{\circ}+W, 9.27 \mathrm{fh}$, T. Pine $5.550^{\circ} 30^{\circ}$ $E_{1} 5 \neq 27$ ftir two nail heado Var 80 o'E, Thi is the 1 E Coner of finnieis laid Ele O. Hogqyade o Morvio Fenmic Chinied at one end and o? heed the other, thue chain and trankit line, Frame the sE couner os Rec 32,13750 , weat to the NE car in Rec 6, 136-30. Hoivitithtes call far 2506 lke, bing 1.521 .96 ft of find the true mearurement to be: 152930 ff or $r 34$ fhi longer than Boit ehain. Setting trancit on ture C. . at NE Carner of sec $6,56-30.9$-hackeight on true, SE carnev op sec $52,137-30$ and ruen zuest: Chaining fro n the NE Cornev op sec.
 given in 2 s notex for $N$ vide of $6,16 \leqslant 0.2$ got in ane day fou ournens
 Sevang: fow iv Curo.

 set huk 0480.64 for temp. NW Cov op sec $6,136-30$, and $N E$ cor op Recl,
 Tamavac $6, s 0^{\circ} \mathrm{N}, \mathrm{I}$ lep, ile are gone. 2 took divner urith noretram. $T M$ Continue wiest, $A t-80.6441320=6800 \cdot 64$ ecthuh $A t 5 \neq 80.6 t+$
 to bearing tives given (quitfor night. One day for zturggande, jexnic. * Company' Fohn Gohnoon and ore ehain the Ehole hie teo find $1 / 2$.


Sunday nou 9 9, 1908 Tacked in foicideer. Mnand boyl Rejoed. all the deer have left for the fig suraupin sec 12t13,136-31.big. stoin Coning. qquesi,


 PO.M. Andercon Ard nels Sivang cut bicel. FBegining at thet 8120 lat temp.

I/tikide igisec:1,156-3\%, Continue zest :900 .ft. And set hub 9020.64 ft. near sw caner. If Fug. 137-3.y, at $5780+3960$ set hut $97 \neq 0: 672 v$ for temp. $1 / 16$ Qt. $57.80 .64+5280$, sect hut. 10760.64 for teny.NE Corner of sec $2,136-31$, where 24 .
 are gone. Continue rect: At $10760: 68$ chain 30 fit. W and pet hest. At. about 60 ft. w. on hub 10760.67 five find .a marked stake retting 10 ft. Soult, and another marked stake standedi 0 fth s and 6 yt. East. Tue Cannot use either of there states. and quit for Night. g walk a while quest to see Mr. Ftinch regarding these earners, their walk


Wednesday kea. 2,1908. O am working for owneri of Rec $32,131-30$, Beginning at hut 10760.64 ft IV of NE cav. of sec 6, 136-30, we continue West. Ak o. Fanggyorde and 9 chain correct. M. Finnic and 2 check chain. Qecar Coin aid nebo Revang apemen. At 9 chains ( 90 foot Chain) +48 ft. set hub 11618.64 ft. 2 and look for $1 / 4$ ypoct on 8 side of sec i36,137-31, where $K, s$ notes call for port and: Tank. $11 N=5^{\circ} E, 10$ leks, Tine $5, N 5^{\circ} 2^{\circ} \mathrm{W}, 16$ Ch, all are gone. Continue west, is i20 ft set hut: At 2640 set hut. Thew 10 Chains and 20 ft . And set lech 14320.64 ft . Ar. At 175121.49 ft set icon survey join from which the true s 2 cos: $g 36$ and the SE. Cor. of 351

 set a hub and tack for the bice cor. Foin the 10 inch tine which is plainly
marked and standing but cut off 17 fit. Above the ground: It had Marked and standing but cut off 14 fit Above the ground. It had been up-rooted by y wind and cut:ogt while douse. Then the root spurning it back in peace. D Find the roots of the"7oirch"called for in notes, but it is not marked and a goat to par acvay no ado not use it, Check, chain back and quit for night. John W. furs. Thursday ilec.sed, 1908: I an working for walden Five. P: 0.M. Andu. son if Ion fohnson helping; Connecting the socith boundary of section 32 ,
 wet to the $S \cdot W$. cones of en $36,7.137,7 \mathrm{Tg} 31$ io if 1721.49 ft , my chain and io 14318.04 feet is. Chain, making 5.4 feet to long. The dietaine from the S.E corner of Rec 52,5157, veg. Do, went to the N.E Coring coiner of sec 6, 7136 , veg. 30,101529 bo feet my Chair, ard 1521.96 flt. U.S. Chain, making $7>4$ feet too much land. 'In setting the ils pout rent of the S.E"Cornci of Rec oi, J. 137 , reg. yo, o Chain rect 1320 feet; set ip joins: then at 152196 feet 2 set another pain: She true W.E. Corner of $\sec 6,136, \mathrm{yeg} .30$, sets quest 7,34 feet: Correcting back 2 set pin. 1320 , wet 6.37 feet at which point we drive a $5+3 \times 56$ inch ain stake marked "True $1 / 6$ jot" $I$ pet no new hearing tres. The $1 / 4$ port on Louth side $p$ sec $52,7137,7 \mathrm{ge} .50$, should stand 1694 link e $1=1118.04$ ft. Wert of the N.E Corner of sec: $6,7.156, \mathrm{teq} .30 . u$. . Chain, bet to the in total distance of 14318.04 feet west is 3.75 feet long and 33.70 feet couth, hub 1118.07 goes vest 0.27 .88 a fool zest making total dist. west 1118.31 feet and $a=14321.79$ goer 3.40 feet south, 1118.31 goer South 2. 61 feet to true point forl't ear. Where we Ret an oak take with no bearing thees for the $1 / 4$ Cor. On south Ride of Rec. $32,7,137, \mathrm{xg}$. 30. This is m






 उ+3136 inch oak pot with no dealing tree. No set this $1 / 10$ peat we



 gros wat 0.91 g a foot to 3755.95 well, thence sooth s. 77 feet, where we set the pie si w. Coiner i p pee, 32, ting the see. coiner gp per 31, 71377 g .30 , where we
 head, Var 8'76: . To set this corner we chain E promi-het $3960,201.05$ feet, then

 but as the total distance in 375 git tho long, 9038.09 gros wat 2.18 FA to



 to tut 9020.68 and chain wat 19.58 feet to hut 9070.22 , thew South 21.08 .

 Hen going a snick roots to a hut 2670 gt. South, 2 run 5.7 .35100 .26 .78 feet where 2 set a josef for the true comer to keitions $20530,31+306$, ow range bine between Dupe 137, ranges soand.31, with new bearings ar poecows; veal


 Frow which the new s. 20 corner of nee 30 bean $862^{\circ} / 7^{\prime 20}, 33.60$ feet. Conning gat to hut 1520 , the run $562 \% 1720,16.08$ feet where we set the trine What $1 / 6$ your between sec 50 and $31,7,157,72 \mathrm{~g}: 50$, with no hearing:" Do correct



 31 and 52 , tut set oo hearing trees at 3960 s. zoe nun $9+2^{\circ} 22^{\prime} 20,19,20$ feet where west a peach for the South 1110 between sees 31 and $32,7,157-50$, the mark no tearing trees. Going to the $1 / 4$ comer on South side pRecis, $0.151,7 y .30$, we find out how much ow N. and s. preliminary center line I If and Quit for nut. 2 got in one day for owner 1 wec.s2, ,137-30.


 work ace duy. Do find the true Eak and weet eritu line g reo 32 , 9 set trainait








 $0131,0 \mathrm{~g} .30$, the running routh, roe find that the trie eenter of sce. $32, \ldots$ Juat $1 /$ inch wext g the tach in thib"A atiwhich peoint we drive a 6 fort cap fence poot, narked "True center of cec 32,19150 "

Ater Retling
16.75 fuet: Then coming cant to 1320 , Tuant, the twe $1 / 16$ poost seto $N 70501.10,8.57$ fuet - at which yeoint 2 divive shout oak stake for trive enter gsast half og sec. 32,


 run Hicah 1226 fict andreetstake marked: "Ime NosCenter line pere =2"
 and iot another otake jor twe $N$ and ss contav line of sec 32 .


 true center qo eovth theet quarter grec.s. Then going ti the $1 / 10$ cor.
 Liet: at 1320 ft tack in loys at 2610 ft (rough chain) the true $1 / 10$ in center


 To then heing 6 th day at $\$ 1$ ren day $=26.00$. Sohn $2 x$ func
Sumbiy vee 26, 190.8 p sill. anderood and 2 pet a few correction stakes and thio


 Atand 2640 . gect vest of the N:E Comer, but ao the totul dictance wath $\mathrm{g}^{14} 1318.07$ U.s chain in 14321 in9 fh minchain, heing 3,45 feet over length, the 20 ro goes Uret

 Where opet a joost for the true $1 /$ comer or horth sile of cec $6,7,136$, se, 3 , teing annil divien into the se edge go a ohot pawed gflo inch tamarac oturigo no hearing necinsary: at 3960 rveot, we chain 0.95 go 7001 west to 3960.95 , then south 9 In feet where we set a stake for the tive weotlice connerion north


 Went if the ME, Con men, tut as the total dintaince rient to sw eainerig
 ti 5881.96 weit, then touth12i2s fut vilire we drive a ntat 66 incele

- tamaran part weee into the riexidow to inaik the thue hoith cain






 buk they are doum and out big the rooto, tho'in peace pionciwhich
 tranuit and chicags ctrel tajee. Haingyaide arid 2 chainting perfect with peunt tadi ftuggyarde and Finnie uarked aee day, inls Hevang and inver Zureno worked in the, getinguee day for

 thanggyavde, 7 insie, Dverom, fuang varked in AMM and gotin O hincon worke in peace of fiving in sM shegining at the th convewaich is a 3 foot ain poot on wertride of sec $0,7-10.6$, Ag 30 we ruw East on 50 ariation: Atquo pt rettack in loy: at 1320 ght rect hut, Ah $2 r 7$ sient
 in kig hinchlog ak Aft"seftack in anotlen buch logi aks9 60 ft. set hict: thin along hine se taickin gprucelog, and tack in fooplar log, and at-4-22 set hut in watedge g purany ats-2roft adyoin and givih fornight. fokn Wh Cird
 last inglt, we Continue Eait: At stas ano ftt the/s carner on Eaotiocide of Reci.6, J.136.-7g to, oet Yorth, 38.90 ft , The depth of thio section Rait and wiot celculated asper us chain, is insin- feet plus 3-960. ft totul 578.71 fut and qual 0 - 90.70 fut ray chair and is 1169 feet overlingth. The Eait and Cluet center line ah this time runs on about 5026 magnet variation Enct, and the centing the Morthhalf; should run sact and unst on abont 6020 variation Est $=$ Tue go to thi/t comer on South side

 17 hints, hing $11: 22$ fut distant we find bate dearing trees ptanding green anil plainly marked piom whech weine the truel/d comen thy feat chain

 of RT marke. 7ram thisi/t we run hoith on s' so variation: ah is 20 ft
 out line at 287630 ft East: Shined 7 chains north and quit for night. Aver night at home with my wife in the new tent at Anderkono. ton wiguro Thursday dec .10,1908: I am working for the ounersoz Rec 6; 1.136 , eeg. 30 Ale o tauggyarde, thorns finnic, tver queraon, tho Sevang and a all day: Qkear oks hr cut bunk in PM. Ale and 9 Chained perfect: gejurinct af yein7, we continue North on center line of sec. 6: Nh 5960 fe. setitub. At 4332.20 tack in tamanac. log: af 5.8 .80 pet stake: At 5702.00 feet the true $1 / 4$ port on Mouth side of 6 , keto west 46.10 feet. To Correct the N\&S center hiv, 5-102 goes west 46.10 feet: 2640 goes rect 21.34: 2700
 the Ed wo center live, huh 5495.40 .5 goer north 38.90 feet: hut 1522 in Revamp, goes north 32.01 Lect 3.960 goes. North $28.03: 2640$ goes North 18: 6.9 feet. 2 take the crew. to thenarth $1 / 16$ port tet. pecs sand. 6, I: $136,7 \mathrm{~g} .30$ and start them cutting another new line vest on 6020 var. Ole and s then gs and yect in the center of rec.l, fry intersection of the erose lines: we set transit on hut 2640 North and run west 21.54 feet and set hut: Then Going to tack in log at $245 i N$, we run Nr. 19: 83 ooh to true hie $N T S$. When rue a line North and south three hub 19.83 and huff 21.34 setting a hiv of pickets to make the thee Nos line. Then Retting transit on Mub.2856.20E, tue run sooth 20.22 ft to true Eq, enter line, thence west 3.90 feet to a interaction with the picket line $N \neq s$, where we place a $7+1+50$ inch Maple post tor the true center op sections. 6, Hop. $156, \mathrm{yeq}$. With Learning tree ais follow:

 2.852 .30 feet East, the true center of Rec. $6,7136.7 \mathrm{gg} .30$, keto hearth 20.19 ft . and at point on the random line 266910 feet north, the center ret zoent

 South g the north corners, frow which we run $N+9^{\circ} 5^{\circ}=10.02$ feet where Q drive a good stake pout the true north $1 / 16$ corner. 2l.S. Chain pron this 116 North to the closing conner is 1551 feet. and is 1541.22 feet ming chain, and is 9.78 feet short. As the total length of the North half o sections b, along, the range live is 18.10 feet short, the distance from the thatch $1 / 11$, Louth to the $1 / 4$ Corner would be 8.32 making the length 1311.68 feet. Thine prom uss. field notes, the distance from the $1 / 4$ ow west side, East. to the ceriter is 1523.73 yous $1320 \mathrm{ft} .=2843.73$ feet $u$. Chain and the distance 7 . 1 . 1 . Chain is 2852,30 feet being 8.5.7 fut long. Following our random hive East to tenjeorary $1 / 16$ the f ah 15-23.13 East 9 run East 4.5 , feet to 15 28,32 East, then North. 10.82 feet where 2 place $a$ stake for the true $1 / 16$ conner in center
 new r NE, $4 . \sigma 8$ feet: Top. io, bears SW 9.71 ft. to tacks driven in bearing trees. Atanggyasde, finnic and 2 work in A.M and 2 and ring whee tapis dinner with Finnic.

To ret the center of the Each half of this septionelo tue theqin

 the center of the East lag h of the section. Inereon, Cleon, Bungbarde, finnic and $\theta$ work in T. M. beginning at tue North $1 / 16$ bet. sections 5 and $6,5.156, \mathrm{yg} .50$, wee run brest on cut out line, tar. 6020'E: At 1520 ft. rough chain set hut: At 2640 ft. set hub: at 2140 ft. set huh: At 3960 feet set hub; $A t 4063$ set tack in log: At 5280 set join: Ah 5791,50 rect, the true North $1 / 16$ corner between sections 6, 7.136 - Meg. 30, and section l, 5.156 , Meg. 51 , Rets North 15.53 ft . Quit for night John N. Reno.

Saturday klecenber 12th, 1908, 2 am working for owners of sec. 6. Io correct the kit a west center hive thu north lag of sec .l, 1.156, vg. 50 , at hut 1520 ft. west on ours random hire, 2 run north 3.73 ff, and at hub 2670 vest, 1 run mouth 7.47 feet and at hub 27402 run north 7.57 feet and at hub 9960 W , 2 nun North 11.20 feet and at hut 1063, 2 run north 11.79 fh Where 9 place hub o to mark the true East and west enter line thin the worth half gree. 6 . I set the true center B the N.W quarter g see $G$ b by inturecting the the $N \neq 8$, line with the true $\varepsilon$ \& $r$ line. I set transit on the NE E Corner of got Sot ho. 4 8 section $6,7.136,7 \mathrm{~g} .50$, then focus telescope of post at bur center of west half g sec 6 , and set a hut or two on true north and south inc, them corrected up the rest of the true East and wont ceder line of the north lalfog the section, fut only set the $1 / 16$ comer in the enter of the NW quarter, and the balance I the mile East 9 only set stakes to mark the hines and not forty corners, as the land owners does not want them set, as BAugjysule owns the three forties in a string on one side and Hinnie oivns three forties in a string on the other side 8 the line. Fangqyardis forties North and Finsivis forties South of the line. Going to. Lief 5960 kat on the $F$ and $N$ center line of rec 6, $7156,7 \mathrm{gg} .80$, we chain $213.85 \mathrm{ft} E$ to 7173.85 . thence $N 27.55$ ft where we peace a stake for the true center of the E half of said section. Iq get in $1 / 2$ day 7 or ounces of sec. 6, 7136-30. Ttanggyarde and 9 did all the Chaining.
Sunday lee c.13,1908. 9 made out John fohneonis account against Walden Twp. King $7 \% 2$ days@ $\$ 1,50=\$ 11,25$. ald John Alfred fohnsowis accocent


Thoudry kec-14,1908. O worked all day fou overs of pec 6, 136-30, Houggyalde, finnic, cleon $x-F$ worked, and also Hereon. Sloing to the se corner of sec.6, being the carne n to pees 5,6,7and 8,136-30.. government notes call for a port and the follocving Rearing trees
 Th. Birch $10558^{\circ} \mathrm{E} 40 \mathrm{eleo}=26.40 \mathrm{ft}$ Ti Pine $18, \mathrm{~N} 650 \mathrm{~W}, 25 \mathrm{ehe}=16.50 \mathrm{ft}$ ur find all of the trees plainly marked and standing but the
"fack Tinc"ecalled fios in the notew is a wbitine, und concidering that we could not make ik check aut for neacionement with the athen three tree oo am comperled to pece it up and rot uce it.ng firct pet the
 noh ues, hecacke the Kovernment noter call yor f.tine. Ifter -rtting transik on my new corner the tiecoptand we yoccoccos. 2 2ar. so 10 E:


 at 1320 fect $A u b$ and tacki at 2600 Geet hut: The true1t connerr hetween

 Where 9 pilace $n$ hut und tack from which $\rightarrow$ ruwiN LSir $8 \therefore 50$ 'E:

 Thaking the distance rough chain aboich 180 Jeet long. is get in Huel diay fior aunero so ec. 6 , foth whe euro.
 Wh a point on the $v$ or porehiminary line $266 \% 10$ feet $N$ of the $1 / 2$ Cavin suride

 - a poot for the toie center og the 5 half of rec. 6, T $360-30$ veginning at the which the trine corner to peco $5,6,7 \times 8$ peto Nooth $060201 E$, $5 \times$, 50.yect
eorrecting 1320 goe $N 36020: 1,175$ - feet where we jolace a poct par the

 chain set hut: At 20, feet rough chain eet-hieb; from which the true V6 cor in the center of the shagfog pec 6 cets horth ot o of a yool Courcting true tand $w$ eenter bine of the sE quaiter op bec 6... Tauggyarde and




- Wednaday oec. 16, 190. . taugyyarde, becar oleon, 7innie, s and fiving

 and $57 a 0$ feet $=285730$ feet. Ret hut from Which the tuce Carner
 Mouth th.0. ft (We are ining a 90 Jf ehain, steel tape.) ao the thoit mearurement of thio one Rag mile calloyor 1020.ft. +1520.58 ft making in ale $28+6.58$ feet us ehain, 9 find the true chainage inn? Lt longer than Hovernment Chain Callo yor Covrecting back:





# PləT <br> Twp. 136-Rq. 30-Sect. 6. 



Notes call for a post and the following bearing trees tamp. Io,

 NW bearing thee in sec/ and the sw bearing tree in pie, 1 p bending plainly marked, tut the others are gone eycyph the root, which are not marked; We find it impossible to pet the stake: dy mearcument from the two hearing trees as it would throw the SW hearing tree to far East and over into another tor-mokip, and as we poictively can not do this, we are compelled to ignore
the NW hearing tree as to menkerement and eouree exceptithat os the NW hearing tree as to mearecrement and couches except that o
et the tune Cor. Retake as far next as it is possible to get it and at the pane time leave the sw bearing tree over in to ownree dion., I ct transit on my nev port just established for this the con. After which the oed hearing thees at 110 Var. stand as fallout in feat op ot at bake of tree. I pet a tack in a new bearing tree as joecocio: 6 inch Spruce standing north $63^{\circ} 28^{\prime} \mathrm{E}, 1$ toto fth. divot. This is the beet 9 can do. Going to the true center of the wi half of pec. 6, tue run south. At 1520 . Fth. set hut. At 2670 ft. Ret hut:, frotio which
 Correcting tharth: 1320 goes $83^{\circ} 351017.5 \mathrm{ft}$. where we peace a poon For the true, ll car. in the center of the sw fucarter op pec. 6, 136-50, with no Leaingtues. Haring to the ester F. the SE quarter opec .6,136-30, we place a stake at ito correct location buy Intersecting the true $E$ and wand $N \neq S$ center hives p paid quainter, poncing transit on hub
 the trice $N \neq S$ line of the quader. Alex setting branch on hub 1320 eh. W P the s $/ 16$ cor: bet sec $5 \times 6$ we run North 0.23 of a jot, to the true 8 o w bine Of the quarter, and as the two temporary stakes are only two inche apart we drive tacks in nome oed logo to hod our line while cue are setting out the true center 8 SE quarter of pec.l. I pet the final tack in the true $1 / 1$ corner urth my eye and the tape line as the two terfoonary stakes on to close to-gether to wee the trarisit. Gui for night. This ends the. out division op Rec 6., I. $136 . \operatorname{vg} .30$. I have set every corner, $1 / t$ cornci and $/ / 16$ conner in the section efcejat the $/ / 16$ lest of the NE Corner, and the center op the NE quarter and except alps the center of the North hag f and the southillo Let sections 6 st, w the range line. Q le O. Hangrende, and s chained it all with youmb-tob and Po ft intel tape, added Since run ny line correctly with double center hubs and tacks. Tenffel $x$ Ever; first cher transit, in per Lect. adjustment; is had moot, but not all of the linepme-ehained am sure they are correct.
Thur. heed 1,1908. We puled docon our rico tent and cane tonne to Tine River. Sat, in one day' for walden Lop, "thing tome".
decury commenced nov .10, 1908.
Survey finished rec 17,1908.

PLAT 4 NOTES
TWP.139. RG. 29.
SLIRVEY-RECORD-274 SECTIONS 10-11-14-15

Field notes of the Rurvery of purt of Rections 10,11,17915i,2up.139-29, are kurveyed buy A.W Mouleteb, frepenty bounty Rurieyor., baes facenty, Thinn ieota. Hesday May 17,1910. In Afternoon tarker Kaveied me from Tine teiver to Burkero. Stacjed with Burkers vien nejht.

Wiedneeday, thay 18,1910. Tarker, Thike Smith, Siltman and s forend
 Which Canfield had sef. Setting trancit on old ptake, The ww hearing tree checked out O.K. Mracurembits. Checkid out alos, No other B.T.S... lecept oed furnt stump standing $V E$. We walked up to the $1 /$ p port Eapt ivide s sec.10., Found Canfield oed stake and vw berring tree identifeed biy siltman. Stake reto five ft. to far vuext and about $2 / /$ feet to far Routh. Q Ret a pole for a foresight. Focind Rtake at l/t poct on spide of pec. 10, Which was Ret fry Canfield. No Learing tree. S Ret a forexight at this teke Chaining hack to the SE Corner o find dirtance to the z6\&B yleet. Dictance from sE corner cec 10 to $1 / 4$ yoct $\operatorname{Narth}$ is $2571.40 \times 21 / 2$ fechis Canfield stake to far South. Setting trankit on SE corner sec 10, gifind fing ing to he $88^{\circ} 4^{\prime}$ pighting to theif pocto. the Angle to the $88^{\circ} 4^{\prime}$ pighting to the 17 poots.

Thurxday, Thay 19,1918. El. Tarker, Siltman, Siltman fri, And o ptake Cemetery. trieday Taxy 2011910 . Parker Kauled me to Pine Dives.

Reconkid-act. 18.
PLAT
A.W. Mouloter.

Wejenty founty Surveyor, Ras C:
TWP.139.RG.29.
SECTIONS $10-11 \div 14-15$


Twp.13q-Tg.
15


SURVEY-K̇ECORD-275
TWP. 138.RG.29. SECT. BI.
TWP. 138. RG. 30. SECT. 36.
Field notes of a survey in section $31,7.138, \mathrm{Ng}$. 29 , and section 36, $0.138-30$, as sinveyed buy a. Tr. Thouleter, beperty County surveyor, fave County Thinvesota. Examined thy fohw th r faro, facenty Rurveyou, Case County Thinnerota.

Friday They 271910. A. W. Thawloter Trancitman and chain; William Wagner. chainman. William Magnev aid l s found the sw corner of eke.31,138-79, which was pet bin Giro sometime ago. tue find the Now pipe and all the hearing i. that Curs pout in . The pipe is $S$ of the wagon roadibuy foin Neefis hacice At SE corner of kiec.sco, 138-30. We then walk thatch $1 / 2$ a mile to the $1 / 1$ comer. buy solmpicicti fence, found the two sturypes fou hearings that Curs had pout in tret the pence post bearing was gone, as Why y had moved theinfence since the cos was pert in. Setting transit on the by pout on 2 ride of Rec 31, J138-0g. 29, Foresight to a jeaq Ret at the sw Corner Rec 31 , and Ret a line of bhicining ptakes: 320 pin. between 36431,7135 D. 29030 . length of line is 264610 fth Pine 1320 goes South 3.05 ft. to 1323.05 ft. where 9 set a $1 / 10$ comer buy foresighting to the plumbed flag at sw Hop. Corner. I drove a wooden plug in the ground and put in bearings as follow: $8^{\circ} 95^{\prime}$ Variation. T. Pine $3,546^{\circ} 30^{\prime} 5,52.75 \mathrm{ft}$. QN. Bine stump 12,56928'W 7.9 dft .

Walking to the $1 / 1$ port on the south side $7 \mathrm{kec} 31,138-29$, we could not find the iron
 Curs Raid stood +0 s 50 lh. After setting the hut o find the bearings stood as followo: T. Pine sw, 40 links $=26.40 \mathrm{get}$, Tine $r \mathrm{w}, 50$. Chs $=33.00 \mathrm{ft}$. At this corner 9 inset aw iron $11 / 2$ inches in diameter by 16 inches long: Chaining north we couldcit find Curoid $/ 16$ conner at 1326.60 , so we chain $N$ to 2653.20 or the center of the section 31 , finding Furor $11 /$ inch gas pipe. Setting transit on gas pipe and foirecighting on $1 / 4$ corner post siside of cut, 9 run a line of rtakejpact they corner, Chaining from the center of the section, when 9 stich the pin in at 1326.60 it strikes Curs iron which he $h a d$ put in for $\%$ corner .- it vols exactly in bine.

Saturday May 28,1910. William Whiner and 9 wail in the forenoon retting sta neo or the Park. We found one pone Monument and cred it. We also used Nidemani fence and stakes around the alley, from videncis.

Thonday May 30, 1910 . William wagner and 9 work all day at the park. Notes F yin line East and west: Chaining front tixleris comer, 2265 enter Morceray brook: 145 ft across brook: 2710 leave brook: 2476.40 the b buy lumber-jpile: $2446.40+131.50=257790$ ft 'at 277790 the $1 / 16$ corner fry Keirstienis sets 5.5 .66 oo then set transit on corrected hub 72.1742 .50 and buck Righting on true conner Pry Kinleis, 9 nun $E$ on trice line, Miskingthe $1 / 16$ by Kindles $3 / 4$ inch, 9 then stake out the park from the corner 9 had Ret and the true $1 / 1$ lines. Henley They 31,1910. 2 Ret hearings at the center of the section buy William
 29.57 ft 2 alms set bearings at the 1,6 carat 1326.60 et.S. of the center as follows: Var. $5^{\circ}$. J. Pine $6 \mathrm{~N} 67^{\circ} 22^{\prime} \mathrm{w} 50.70$ ft. Now. Tine $9517^{\circ} 210 \mathrm{~W} 96.80 \mathrm{ft}$. 9 put the Thearcremento of the park on the tracing that 2 had. Roorided-o-ct. 1 .
A. W. Mouliten-heputy, County surveyors, bass County Minneata.

## TWP. 137.RG. 30.SECT. 31

TWP 137. RG. 3I. SECT. 33-34-35-36-
Fied noter 7 the nurvey. RG. 31. SECT. 33-34-35-36-

 examined and recorded by fohn wow Evo. Cownty Swevejar. for survey. Friday Sept 29,1 III return from wakkirless pin field noteo Thonday Octokuy $2,1911,10$ de to countrumanis placeir to pine Recies. stage. Iam working for thoare Lake Lrmans hiy. etage fare wrew on



 at the hootheast comen of
 poot and: Pinc $10,15512^{\circ} \mathrm{F} 19$ links $=12.5 \pi$ fut




 fect stick yoin: at 999.70 fh ses thet at $1000,-1200,1+00: 1600,600,800$, at 1782 fect set-hutiond tack far temporary vw comer, if peotion:, fuet set poin

 3700iset pin:: at 3600 fth ret hut in center p road: 2600-2800:3000: 3200: 700:1600:7800:5000: set fins: at 5700 ft rethlect in road nea: fouth foo:
 pallowing bearing trees: Pine $10,155^{1 / 20} 1919$ link $=12.5+$ lec for a post and the
 but grubted orit and lying sowth pine tho rod. Mr tinch and In lainly tharkil
 Helace 1 set a quare tut for corner at sh comer sec $36, J, 137$, No sidh 9 then continue. West on erme line: at $5+00$ and 5600 ph feet:
cet Rut 20. inches nosth of Toreth whel track- leave road. Aht jein: At 0.800 6800: 6600:6800: 7000: net juins: at 1095:60 ret hub in front 600:6200:

 9200:9700:9600:9800:10000: Ret puin: At 10100 fuecte: $5600: 8800$ :9000: dyy Cointryman hacight out our dinner at noon, with hij. for the

 comer op sea.36,127-31 and rumning wact:" he did not find any thoit sw. until te got to the $1 /$ comer on the South Ride $o$ find ony shoik con.

Where the found 0 oth old thaning treuptomps plainly marked: his mearcere from
 the south wesk coveriv section $s$ and put in meveveareingo at $8: \% 6$ var. ber
 Wuect: Ut lezoo east edye p mendow:-at1aro0 pin in meadow: At 10.560 .60 fth

 lind: at Ilfoosetpin: $24 / 1500$ oeh poin sojpt Eact 7 waters edge: at 1170. rekjein in low land wect water edge: wh:11750 Righ land: Ah 11500:12000 12200, 12700:12600: ret pins: at 12800 pein im onole meadow: at 13000. pethut in center of-od rooal whieh hear NEand swi-at 13200 , 13100 13600 Ret juin: at 13800 pethution hill atht000:17200: $1+700: 1$ 10600:
 set lut: ah 15600:15500 set pins, at the swe cornes op rec at, -heing the
 was jeut in byj curs- - the south-eart dearing thee and the comer stabe have been grubac out: 2 set the carner by cources and Theracirement from the south-wect beaning tice and drive a $3+5 \times 116$ whe firch stake for the twe conner and jout in new bearoing as follows:
 At 15838.30 fuch west the south east cornergree 33 , reto houth 015 og a foat Thi chain from south west comer gree $36,7,131,7 y .31$ weat to the shuth
 ince betocex Cursi chain dnd my elain. Which proves that 9 have seh foth conneri correctly.










U. Schain from SE:Comer of Ree is, weit to the N W comer of eec 2, is 27,50 chain



 a poat tiopar weot we chain $E \cdot 20$ oo a joot to a point 70.93 .55 fect Wect of the yolace of heginning thencests f fhito the then NW comen of Rec. 2 .


sec. $34, \% 137, \mathrm{pg} .31$ is 5280 ft and equal 527985 ft my chain and the Hart chain from the SECormer ofocec. $34,7.131, \mathrm{keg} \cdot 31$, to the NW Cow. of Rec.31,36-31, io 27.54 chains being 1817.67 fit and eftcolo 1817.60 feet. Thy chain. At hue 1237.0 b runs Roccth 1.70 feet. to NW COLnee of Rec. 3 .

Friday Oct .6.1911. A. W. Moubeter traneitmaw. Therbert Wenkolg.

 E on or wide of sec. $31,7.137,7 \mathrm{y} .30$, var. 80/0: At 3556.50 Eat the NE Cover of two. $136-31$ sets south 2.00 ft This corner previously
 at 4:45RM. Frank and therbert making a mortor-boy. os vote notes and went out to the mail bor. Signed. - A. w. Moulater.

Saturday Get. T, 1911. Frank Countryman; Herbert wenholy, A. W. Moulcter with Countugmaxis team bet the following moncuncnto being two inch galvanized vion pipe t ft long, caped on top with anchor rod thu e bottom of pipe, well set in concrete and rock a th the following peace: NW corner Rec. 3, NW con. $\%$ Rec. 2 , and NW cor. 7 Rect, in Hop. 136 , Ry. 31, and at the se cor. I Rec. 35, Hep. 137 , gey. 31 , and at the 5 en cor. of sec 36 , Twp. 137, te g.31, which io the sw corner of sec. 31 . Twp. 137, Deg. 30 . Venge Twp. is to pay fou the setting op their comers as agreed by Mr. Trick.

Sunday ch 8,1911 . Wo te note and went venting.
Friday each 20,1911 . A. Whoubeter trancitman. Frank Countryman, Herbert thenholg and team retting iron monuments. Ah the NE Car.
 Which io the 9 th standard Parallel, we pull up the wood post previously set by curs for the true Twp. corner and put in ito place $a 11 / 4 \times 8$ inch galvanized iron pipe set ito fuel length in the ground in a bed of
concrete for the true Five. corner. concrete for the true Fop. corner.
lecercct-ceti 19-20
A. Nr. Dhoupoter.
deputy County 'Surveyor, eds County, Thinnersta:

## TWP. 136-RG.30.W $5^{T H}$ PM.

SEC's. 6-19-30


 and Frank countryman ar and Chainmen go to the SE corner of Fop 13\%,

 W, 49.54 feck. W find both bearing trees which check out correct: Setting on corner 9 run west down road at 8040' variation: At 5278.60 feet the South $^{\circ}$ west Corner of eRection 36, T137, 7eg.31, Recto south 5.25 fact where Rh. S. Notes call for post and bearing trees as follows: Pine 10,N85030'E19 links, ( $=12,54$ feck)
 feet long, plainly Marked fut grubbed out and lying south op the road: Thu. Arica' and The. Countryman both agee as where the post set, as established by Curd from the old Boil fearing tres, at which point $\theta$ set
a square the fou the tue corner. a. Square the b for the true corner.

October 6,1911. A. 20. Thoulcter, Frank Countryman: Tterbert wenholg working, PE. Countrymanhingsdinnen with big: Going to the S.E. Corner
 varction 8010: At 1,200 pet hut in center of road: 3556.50 the North established by curs.

October 11, 911. Same crew working, Regin the corner to sections $23,24,25 \times 26$, T.36, aq. 31 and run East on $8^{\circ} 48^{\prime}$ Vaiston: At 700 fr set hut on hill: At 2600 set hic on hill; at 2640 temporary $1 / 4$ corner.... gone: At 4760 cross stringy brook, bro N4S: At 5980. ft. Ret hut North of wagon road for temporary corner to sections 19,24,25 and 30 on Range line between Founohip 36 ,
 bearing trees. feet) spruce $8, N 22^{\circ} \mathrm{E}, 9$ links $=\left(=5.94\right.$ feet) fir $10,536^{\circ} \mathrm{E} 8$ links $(=5.28$ feet). At 5248.50 feet a stone in center of road set for cor to sections 19 and $30,7136, \mathrm{Jg} 30$, keto mouth 19,85 feet: At this point which is the East corner to section 24 and 25,7.136, 7 kg . 31 , John Kelson, who lives on the S.E. quarter of sec. $24,7.136, \mathrm{xg}$. 34 testifies bes dolour: "Ole Thunson's brother moved here' 7 years ago-- found the gortstake, being party rotten then.. And Thunoon came... just as they are now"that he, John Nelson,"Moved here 14 years ago" that" Hallett surveyed the road bet.
 sallet surveyed said road in 1903 ) and Nelson" "helped him". Hat" Wallet put his stake in the center of the pile of rock" When road was worked Nelson was road bro.- Takes up stake and places a rock in place IF stake" we find the nock, alost talletts' stake against stump: Ale




 secs 2fand 25, Tis6, 7eg. 31 , and that he found no heareng trees: that the Now. Thunson ever naw any thearing trees for the N.E.Cos. goce.gs.". Hedneoday Qet 18,1911 R. W. Moueoter, of Conetryman, H Weenholp working in PM. Aetting on Cos. to secs 19, 2t, 25 aid 30 . Iownbhip 136 , teungeo 30 and 31 , run south along range line, the ga $30^{\prime}$ theis work being dosee to sheche on the Coner to Rections 19,24, 25 and za: At0, 0 Rumamp: At 200. and tao
 fect pet hub: At 900 enter tag alder and mendow landy hearunE and SiW:
 runo Ewstand West: At 185 a enter vpon meadous

Hhureday ect 19,911 Same Creir Bontinue South, at1q00 pet pin i 2000 center of ptony thook-Fast and ivot: 2100pin: At 22. 50 ft. leave Theadow, enter thwoh: At 2300 pet hubq ft South of ruil fence: At


 Magale Qleon who livesow section 30 , 1 , $136, \mathrm{~kg} .31$, terifies do follous:
 I136, Jeg:30) he palv a Apruce hearing tree abouk 15 years ago: Aloo the old goit Atake, heing partly Moted then" "About 13 years ogo fameo M. Canfield, Eacunty Aurveypr I Gass Pounty minnewota owviryed from the Each, between
 the ppruce hearing trec and aloo the ptake" Opow paip that the precentivont is at the place where the otake forinerly ptodi Qdow aloo ptateo that abiock 5, years ago a pompetent ourveifor surveigel the East boundery If sec. 25) (which io the twect foundary of pec-30) for a logging Compoings:也tarting at the rock atNE, eomer of Rec. 5 he ncin focct finilling ho gith corner at the $1 / 4$ he continiced south to the se esiner pieci 25 , he then "Correctly eoteblveted the $1 / 4$ "I found the above $1 / 4$. Eorner and ih peemo. O. N. the purveyor puck in a poot marked $1 / 4$ S.". with. rock around the hottone and heaving trees teing. Pojo 5. SE. White pine 1 , vow down, waterly. Aifeing aleividence into consideration the rock at the corner to pece $9,27,25 x 30$ iocorrec Frielay ech 20,1911 . A. Whouleter, H. Wenholy: 7. Countryman, and wenholg \&




## TWr.I4IN.Ra.29-SECT. 1-12-13-24-25-36 TWP. 14 IN.RG.28-SECT. 2-3-4-5-6-7-8-9-10-11-18-19-30-31

 Fied noter of the curvey 1 a County road and the extablielment 141 N , Raxge 29 W , and eectione $7,3,4,5,6,7,8,9,10,11,18,19,30$ and 31 of Tounchij 141 N , Teange $28 \mathrm{~W}, 5$ th Principal Theridian Caes Co. Thinnerota ao Rucuryed under the direction of How W. Quro, Docenty Lurveyou D Coso Qocentij
 Thielers Noter of the fueld work head as poclovio:
Thonday fune $7^{\text {th } 1915, ~ c l o c c o y: ~ H e o . ~ W h e e l e r, ~ t r a n e i t ~ a n d ~ c h a i n: ~ H a r r y ~ W i l l e ~}$ Axmanl and chain: Frank Niliiano, Kent Carnahan and Mes. Minnkens, Axmew: we vee a New "Huchley"engineve transit in perfect adgicetment and a nevo 100 foot Checago pted tape: Noc proceed to the S.E. Carner of pec.36,

 length in the grokud ab necorded in punvey recoud no. 2qs bovk "A" IRge

 Arsuming Curoi theacuramento. 8 hir former purvey, to he correct thio tect
 hine ahead until ue intereet the N.E. Corner op kec. $36,1.41,7 \mathrm{~g} .29$ (theing the Ret by coro and recorded on survey recond $n 0.225$, 2ook "A"goage 556, pount record book of Rurvey, which ohowothat we are on the tuce range hine. From the Noteo of Curoi former Rurvey 9 figure the earech distance betweep this N.E. eorner sec $36,141,29$ and the s, Corbur of 141,29 to be 5460 . 5 th feet. Hecday fune 8,1915, pame crev and tools conta between Hownohijo $141, \mathrm{Tg} .28$ and Townohip141, pange $29:$ at $8188: 48$ ReA hub: At 8190.81 set huef and tack fou temporary $1 / 4$ cormer on Eact pide of Guit for Night. Sto N. Thiller.
Nedneeday, fune 9 th, 1915 porth on range line: Triangle lake as followo: Setting traxpit on turt 8188. 40 marked " $A$ " Cause hut " $B$ "to ke Ret ox line on North Ride of late: Walk around lake ank set transit on hub" "B", buck right on hub" $A$ " anel Furn $90^{\circ}$ to the lyft and run Eact 100 fect and set buek "c", peace Traxit vver huf "c" back sight on huf "A" Turn teleccope to the Teight to huf" 13 ", Angle At"C"is $84^{\circ} 05^{\prime \prime}$ Angle "A" figures 5"5-5": cotangentip 5055'times loo Feult (heing length of base line) $=96490$ feet hetween hubs " $A$ " and " $1 s$ ".
 Coninue Narth: At 9905.40 ret hub and triangle another, keke aspollorp



then turn telescope to left on hub "A " angle reads $87^{\circ} 01^{\prime \prime} 3^{\prime \prime}$ " With tran nit on hut "ct' hack Night on hub "A" tern telescopes to left to the k"s" Angle re ado $8^{\circ} 31^{\prime}$ distance beer lake fuypropartion both both angle io $192 \% .54$ fectiadded to .990 $5.40=11850,94$ Continue North at 120850 oo pet tut: 12430.90 set hut: At 12.940 .10 Ret hut 13601.40 Ret hut: At $1365 \%$ 35 oct Hut and tack tow temporary $1 / 4$ corner hetuveri section 19 and $i \neq$ on range line: At 14065.60 Ret Rhet: At 147i3.50 pet tut and quit for Night. Hes. Wi. Millet Friday wine 11,1915. Name crew and tools, continue No. th: Af 16595-80. set hut? At $16,234.90$ set hut: At 16381.62 Ret huck and tack for temporary conner to pecs 13,18,19 and. It. At 17781,3o set hub: At 18;5.3. so set hub t, at 19111.89 Ret hut and tack for temporary $1 / 4$ corner between Rectionol and 18, At 19309 Ret stake. And quit fol night. He o. WN. Miller.
 and Complass, accistes by Elmer it Atwood find the corner to Rect, 5, 6, $1+8$, and sections $4,5,8 \times 9$ of Jownshij1 1 , Mange 28; these are Corners as used by y the farmer: Sere: they have been he. established buy pome one spice goucinment survey: Baldwin and Atwood take aloe transit and go to S.W. Conner at section 7, (being comer to section o 7,12,13, and 18 on range line between Founkhij 141 , tenge. 28 and sal established buy Curs And which has the following new bearing trees as per County record
 25 E 8 2. 60 feet, white Pine stump $30, \$ 20020^{\circ} 103.82$ feet: A com en post pets in provide, correct For Course and distance, fut it io loose . We drive Auk hus and jut tack in enter from which we start random line North, on go varration. And quit for Night.
Monday Cetrber str,191s. H.7.Baluvin and elmer H. Atwood, continue North on range line from s. W Corner of pe. $7,7.141,7 \mathrm{~g} .28$. At 810 . a fart wire fence rune East and west: At 829.10 set hut: $A$ t 290 cross hart wire fence pearly North and Mouth: At 1636.10 set hut on East and west road, At 2691. 20 set hut: look for beaingtrees to lt corner between sections. 7 and 12, hut find none, Continue North: at 2800 enter whit bharal = At 2895 . leave same: At 3100 ret hut: quit for night.
Jubday October 19,1915. Baldwin transitonan, ales chaining: Atwood, An, liz and Chainman: Heeds Anderson ar and bush scythe: Continue North: at 26.5.5. We find old $1 / 4$ jot 40 fut East (distance paced) find winch roper marked with scribe sets $130^{\circ} \mathrm{W}, 60$ feet, paced: another od moper wite scribed and sets NE of post: there do not appear to be U.S. Government hearing trees: at 3631.80 N pet hut: $A t$. $399 \mathrm{~d} \phi \mathrm{bet}$ put: $a t=380.50$ set hut; At 46.50 .060 set hut: quit for night.
Thehusday, October 20,1910. H. F23eduvin, 女ransitmin, same crew and tools, Continue north: At 495250 set hut: At 5017.60 pet hut: at 5035 Water edge I smile lake, triangulate the lake: 5017.60 hut "A"" cause hut "s" to he set on North side of lake from which run East 100 feet and pet hut " $C$ ": angle at hut " $A^{\prime \prime}$ reads $17^{\circ} 30^{\prime \prime}$ " Angle at hut "Y>"reado 90" Angle at hit " C " reads $72^{\circ} 30^{\prime}$ distance hut "A" to "ß is 317.20 feet added to 5017: 日, 7 makes 5357.80 fief to hut "BiB."

 fearing tree $585^{\circ} \mathrm{W} 191$ linkobing 26.06 Leef diotant with the "B. T" Ynarke



 truce bine: hub 1636.18 N goer Exat 25.00 fect. Thiff 200 o goes Eactivo. 56 oft Fuf 2logl.2 ques East thizftolat 6.70 .15 fh Nosth, the $1 / 4$ conner urile qo Euet 4080 feek 5100 gues Eaek 4737 feet: 3631.60 goes East 5549 et 3999.70
 4952.50 que Eact 75 rifeet. Wue do inot pefthe correctilow hubo ow this line

 Urter edige. om ale lahe trianqulate lape to gett the divenuce acrovo:. Rub $100=$ Rub"A", caice hub"c" tobe sek on Each Ride of labe : transit at Hut "c", tocuo on hut "A" tourn $90^{\circ}$ to night and run north 100 fh and pet huch.""
 distance hetween Kubi" "A" anth "c" is 381 ta feet added to bo maher tstifo. Peet at 135 East edge gy watei in lahe: at 48140 hub, coutinue East with eicur becting brush..
 hueb: Ah1000E. wet Marsh: Ah 1080 leave Marsh: Ah1180.70 Ret hub. Qt 163 910 set huf: i A 200980 vethut on top is hile: . At 2585. E, we zind anold $1 / 4$ yout pets south abocitsofeet (dcotavee joaced) buk find us U.S.bearing trees : At 2597.70 set hub: Continue. butting line caxhavel Fuif far night
Frilay ectber
 at 353060 set hut: $A t 3400$ eross viagon road to Andersoniotomentead:
 Wieberti: $a t 5010$ set hut: At. 5152,40 Eact the true corner to pections 5, 6,
 for a yoost and the following bearing twes: White yeine zo, N $25^{\circ} E_{\text {F }} 10$ linko ( $=6.60^{\prime}$ fect) white peine $30,556^{\circ} \mathrm{E} 30$ linko $=23.76$ pect) white pine 24, 562 w , 67 hixps $=44,22$ fect) There hearing trees have heen re- Manked with Acrebe and as white poinc $30,5560=36 " i o$ bady decayed an other 18 inch yeine, 5 feet further aivay hasbeen marked (bame bearing). twe set border hy parogoskion fronithe old bearing trees after which the old

 bearing trees at this souner. RTaid as follows. White geine otub, 3: o vich, Thearo NOE $5: 10$ feet blaged with tache in center. . Is cbrrect the random line
 it is east from the corner to peceioni $5,6,7$ and , we ptark the erecvecting a-bin East and qiict for-night.



Twp. ItiN.Rg.29W. Sect. 1-12-13-24-25-36 TWP.I4IN.RG.28W.SECT.2-3-4-5-6-7-8-9-10-11-18-19-30-31

at 1329.40 set hut: At 1900 intersect road which runs to Varencon"s house: At:2031.50 ret hut: At 2170 road to Dongiiele: At 2179.50 E, rect a hut from which we triangulate a lake: At 2179.50 hint "A"Cauce thu "B." to bo set on East side of la ki: transit on hub "A" timon $90^{\circ}$ and run to left, Forth 300 feet and pet hut "C". Angle at " $A$ " is $90^{\circ}$ : Angle at hut " $B$ " is $27^{\circ}$ " Angle at the f " C " is $63^{\circ}$ : Distance Between kubo"A" and" "is 588.80 feet added to 2179.50 equals 2768.30 fut, At 2210 enter wet meadows $=:$ at 2400 enter lake, (blistance estimated) at 2580 leave lake: At 2750 East, leave wet meadow: At 2765.30 Rut: continue cutting line East and quit for night.
Thondiy Cetober 25,1915. Baldwin with aloe transit in one crew and
 Baldwin, while Buldiivin with big Compos look of corners. Keinrig and Atwood running East between kiss 5 and $8,7.141,7 \mathrm{gg} .28$ : Athos 8.80 set the: At 3169.40 set his "C" from which they triangle a propel lake boy setting Rut "A"on line across lake, and Fromm hub "c"turn angle $90^{\circ}$ to left
 'A" is 1301': Angle at "C" is $90^{\circ}$ : Distance from be "to "A" is 426.90 feet addled to $316 \% 40$ equal 5596,30 : Chaining East: At 3220 E, enter wet Marat: At 3596.30 hut over lake: then cut line East to section corner: E.B. Thant, trancitman, accicted by H.7. Baldwin and Hetids Divideneon, Go to range line and continue Hiders line North, be ginning hut 19111.89 and Thillevis stake 19300 North: at 19488.80 ket-huld: At 21965.90 set hub: At 21842.22 we intersect the center of corner to section 7,12 , 13 and 18, on range line between townships 141, সeanges 28 and 29 w, set by fonirw. Curs in 1913: Fuevdry October 26th, 1915: E.B. Horst trancitman, ales chaining and steeds pet by H.7 Baldwin from old U.S. Dearingtrees, and peart a ranlion line North between sections land 6, Variation 10030'E. At 617.70 North set hut At 959.50 set he ct: At 1890.60 set tut: at 2120.50 set hut: And quit for night.
 shark phourng: White pine $15, N 29^{\circ} \mathrm{E} 20 \mathrm{lk}=15.20$ feet: Norway Tine 12 , sine $i z, N I^{\prime} W 38 l k=25.08$ feck Baldurin jolace a hut with tack for the true conner: the distance thin to the oed bearing trees, proportioned is as follow: 13.20 U. $s=13.00 \mathrm{my}$ chain; 36.30 ft. $u .5=35.7+7 \mathrm{my}$ chain: $23.10 .2 \mathrm{~L} \cdot \mathrm{~s}=$ 22.74 ft. Thy chain: 25.08 ft U.S. Chain equals 28.74 fut 7 ny chain. Hick \#avirig with Aloe transit (running transit in place of paldurin) \&g E. It. Atwood with as and flag, continue East on random line beteveen sections 5 and $8,5.141, \mathrm{Pg} .85=$ At 3108.10 set hut " $C$ " then triangle distance across a lake cause hut "A" to be set on East nile of lake and from hut "C" turn $90^{\circ}$ angle to the right and rue south 100 feet and pet rect "价" Angle at hut $B^{\prime \prime}$ " is $79^{\circ} 00$ = Angle at hut "A" is $11^{\circ} 00^{\prime}$ " Angle at hut "C "is $90^{\circ} 00$ Distance between huts "A" and "e" is 514.50 fect aidel to 3708.10 equal. 42.22.60. at 2130 enter wet Thareh: At 4? 50 leave inarch: at \& 2 22.60

At 4960 enter wet Trash which we trianquente to get distance acrose Transit at hut 4897.20 marked "C" set hell "A" across lake on Each side: From the "c"turn $90^{\circ}$ angle to right and run South 100 fth
 Angle at hut " $c$ " is $60^{\circ} 0^{\circ}$ ' distance between hubs "A" and " $C$ " is $\$ 13,70$ felt added to 4891.20 equals 5310.60 to the over lake: Ah 5230 E, leave wet marsh: 5:310.60 hut: af 5300.70 feet east the corner to sections $4,5,8$ and 9 , Rets Youth $9.5: 10$ feet:
From the comer to section $1,5,8 x 9,7111,7 \mathrm{~g}, 28$, we start a line East on $6^{\circ}+5^{\circ}$ variation $E$ : at 15 feet vast cion farm road = at 660 enter wet inures: At 1000 leave wet march: balance of PN . Cut line East and quit for night.
Nedxecky October 231915. Buldurin, Atarriz and Atwood Continue east on random line between Rections fard 9, T.141, Te, 25 : At 124110 set hut; at 1917.00 pet hut: At 2360.40 ret hut: At 3000 pet rut: at 3526.00 set hut: ah 9069.50 set hut: At 72.00 enter Revamp: at 4800 leqveswamp: at 53.52 .50 set hut: at 5353.00 . Each the true corner to secs $3,4,9$ and 10, Rets north 76.50 fut: At this Corner X. S. Notes call for port and poplar 8, $526^{\circ} \mathrm{W}$ \& link $=26.40$ feet:
 of this the with the "B3.T" Thanh chowing: White pine $13, N+30155$-links $=$ E3.10 feet. We find the roots 8 this tee orly: From the litter two hearing
tres we pet a hud with tack in center for the twee conner from which trees we set a mud with tack in center for the true corner from which with a-kinker scribe by some surveyor: Baldwin starts a new raw dom line East at 6045 variation E, running between sections 3 and 10: At 00.30 cist ret hut: at 827.60 set hut: And quit for night.

EB.Howt with KAE. transit, assisted by Anderson and Anderson, Continue their random line North between sections 1+6, on range line Thun 141, 2090.28429: At 2359.00 set hut: at 2640.00 set hut and lode for U.S. behring ti /t corner whercik.s. notes call for poet and white pine $25^{\circ}$ mich, $156^{\circ} \mathrm{E}, 14$ lek $=9.25$ feet: White pine 20 mi nh, $156090^{\circ} \mathrm{W}$ 74 links $=48.84$ fut, we find the 25 finch white penne with the " 3 " ${ }^{2}$ nair chowing plainly and the pimp is the 20 m d wii. tree fret the marks are all rotted Mf: Stumps check for course and distance and we drive a scicere hut for true 't comer, at 2629.00 feet north the $1 /$ coiner just set between sections 196 keto east 88.30 Recti We only take the Theadurement to this \# corner and continue our original trankit north: At 304 :00 pet hut: at 3 382.80 set triangulation haft" "A" set hut "ß" on hive on North side of "lAke, then walk around lake and pet transit on hut " $\overline{3}$ ", tack sight to "A" turn telescope 90' to the right and run West 57.40 fth and set the " $C$ ".
 is 459.90 feet added to 3382.50 equips 3822.70 to hut over like. At 3470 enter lake: At 3.00 leave lake: at 3822.70 hut: At 4183.60 hut; at +963.40 set hut and quit your night.
Thurdiy Qotober 2 tob 1915 proves and sine crew continue Mouth fetweix tees 196: At 5250 set hut and look for bearing tres to conner

If Rections $4,6,31$ and 76 , being the township corner to towniahipo it and
 Foop follow: White Bireh binch, $545^{\circ} W_{1} 23$ les $=15.18$ fect. white acieh
 White bak $18,520^{\circ} \mathrm{W}, 18 \mathrm{lk}=1188$ fect: We find both eak bearingt trees down-hupplainly marked, bath-birch ptumppo are ptill here incet the sap wood bearing the old marbo har rotted avay: the ocd yoovt 5 inch x 5 meh $x \neq f e c t$ ptill standi athtuepoint for carner tuct is almost rotted off at purface of ground. We drive a $21 / 2$ inch buy Afook iion pigee, capped on to p, 3 fect into the pround to mank the towinship corner: and mark kev bearingo ao pbelovo: Poppear 7, N. 15:
 38.00 feek. This corner seto in heavy-buch onsmall ichand surrounded buf weit marsh.. Weretcirn to hut 5280 N , and continue hine North to
 I17 Baeduin trancitman, using bing compars arsicted by W. Alom in one Crew, while Nick tarig rums Alde trdncit in baldecinoplach, Apsisted bu Elinew It Atwod. Saedurin eorrecto the live hetweer kecticons 5 \& 8 , ,
 foot it is east. Set $21 / 2 \times 48^{\prime \prime}$ Lron monurient fov eornero to $5,10,7,8-141-25$. tult 54.3.70 goe. Narth 9.75 fect to true line: Theb 1329.40 qoen.N 23.84 feit:
 26.50.3., wer run North 47 , 55 feek hetween setetion 5 and 8 , where we set an iron shonument $21 / 2$ hy $4 \delta$ inchesin pige for the true i/t cornen the
 Fect: hichs169.70 goes houth 56.t7. fect: Nict 5596.30 goes Thorth 6 a. 51 feet:

 Ohmument for Cor to $4,5,849$. Abrig and Atevord ehaining East tetween

 Maret: At.2900 leave Dhash: At 3000 pet hect: At 3100 inter puaroh: At. 3275
 \& 200 farm rocid, quitfor night. Iriday letaber 2 , $19 \%$, Daldurin, tarig, Atword and eleon Iontincec
 Where we offret Nouth oo fect kh oio to avoid a weh marah: at sololo so Eash set. a hub Where we offeet hack North 89 . fect. At $90^{\circ}$ then contincue Easit: Ut. $51+0$ enter Marah: NA. 52.30 Leave Marah: 1015407.10 pethut where we offe set fack North 11 feet to tuing Noon original eourse $\bar{g}$ raiidow hine Where we look ion bearingo to corner of pections 2, 3,10 and 11, T1F1, Mg: 28. We gind the white Cak, \&overnment stake at this Corner and poch in ito
 dom line. Let540710. the trice corner to neco,2,3,10q11 seto North 9740 At. EB tanst, K. E trancit, Heldo Indereon-flag and ehain, Mide with os ondemono team to s pointwhere the range Line intereceti a logging road, -hecing uked
fou wagon ra ad．This is the red raiboob grade and erooces the
 and where beorge C．Nielianss according to our orders has delivered
 Ry：29．We take thru op（th ene iron a and walk Louth along the Henge line to the caner 务 pec $2-5,31 \% 36$ establiakel thy County， Aurveyou，Duro Un find tho wad posh which vegoulh up aud pout in ito place a $2 / 2 x+8 / m i c h$ iron monument sapped on top and petchree feet into the ground for the true earner．this corner is only a kew rondo NE $T$ Frank kindle＇Mouse．The Find an iron monument ot The－ Finkilis place the wi leave it there ad we all ready have to puck to carry． We wack half a mile Nowt on the cutout range tine where wa find a hub retry Thiller at 8190－83 ．north We pull us this huband pent in its po lace an icon Monument $21 / 2+48$ inches，lapped on top for the true $1 / 4$ cor． between Recon． 25 and 30, From which we mark d kewbexung as joclowo： White Birch $4, N 68^{\circ} \mathrm{W}, 2020$ feck．Rotation $10921 / 1 \mathrm{~N}$ Wing the point for the true section corner to section 19，27，25－950 fuel in lake．Howl
 black a $2 / 21+8$ inch iron－monument capped on top and bet on the true
 Poplar $4, N 10030$ E $50-3.86 \mathrm{ft}$ ．We Noah no．the along the range line tu Station $136051 \%$ where we pet the trice $1 / t$ Corner Aetiveen hectional9 1 27， and drive a $21 / 2148$ inch capped ion monument with no tearing trees． We follow the range line north to station 16381.67 ，where wi yeneethe true conner to sections $13,18,19424$ ，Retting a $21 / 2 \times 48$ meh capped vow pipe uric hearings ap plows：White pine nag 30 inch es，$N 87^{\circ} E, ~ 12$ oof white Bird h b， $M 31^{\circ} N_{1}+7$ do ft 7 recount the Range fine Rot toptation $1911 /$ qq we refile
 which keto in North sic of Any meadoto as there are $\rightarrow$ bo kerning trees here we petalarg gard stake at this comer．following the range line $N$ to potation 2／842．22 Ring the True corner to Res $1,12,13918$ ，We pule np．the oakotake set ry－urs and pert in it＇place， $221 / 2+8$ neh capped ind n monument，all Wove ion thonimento are set on the true Range mine Letweex Imp． $14 / \mathrm{N}$, togo．


 tween eco $7 * 12$ ，retting road center and iron Phonuments．Hub $8 \geqslant 910 \mathrm{~N}$ ． Gros E 12.61 ft ：that 1636.10 N grue E $2.5 .0 .0 \mathrm{ft}:$ Fut 2000 N goes $30.56 \mathrm{ft}:$ At 267015 Ne nu i $E 40.80$ fth，where we Ret a $21 / 2148$ rich iron monument copped and pet for the true $1 / 4$ corner between sics 1 t $/ 2$ with cur bearing



 Lion monument capped on top for the true conner to sections，1，6，7，12，with New hearings as zocemos：Doper $8,52^{\circ} W, 83.50$ Et（standing at small lake） Poler $10,55 f^{\circ}+5$ E， 3290 fth，along this entire Smile we ped rub and tall

Retakes at each correction to. Thank the true center of the County road. Tue set toad centers going East between sections. $6 \times 7,71+1, x, 25$, at each Correction of the random line as Follow: Each huck ques south
 fth, to the line. Tub $636.40 E$ ques $524.99 \mathrm{fh}, 1180.70 \mathrm{Eqaer} 576.41$
 for the the $1 / 4$ Corner between sections $6 \times 7,7 / 71$, Dg. 28 , with yew
 44.80 ft , Haig and Atwood correct the balance of this line East, Touldurin keeping the notes. trig and Atwood correct the East half Thick between sections $6 \times 1$ as follow: Ah hut 25.9.7.70E they chain South 102.10 ft , where they set a road center stake and set road center stakes for the balance of this half mike as followup: at hut 3075.50 E Chain South 120.86 tho: At 3530.60 E Chain south 130.91 ft. At 4137.70 E run south 162.62 ft. at 5070.00 E chain south 199.25. At 5152.40 EChuin 5202.05. ft; where iron Monument hes ten placed at corner to $5,6,7 \times 8$.
Baldwin, taring, Alow t Atwood, go to the while between sections 3Y10, where they correct if as follocvo: 100.3 geo N 1170 gt., 827.60 goes $N 13.96$ ft., 1125.30 E goes N $18.98 \mathrm{fti}$,17.80 .50 E gree N 30.03 , 2306.60 Gree $N 38.90$ fth, 2703.50 Goer $N A 5.60$ fit y at 2756.70 the thee $1 / 1$ cor bet secs. $\overline{3} 10$ sets $N \neq 6.30$ fth. to iron monument., tub 3000 E goes $N 51.00$ ft., 3787.00 goes 166.10 ft. At 5707.10 E the true conner to sections $2,3,10 \pm 11, T 1 / 1,7 \mathrm{~g} .23$, keto $N \cdot 97.70 \mathrm{ft}$. Where there is an iron momumaint Baldwin and ztarig with compass and so foot metalic tape correct the pile between secs. 479 as Follows: that 600 E goes N 8.57 fth, 124110
 2176.50 E the the lit eotruer sets 138.25 ft , where we drive a $21 / 2145$ inch capped ion Monument 30 niches in the ground for the trues it cor. tet. secs $4 \times 9,171-28$, Continue correcting East., the b 300 E goer $N$ $42.87 \mathrm{ft}, 3526.00$ goes 150.38 th, $4069.50 \mathrm{Egeco} N 58.16 \mathrm{ft}, \mathrm{NA} 5353.00$ E the true corner pets N 16.50 ft . Where we drive a $21 / 2+48$ inch Capped iron pipe 30 inches in the ground for the true corner to secs. 3,4,9+10, $1141, \mathrm{Hg} .28$. 12 irons monuments are left where the range line Crosses the main wagon road on old railroad. grade, near school truce, about 80 get Mouth and 4 . feet west of the crowing. Kurveyel...

Slurvey-RECORD-N. 279
TWP. 143 RRG.31. SECT. 13-14-23-24
Field notes of the survey in the following sections, and establishments Throw Monuments at corners to same, as pevoryed by John W. Curs; County purveyor, Cuss County Minnceota.

October 8,1916. As we are on our way to Sugar Point to Make a envoy Ha county road, And as The. Fisher offers to ta de us oven free of charge, we offer to ascist him an hour, by establishing a cones anil running e ferris lines in the above sections, on our way yeast squaw Point.
fohn Fr. Curs, transitman and checking the chain. Aloin, Nowate, Harold *. Curs and Frank J. Fisher, Flog, as and chainmen. Tue use a big sight compass and 100 foot steed tape. Leave the launch on the point and wack a mile or so North to the corner to sections $15,14,23,24$, Tounshijo $143, \mathrm{Mg}, 31$, Where $\operatorname{X}$.S. Notes call for a poet and the following bearing trees:
Norway pine 10 inch, $N 2^{\circ} \mathrm{W} 54$ links $=150.64$ feet: Hov. pine 12 inch, $543^{\circ}$ E, 26 link. $=17.16$ feet: Now way pine 8 rich, $56^{\circ} \mathrm{W}, 269$ links $=177.54$ feet. Norway pine 17. mich, $N 2^{\circ} 30^{\prime} E, 617$ el ink $=407.22$ fut. We find the NE tree standing grep and plainly marked and we fins the stumps of ace the other tree plainly twerked from Which we sect the corner fry flat chain from face of the B.T. Mark. We first set a pin for temporary cord buy fat Chain from the face of the NH and SE Ntumpo: Hen going to the NE tree in Rec. 13 , w chain to the temporary corner 407.22 feet, then going to the SN B.T. ot ump we chain in the direction of the temporary corner 177.54 feet, and find the distance between the $N E$ and $\operatorname{si}$ trees to bee 1.90 ft. short. $407.224177 .54=5-84.76$ ft. U . s. chain $=582.86 \mathrm{ft}$ shy chain hing. 003 g 5 of a jook phot per foot. 171.54 X . s. chain $=60$ of a foot shot and is 176.94 ft . Thy chain407.22 Uss. Chain $=1.30$ of a foot short and is 405.92 fh my chain. We thrive a $2 \times 48$ meh fouler tide ion pipe it full length in an 18 inch mound of dirt after which the old hearing trees stand as follow: Var. $8^{\circ}+5^{\prime}$.
Row way, pine tree $N 4^{\circ} E$, in sec $13,405,92 \mathrm{ft}$, Nov. June ot ump $N 3^{\circ} 30^{\circ} \mathrm{N}$, in sec 14 , 35.64 ff , Tho v. pine stump $57^{\circ} \mathrm{W}$ in sec. $23,176.94$ ft, Noway pine plump $5,42^{\circ} \mathrm{F}$, in sec. 24,17.16 ft: : The NW, comer pooch of a wire fence sets lust 1.20 ft. to the center of jest. Fence hears $52^{\circ} 30^{\prime \prime \prime \prime}$. Var. $8^{\circ} \neq 5$. We start a jeickett line s. bet. pecs. 24 and 25 and set a stake about 30 rods south and cut a noted in top rail of pouch fence, so that if the stake gets moved, Mr. Fisher caw line the Notak in fence. with true Conner and cut pickett lines. Mr. Fisher takes unite Klein fudyi place on Sugar Point, where we stay over night. Surveyed October 8,1916. Recorded.-


SURUE 1 -RECORD NO 280
Plat.
Twp. 139. RG. 25W.SECT. 10-11-14-15-18-19-22-233


## SURUEY－RECORD－280．

## TWP． 139 N．Rg．25W．SECT．10－11－74－15－18－19－22－23．

Field notes of the survey andestoblistiment of corners in sections 10－11－14－15 －18－19－22－23，Twp．139N．Ronge25W，5k p．M．Cass County Minnesota，ais surveyed by and under the direction of John W．Curo，County Surveyer of Cass Coupty Minnesoto，assisted by M．A．Temp，Deputy County Survequr．
Fugust 26，191台 M．A．Temp，transitman，h．$\neq E$ ．transit，with 300 foot Chicdqo steel tape－plump－bob chaining．After waiting over Sunda4 in Pine Tiver for part of m4 surve4 outfit which was corried to Brainerd，／started at 2．30 A．M．with William Andrews and drive to Beulah Township．Had dinner with W．J．Stratton and started work in PM．with W．T．Stratton and T．C．Stratton helpine．Set on corner to sections $14,15,22,23$ ，Tivp． 139 R⿸丆⿰丨丶⿵⺆⿻二丨力刂 ． 25, previausly estop－ lished by Curo．Itook the following bearings at $8^{\circ}$ Cariotion：

N．E．corner of school－house bears $5.26^{\circ} 38^{\prime} \mathrm{W} .160,20 \mathrm{ft}$ ．to corner of foundation in section 22．Stump．of Curo＇s bearing tree stands N．41019＇ 14.35 ft ．Tun N．on $7^{\circ} 30^{\prime}$ Variation．Ot 830.25 huh；at 1320 huh；at 1718 East and West road； 1900 enter open bog；at 26.25 .70 true $\frac{1}{4}$ corner between secs． $14 \neq 15$ sets 4 ． 12.60 ff ．The Government notes at this point cilll for post and：Y．Pine 6，5．38霍． 181 lints（ $=119.46$ feet）．Aspen 7，5． $20^{\circ} \mathrm{W} 243$ linfs $(=160,38 \mathrm{fF})$ ）We find the SE tree standing plainl4 morted and＇set a $4^{\prime} \times 4^{\prime \prime} 48^{\circ}$ hub for the trw $\frac{1}{4}$ corner and took the following hearings to tacks in trees．At $8^{\circ}$ Gariation．

Old SE tree bears $538^{\circ} \mathrm{F}$ ， 119.46 ft．distant．A new bearing tree being yellow pine 8 inch bears $516^{\circ} 20^{\prime} \mathrm{E}, 143.70 \mathrm{FF}$ ．Orernight with w．S．Stratton

Ma．hemp．
TMesda4．August 27．1912．Mif．hemp transitman with W．T．Stratton and A．Olds helping．Beginning at the new $\frac{1}{4}$ corner just set betw．secs， $14 \neq 15$ Tupp．139－25，run N．on $7^{\circ} 30^{\prime}$ Cariation．It 650 leare bog；at 746,50 tock in lop；of 1124.15 tocr in loeq；of 1433,15 tack in loeg． at 1960 tack in log；at 2516.65 tack in log；at the corner to secs 10－11－14－15，
 16 lints；Aspen $4550^{\circ} \mathrm{E}, 18$ links；W．Birch $8512^{\circ} \mathrm{W} 35$ links（ $=23.10 \mathrm{FF}$ ）WE find the burnt stump of the S．C．Tree and the fallen hody of the tree．Quit for night．

Gednescla4．Aupust 28．1912．It rained in the morning．In the offernoon，Stratton，Olds，Temp，set $44^{*}+4^{\prime \prime} \times 36^{\text {h hub and tack for the section：}}$ corner to secs．10－11－14－15 Twp．139－TPe．25，with new beorincs as folloms： $555^{\circ} 30^{\prime} \mathrm{W} 32.70$ Ft．to tock in $10^{\prime \prime}$ Maple； $536^{\circ} 5^{\prime}$ E 32． 10 Ft．to fock in 8 incp White Birch；$a t 2665.80 \mathrm{~N}$ on our Random lime the corner $u$ ust set is E5．2．60 FT Set over new corner and find the rotted roots of the old bearinob trees correct for course and distance for the old NW and SEtrees．We correct bacr on our line north half sections 14,15 ．Hub 746,50 çoes E 14.70 Ft ．Hub 1124.15 g．0es E 22.20 FF ．Hub 1433.15 q．ees E 28.30 FF ．Hub 1960 qoes E 38.60 Ft ．Huh 2516.65 Qoes $E 49.70 \mathrm{Ft}$ ．Correcting soutth half of secs 14 p 15 Hub 1320 goes $S 7.15$ Ft and $W 6.30$ Ft to the $5 \frac{1}{16}$ corner betw．sect． $14 \neq 15$ ．Hub 830.25 loes W4Ft．runs S．E．in Sect．23．old teorin＇t trees qene．M．T．Temp．

Thursday，August 29．1912．In A．M．：M．A．Kemp，W．I．Stratton，and ＂Req＂Olds，walked to the Westside of Twp ．139 $\overline{R e D}_{8} 25$ ，and hunt for the section corner to secs． $18 \neq 19$ but fail to find anu thing．
Dinner at Galdrop．In PM．chain halfamile End find the corner to seas．18\＄19 on Westside of Twp 139－25．Gor＇t．notes call for post and Pine 8，N72 OE 223 lints（ $=147$ ．18F\％）：Pine 8， $512^{\circ} \mathrm{E}, 304 \mathrm{linth}(=200.64 \mathrm{Ft})$

by courses the distance bet．the Wand SE trees is 21 of a foot
too long and the distance betw．the NE．and SW trees is 1.88 Ft．
too short．We set the corner by proportionate measurement putt ing in $04 \times 4 \times 30$ inch hub and tack for the true corner after which we took the following bearings：Old B．T．Stump S $86^{\circ} 40^{\circ} \mathrm{C}$ 95．63 Ft．Old B．T．Stump $N 46^{\circ} 08^{\prime}$ as 62.40 Ft．Old B．T．Stump $510^{\circ} 30^{\circ}$ E 200.50 Ft．（tack）Old B．T．Stub $N 73^{\circ} 53^{\prime} \mathrm{E} 146.47 \mathrm{FF}$ ．Tact in White Pine 10 inch，$N 53^{\circ} 25^{\prime} \mathrm{E}: 161$ Ft．Over night at Woldrop＇s．

M．A．Tem分
Friday，August 30．1912．with Kerip，transitandahain，Stratton chaining，Old and Jasper Waldrop cutting brush．Set over West corner to sec＇s 18申19，139－25 and run East on 8006＇Variation．At 679 set hut． Quit for night．Over night with Galdrop＇s．M．Q．Kemp． Saturday．August 31－1912．Continue East．At 1200 enter Cedar and Ash swamp．Ct 1937． 90 tack in log；at 2669 the $\frac{1}{4}$ corner betw．sect． $18 \neq 19$ sets N 41150 Ft Gor＇t．notes call for post and Tam． 10 N30年 69 lints．Ash $6535^{\circ} \mathrm{W} 50$ lints $(=33 \mathrm{FF}$ ．）We find the Cot standing green and plainly marked and set a $4 \times 4 \times 30$ inch hub and tach in the swamp for the true $\frac{1}{4}$ corner at $8.06^{\prime}$ Oar．
Offer which we take bearings as follows：Tack in new blaze on old Ash B．T．bears S35 0 $5^{\circ} \mathrm{W} 32.60 \mathrm{Ft}$ ．Pinch Ash N． $42035^{\prime} \mathrm{W} 30 \mathrm{Ft}$ ．In after－ noon we correct back the West half mile of secs．＂18\＄19．Hub 1937，90 does N 30．13 Ft．Hub 1166 gees N 18.13 Ft 677 goes N． 10.56 Ft ．

Miff．Hemp．


## Survey-Record No 281

## PL円т

TWP.139-RG26-SECT.13-14-23-24


Wewalted ahead $\frac{1}{2}$ mile and Thompson showed zs post for the corner to sec's. $13 \neq 14 \neq 23 \neq 24$ in floating bog. We quit for night and wails back to Strottons. M Githemp.
Monday,. September 2.-1912. Station änd Hemp walk to Waldrop's and with Galdrop to help set transet over 4 corner helw es. Band $24-$ 139-26, just established and run West an 8030' Tor. At 298.60 tace in log at 550 meadow; at 900 small island, at 1000 leave islandienter meadow at 1200 leave meadow; at $1335: 20 \mathrm{hub}$; at 1950 enter bog, int 2019,50 tach in log: over which we sex transit and"put hut" $Q^{\prime \prime}$ (being tacrin lo\&) across pond turn $90^{\circ}$ anile and set hut "B "to the right 150 Ft. N. set transit on tub "ß", hock sight on hub 2019.50 and turn 8102'30 to hub " $A$ ", distance from:tuh 2019. 50 to hut "O "is 994:47. Ft added to 2019.50 = 3013. 97 Ft. to huh "O'" Set transit over hub" $C^{\prime \prime}$ "and seta hut at 2998.97 , chaining Gest, at 2050 enter open water, at 2625 leave same, at atiat 2650 a state set bu some cruiser for the temporary corner to $13,14,23,24$ sets Nobout 75FX. we hinted for the bearing trees and not being able to find the same decided to continue West. Over night ax Galdiop's Tues day, September 3: 1912. Some crew, continue Westithemp and Station chaining; at 4167:40 tack in log; at 4311 old Na and SE rood;
 set hub on line across lake being hub"B"on Gest side of Crootred hoke on water line; at 4960 ed oe of. lake, cross lake in boat and from " 3 " boctrsight on "भ" "turn $90^{\circ}$ "to left and set hub "C"/33 Feet North; set over hut"C backsight on "B"and turn $77^{\circ} 38^{\prime} 30^{\prime \prime}$ to ${ }^{\circ} F^{\prime \prime}$; distance between A and $B$ is 624. 38 Feet added to 4855.80 equals 5480.18 Feet; at 5582.68 West Meander Corner No. 38 set bu Curs in 1909 stands. 74.80 North; the bottom of CurD's stake still remains but the top is burnt off so we set a new stoke being oak $4 \times 4 \times 24$ inch with Tack for true M.C. As the Birch bearing $\$$ tree marked by Cero is down, we mark a new one, being Elvin 12 inch $N 30^{\circ} \mathrm{W}$; 29.10 Feet. From the $\frac{1}{4}$ corner between Sections $13 \neq 24$ T139 PR, 26 to M.C. No. 38 on Westside of Crooked Lake. 5821.20 feet LI. S. chain. and 5582.68 Feet my chain, we correct line os follows: ave make no attempt to establish the cornier to sections $13,14,23,24, T, 139$ T. 26 as no one hours of any corners closer thin two miles North? or South to be found. At. 4374 we set hub and stake marked" True Line": "Round Center 58.40 Feet Worth on Westside of old road near Crooked Lake. 4167.40 goes North 55,40 Feet, 3491.80 goes. Worth 46.40 Feet, 2998.970005 N
 position as to East and West for the true W' $\frac{1}{16}$ between sec's. $13 \neq 24.298 .60$ goes N 3:90 Feet. - Sept.4-1912. Same crew, we went bach over line corrected yesterday which we found correct. Meockiam drove Stratton and Ito. Strattorisand then drove me to Outing where / had supper and spent night with Mr. W.andreus.


## Twr.139N. RG.26W. $5^{\text {Th }}$ P.M. <br> SEc's.27-28-29-30-31-32-33-34.

Fiel notes $\frac{1}{}$ the survey and extathidment of inow cornens in sections $27,28,22,50,51,52,05$ and 5 th, Lomalif 139 N, Thange $26 \mathrm{~N}, 5$ th P PM. Cas County Thinnuote, as curveyed thy and inder the divection of fokn |r.eurs, County Surveyor, assiated hy E.E. Ttout, Byputg

 auto with o. whitrey to Outing. Qver night with J.N. Waedrop, who lives on Sovernment lot 3 , nec. 2t, Fuop. 199, J2, 26, on Weat sile o Crooked dake therowo and on act Ride of new Dtale Itighovy numbers Friday September 29,1916. Ho ocet with new qurly trancit and 300 foot chings otrel tape. Houct thansit and chain. Henvy hocker fory and chim. Sobo boty and f. Noedrop aymen. We byin surve of a townish rod to rhn from S.R. Atighoay numbu - weelt to the Crdoked Aake kerkowo bidige, try the most prastical route to the $1 /$ Comer on Douth pide of pection 27-199-26, thence wect on true pection line tetiveen neotion 21 dnd 34 , sections $28-30$, seds 29-52, to 1/ corner botween rectimo 21,32, thence louth thim eenter o8. pee 32 to $1 /$ comes on 5 pide gree 32 which in on twop. line, alss connty line, bet. Cur and Crow wing Counties. Dovil to connest with Emily Road at tho poinht To locate the rection line 9 - begin a random line betwien sece. $27 \times 82$, at the If cornen which check and find to de coriect vith us. sinteo and curai noteo of previou survey. stumpe of both U.s. B.T.s. Ditill remin peninly marked. TRun whet 80 $^{\circ} 0^{\prime}$ varintion between section 21431. At 214 set thit: surface rolling. At 1351.50 set thet: At 2660530 set hiet: and look for the coner to secte 27,25,33 and 34. T.139-26, where uts. noteo cale for poot and: White joine
 $16,5550 \mathrm{~W} 22$ linko $\left(=14.24\right.$ ft. W. .uice $20,522^{\circ} E_{1} 48$ linko $(=31.68 \mathrm{fth})$. We find nothing now tut wice look leter after rimning our lines to come bother comero. Continue random weat. at 250.5.80 theh: At 2985 East bank PD mule lake: we peted tape acroer lake at pouth end: At 1808 woot hank Of lake: At3224nuil in log: at3758 croso wire fence: 3570.80 pet thet:
 Siturday septimber 50,1910 : Rame eretw continue weat. At iq if enter sevamp. 5204 leave kwamp: 5300,20 set hut and look for it conerv bit sees 25 and s3 where U.S. notho call Por poot and: Yellow pine $18,565^{\prime} \mathrm{F} 5^{\prime}+$ hinko $(=53.64 \mathrm{fh})$ White pine $11, N 60^{\circ}$ W 82 hink $l=5-12$ fli. Find ho thing, all pturmpo tadly birnt. contimue west. at 5631.60 set huct: $58+8$ enter avaimp: 5911 leave pwamp. 6954,70 pet huts 1216 set hut on high hile: Guit fir night. E.B. Howst. Thonday october 2,1910. Ftowt trancit and chatix. F. Oumher Ape fley and Chin K. Wheerog goes to look for men. Continue meet. $7+500.20$ hut on hile $=1867.60$ set lut cat of urie fince ruming $N Q$ s. Sook for comer to Nees $28,29,32,33$,

 Oo lho. $(=33,00$ ft.) we find a jooth set hy some cruier and white pine stump BNE, B.T phinly murked aed other ptinips chuk perfect for Cource and dictone but murks are brinct. Noet new $5 \times 51+5$ inch oak poot for
true corner and trike new hearing thee scribed with took in face be
 82.80 ft ., 9 pet transit veer huh, 18.4 .60 W and turn angle from rand em line to section coiner NE Anglareado $103^{\circ}+7^{\prime}$ diecance A. A. oo pt pane of $13^{\circ}+7^{\prime}=22.70$ ft. Next Corine of $13^{\circ}+7^{\prime}=91.30$ fth N. $18.6 \pi 60$ added to $22.48=$ 7890. At station 7890. 0.0 H conner to sections 28, 29, $52,53,7139-26$ seton 191130 ft. In P.M., I.N Waedrop and Wiehim Robinson join usiand 9 start a Landon line m $8^{\circ} V a r$. ind rum west the $29 \times 32$. Note: All new hearings this survey taken at $8^{\circ}$ var unlew othervive dental. Es. Tho stat. Hevdiy oct. 3,1916. Hoist transit, th. I Dickerson and terry Luecher-ehainmen.
 set the: 583 enter Ruvanj. 6.58 leave peary: 8.59 .50 pet hut: 1074 enter sump: 1232 lecce puaryp: 1731.60 set hub: 2085.80 set triangulation hut: 2278 sash Rink of lake: At 2085.80 being het"A" turn $90^{\circ}$ a ingle to left and run 8737 ft. ant Ret hit "B"" Set hut"C"Croor Wake: Retting transit on "B" Anckiight on'A", turn Angle to hut "e" which = 7.2\%5! F erose lake to hut" "C" where angle reads ios" finance tet hut "A and "C" is 731 ft added to 2085.80 equals: 2816.80 . To hut over lake.. We return to station 26.31 .75 W where we look for: tearing trees, where

 at 5073 inter champ: 5210 leave: pang: 5250 pet hut, and look for coiner to 29,30,31,32,159-26, where X.S. Totes pal for a port and: W. paine 27, N, 790E,433

 the the bearing the probe marks as the thees all check for Coccrees and distance percept SE stump which is about 20 fth to far away and which 9 am not certain was an old t子.T. 9 oct the comer from the face of the other stump setting a $1+1+188$

 Q set transit on the 528 s Wand tun angle fro ix random line to section Coiner, SE angle $=26^{\circ} 30^{\circ}$. The distance to corner $=58.80 \mathrm{f} \mathrm{\%}$. At petition 5262.10 W the corner to cess $29,30,31 \times 3.2,7.139,7,26$, sets 534.40 ft. We return Each on random line $1 / 2$ suite and at station 2651.05 ft w on W tank of small labe 22 p . From water edge, we chain from random line, 17.20 fth and set $a 4+4+45$ inch Now nay pine post for the true $1 / 4$ comer between $29 \times 32$, with bearing as follow: Nor. Pine $10,562^{\circ} 20$ IV 40.60 ft $n_{0}$ other trees. Quit for night. Esintorott.
 chain. Robinson and Hedlervor Axeman. Wu go to s. side of lake near 'f in ce $S$ ot $1 / 4$ corner bet: secs $29+32$ and set a hut: backsight $N$ to $1 / 1$ comer and turn la $90^{\circ}$ angle and cut base line sash 480 Sh to get distance across lake, and set hut "C" over which 9 set transit, backsight to the "B" read NN angle to the "A" at'/' conner which is $76^{\circ}$. Tangent g.760 485 ft base line squill $19 \% 5.20$ ft dist acroen like, to pict "B", veer Which 9 set transit and continue south. et 213.7 set hut: 2690,20 set hub: 3709.70 set hut: 4926.50 set hist $=5160.60$ sethut: and look jor tearix go to 't' Coiner on frith side of 32, T.139. 26, on Flop line, asa on county line bet chs and Crow living Counties, where 4 s. Notes


Call for post and: White pine $28,544^{\circ} \mathrm{W}, 180 \mathrm{lk}(=118.80 \mathrm{ff}$ ) Wi rice $28, \mathrm{~N}$ $67^{\circ} \mathrm{E}$, lo Tl. ( $=70.62 \mathrm{ft)}$. We find stump of sw tree plainly marked, ales oturnpo of the $N E$ tree, which $s$ hunt within a frat of the ground. Stumps check perfect far Course and distance. -9 set ba $+18+36$ nat pine port driven alI ft, into the ground from which, W. zine
 no other trees near. I pet transit on he et 5160.60 and Dight to is cor. Which recto $8270 \mathrm{~W}, 15 \mathrm{fth}$ thing 14160 fha $s$, and 6 o fth wet. IN 1. 60
 Correcting book, Retting road centers the correction is. 01758 w for each forth : 5160.60 goer 1101.31 ft. 4926.80 goer 1505151 ft. 3709.70 joe

 Correcting the line bet peso 291952 FIr mile. Correction $=.006597$ of a foots for each foot $m, 2080.80 \mathrm{~W}$ goes $5,10.68$ fth 175160 w goes 511.56 ph,
 - Thursday october 5,1916. came crew Look far dearingo at can. to 2\%25,

 figured from this quarter pootito the sw comer \$ cere. 28, 1 tum a 90 M. . .no. 16 , where $\theta$ find a pooh set thy , vome-one: cancel foin course and distance from hearing called for in the kith notes king," wow way
 Thank two new bearings without eozinceo ding, Nov. quine 12, NE.29 H1, Now. paine 22, Nr is. 8 oft glut fou night. E, N. Hort
 are. Theyinning at cation 2630 W .0 f it tech $27+3 \mathrm{t}$, turn NW angle $90^{\circ} 04^{\prime}$ on random hie and rue witt. $27 \times 2 \%$ at $2668 \%$ comer se to 132 ft we return to hut at be ginning of this line and extablik conner to pections, 3 18,53434 by proportionate measurement. at 2630 w the coiner gro $N$ of random Lune 9.97 ft. We correct line and ret road centers heth sections
 bet transit over this hut and backsight East to pec. Cols. Righting wets we hut 327.00 ft. $w$ of corner on section hire and 53 ph. Egomale lake. Setting over this hut 9 turn angle to lgth $56^{\circ} 5^{\prime}$ and rum 287.70 Ch, and wet hut, thence to the right $48^{\circ} 00^{\prime}$ and rush 267.0 fth. and pet tet, frow which 8 rum to the right $44^{\circ} 3$ and mun 132,40 fth and at hut on the pec. line, $\$ 80$ ft. W. of the comer. Deflection angle to section line is $56^{\circ} \mathrm{z8}$ : Contivine
 Qak jot with new bearings hing, Med Oat $7,58^{\circ} \mathrm{w}, 45: 20 \mathrm{ft}$, Red dak ti 1
 Th, 4327.70 grep N. 81.27 fth, 4556 goes N84.01, 4720.20 goes N t6.581 Quit Yo night E, 3 . Strict
 and chain. ton 7. Reid and to kn Teed. apemen.
 North for each foot west, thetisotiso gro Nishog fth. tut 197 goes
 and find another hut. A estimate the distance from the $1 / t$ coiners Ito the lake ts he 1623.60 fth Correcting to $x \cdot s$.pent 1 pet hut h $57 t$ so e,
 set and tackeight to the t' comer andstart Ir th n 7. Reed and fou Red ed
 Toul to getting iron Thonuments Ec Mo How.
Thonduy October 9, 1916. Howe transit and chain, f:- Husker fug and chain d. 7 and fired Bremen we continue, hive E. Wet $21437, E$ of $\%$ comer at 574.00 Ret hut: for hut: 862 hut: $1315: 60$ E $1 / 16$ comer pet thy Curs with bervingtrees parading. At 148120 hut: 1610,20 fth $E$ an rel pot on lake shove set for M.C. - check sere with notes and find it to be correct, bee M.C. NoUs. We intersect center of oil pooh. no Colrections nececary, wed return to hut 401 just west of dup ravine and turn NE angle to the left of
section line $0+030$ and cut center line of rose, Northeasterly, west 8 ,
 ravine, as directed by H.. Pusher, form Doth, and chuiman glover Darky, member o of the Voun-kourd, At 60.20 seth eth: atrooz=0 selt-lut anil Thin to the right $67^{\circ} 0^{\circ}$ and rum line east at $8^{\circ}$ Var: : at $995^{\circ}$ fth E. PI of state Reval stighoay No.-, at PI. of STer, And Hoptoad o set a large Oak hut $4+56$ inches, driven 30 inches in the ground fist for night E.B. Anat Saturday Qctodes 14,1916. Benny Puecher district buteo iron inonumento along line going wast from M1.e.32, Heth secs, $27+31$, and on west 2 go to Outing and creel curs by telephone regarding U.S. Chain on pec line N. of M. C.Tho.T, to seeicon and find the fermat piet is correct 2 return and take some iron Momemento and west to Thee Decker. We ret $2^{\prime \prime} x+$ th iron boiler tube at the fillouring comers and mound same with stone and dirt Whore comer io not in road line. : We place irons at the following points, At U.S. MIC. 20.32 , and at the ens $/ 1 /$ comer bet pees. 279 of and at the $1 / 7$ comer bet secs .214.54, and at the comer to sect, $21,28,50487$, and at the I/4 comer Let. sees $27+28$, and at K.S.M.C. no. 16 , and at the $1 / 4$ comer the secs 25435 , and at the comer to section $25,29,32753$, and at the $1 / 1$ comer tet sene. 29+32, and at the comer to 29,30,31952, and at the $1 / 1$ comer. on
 Surveyed. 1 Recorded -aston. \%

SURVEY RECORD-283
TWP 139-RG. $26 \mathrm{~W} .5^{\text {TH }}$ P.M.
SEC'S. 13-14-23-24-25-26-35-36
fueld. Notes of the Ricrvey and establichment of iron eornero in pectiono ion,
 wovneyed by and inder the direction of Ookn W. Curo, County Lurveyon, askisted frig E. He Ftarat
 Dg. 26 in wirvey of toivnohip roadi, neww girley, tranoit and 300 for Ah Ricpag Reid and fohn F Yeed, Axemen. At a large jeoct in a fog vohich Nill Dotinain payp va lotablioked thy a puriveypr for the temporary corner os pections 3 , -14, (2,3,24, $7,139-26$, Tue heqin purvety for road to bheqingherc and necu south
 Sy loaking for the bearing treis to cabove corner 20. sinjteo ealel for peot



 payo a Conypar line. Tras rum s atso Var. And caine ouct to rodo tuect of the sedtion lone on S mide of Savreicie Lake. A eondente this informution and prin a raxdorr line sat $11^{\circ} \not 5^{\prime}$ Variction on a poartly bucinhed bine. At
 look for fearing trees to the $1 / 4$ eorner het pecs 23 t zt, where $2 k$ s. Thote.

 Nothing and decide ve areinot. Eorbing at the riqht polace as theot





 tame puiany $\therefore$ cuthatach 200 ft and quit for night Ets gorkth
 Qt 5491 dister taink evanup... At 6016 leave pame. 6124.40 Ret hut: 7112.6o sett






 Noine semi stunxpotuht none are heaining theco. Enstorot.

 bue ohein hect:S of lake marked Atation o.oo at Nateri edge:":


## SURVEY-RECORD-283

## PLAT.

TWP. 139-RG.26.SECT.13-14-23-24-25-26-35-36

set thy Curs sets. W 66.90 ft in center of $a$ road, where $g$ find a cast sled shoidriven at the Conner, we ales find sw and $N$ in tearing tree stumps. The SE was pulled in building the road. Streak the sleigh shoe and drive one piece at leach of the $u$ is sewing treed and drive a $2+48$ mich iron Toiler tube fovilhe tace Rec. Gov Shire are no trees hear for bearings. Tue return N. to hub $3 \neq 2.705$ of lake and on top of ridge and Triangulate Soke Sacorenee, Righting line west 4 fo ft to hut " $C$ "over which o set transit and wight to "B"'7627.80 across lake, and turn NE Angle to tut "A" at $3+2$. At, angle
 We return to the corner of sea $25,27,25,26$, look several hours for the fearing trees. We find atree cut down hearing a blage bret no scribe
 out and 9 also find a piece fearing the old B. Mark which io evidently the sE hearing tree. The twee Hearing the plage checks for Coarse and distance for the NW $P$. T from the face of these o set a
$2+48$ inch ion toiler tube for the true corner and mark nev hearer

 lack right on Random line, turin angle sE to section Comer. Angle read tho 10 to the left. Distance equals 214.00 ft At ptationivis3 3.40 S, the Corner to section
for night E B. Horst.
Friday October 13,1916. E.B. Horst, transit and Chain. It- Sieseher flag And chain; f.7.⿰eed, Amman; Having received buy mail from
 15-24 and 17-23. Gi nd that the post we were toed wat the sec Conner, vas a. large hub used thy Mo. Kemp in triangulating a joint East of the section conner: We again look for the hexing tree
got the true Corner and find the S.E. Tread, broken off and lying on the ground: The tree is rotten but still bears a jew scribe souks laue ale find stimipp of the N.W. hearing thee cut off below escribe marks: o pet a 2 thy 78 inch iron toiler the driven over a 10 foot tannarac foiling, driven into the pevanp for the true corner is section 13,17 , 23 24, T139, kg .26, with F. Tamarack stakes, standing $N E$, NW, SE and SW of the pion, and $\rightarrow 6.70$ feet distant for hearings, ale poet at $8^{\circ}$ variation. $A$ set transit over hub at north end of random line and tenn 90 from South to East, Ant at 328.00 ft. East, the true section Corner sets 7.00 feet Mouth, Kleducting 1.00 feet from 5353.40 leaves $53=6.70$ feet, which is the true length of the sec. line Lek secs. 25 and $2 t$ we pet road Centers bet. Rect $23 \times 24$ as follows: tub 591.90 goes 314.27 feet to true line. Hub 1744.60 S, goes Est 289.85- feet to true live, $A_{1} 2670.20$ south on randone hive, the $1 / 4$ Corner keto East 26695 feet where. we set a 2 buy 78 inch iron toiler tube, 28 inches into the qiomid, and set up a barge guard stake, fut 2970.805 goo east, 254.74 feet to true line, fut 3653.40

true line fruit for night E, B To cst.
Saturday Qt 15, 1916 . Horst transit and chair. Nueckw Avi, Feag't Chain pure go to the corrected line between Rect. 25 and 26 , news Lake at M. . . No. 8, to pet steel tape, and fy searching, finally find the NE Nearing tree to U. S! pheander Corner Number 8, for which We have hunters revet al time before: O go North to comer of sections 23,24,25,26, to get transit, and we set a 2 -by 48 inch iron files tube for the true M.C. 20.8 set from Nt ut of N.E. fecringtue and from stump which check o for N.W bering thee, and we Shark new bearing trees as follows: Nowevay joine $10,1750 \mathrm{~W}, 23.00$ feet., How nay pine $10 N 3+90^{\prime} E 14.00$ fut, 9 take transit to hut 7627.800 os' 'line and Turn from $S$ to $E, 566^{\circ}$ to M.C. No 8 , distance $=172.50$ fut, at station' 7767.60 M.C. 70. 8 Leto Each 101.60 fut., Corner to. Auctions 23,24, 25, 26 at station 5353. to on random line, rets East 2.05.90 feet. 205.90 feet, sinus 101.60 feet, $=107.50$ feet, 7767.60 fut, Minus 53535170 equal 2757.20 feet being length of section hive between sections 25 and $2, v, v$ of M,C, $N_{0}, s$. we pet road center o at station 7103.60 on randoms line, we set a P by 78 inch iron viler tube in center of State Rural Highway $n_{0}$. $\qquad$ 130.10 fut erst of randoin line the S.E. Angle to true sec. line $10107^{021 .}$ Setting road centers North 8 state rural Nighevay, hut o124-70 goer E 172.00 feet to true line, tret 5462,705 goes $F 200.38$ feet to the kine:
At M.C. No. 8 U.S. notes call for poet and following bearing trees: white pine $5, \mathrm{~N} 80^{\circ} \mathrm{E}, 15 \mathrm{lk},=9.90$ Sect; White paine $6, \mathrm{~N}+50 \mathrm{~N} 9$ links $=5.97 \mathrm{ft}$ Tote: All new fearing tres in this survey, are Ret at 80 variation $E$. This concludes survey for Crooked Sake Hop. I return to J.N. Naldrop's for dinner. E.B. Bow st

Surveyed Sotodur 10,1916 to Qet.15,1916.
Recorded:. October 31,1916.
County Revrveyor,
Case County, Divine Cases County, Mininierta.

## TOWNSHIP 139 N.Rథ. $26 W$ SECT. 27

Ifield noto oz the purvey of the partial Rut duvaion op pec p, zing. 139犯.26, Gass County. Thinesote, and the peatting gy the Lownopight in said pection as pivveyel hy and under the diriction of fotw Ne Cuno Couenty Burvayor 8 Caso eounty, ascioted by EB Ftowst, deputy County Surveyon. Thoubly Qech 16,1916 . We are working fou hit Andhews in the peaterg $p$ ivaid Fovondight. EsHorat trancit and chain. Wh. Andrews Ase and ehainh Sharle

 of the East $1 / 16$ eotnes on waid $/ 16$ hine, pec, 21, T1019-26, and aled huet 1500,80 on randron his. From these 0 gind eorrection hue on truce El/b line. Setting ver huf 942.409 Right $N$ to 150.80, Fiaverpe aleocope and eut line suoty 6 Corner on s side psec. 9 intercect the $/ 16$ coner at exact center. Ve return the hut 150.0 .80 ft. $N$ and produce the trive. $/ 16$ line $N$ to otation 2658.92, At this point 2 set a 4'x4yt pquare oak poot for the center of the E $1 / 2$ of sec. 27 with new bearing trkes taken by mearcurenert only. W oak 9,1 E 68 riso
 reev Fiop Toad inown as the woods road Intervection comes at ptation q0 610 It $N$ on $E V / 16$ line and 524.00 ft Wof point of interiection of otate yeural Tighway $M$., NE angle at PI of townohip road $=86^{\circ} \mathrm{zt}$. We valk Eash an Fomenip road hie to PI.gcurve os sirH and yeroduce center hine of Fwp. Hovi Ealong center of Atatereod to a point abouk t 10 fh E ow S.R N Civive,
 bow pex wall on W side of Crooked Side. I then seh traxisit on hut at sea wale, pightw and turn tileicope yourallel tolake ohore. 2 ehain $s$ aling
 Waldropha Loughta 2 acie lokN E F road limitodnd w M Charked Aake Aleducting no ft for roal on the Weile gilot, leave s ride of loth 558.91 ft long Quit for night. ©ver night with. Waedropis...E. B. Hovet tuedry ectover 17.1916. Hovet, Andreves and Waldrop working. Beginning at thit br seavale on $W$ pide of Crooked Sake ank on center hide gy mur. Siate Thighway and Trww Road, 2 Right wow center and twin angle from w to N 8to 11.1

 -acrops the 20.0 ft lot at angle of 74011 , and net 1 qus pipe 7 ft long at NE corver g vildropis lot we Chain 130.67 ft fron thit coiner along pame tive and pet a $2 \times 4 \times 3$ fth wood poct for NE Carner 7 Corbin's lot: Shain North too in2 th cetilot stake heing $2 \times 4 \times 36^{\prime}$ yoot, thence hoith 100.52 gh set lot stake: thinec noith jo 0,52 fti per lotstake at eidge of water - thence to the nigkt 21 30' and 1.03.87. set lot Rtake; 2-ft in water thence 10.0. 8.2 ft pet lot ptake ak edje of watur = thence 10.3 .81 fh pet lat etake 15 ft froni lake thence 10.3 .87 fth set lot otake (at 761.50 set hut) at 10.3 .87 ft Det lot stake... Fotal diotameve $=519.35 \mathrm{ft}$. We go to PI of Ntate Tord and Townshijo road aid chain E 33 ft and N 33 ft At angle 8 . $87^{\circ}+0^{\prime}$ and ret wood poot fow sw converiog o. Waldropi g acre lot ine walk $W$ topI:

TOWNSHIP 139 N. Rg. $26 \mathrm{~W} .5^{\text {TH }}$ PM. SECTION-27

$2 B 4-C O N T$.
of E $1 / 16$ line and Township road line, NE angle $=86077^{\circ}$ from the center of the road we Chain $N$ on $1 / 6$ line, 235,58 ft. Set 2+4+36 rich lop stake: thence 130.21 ff Ret lot stake $=$ theine 10016 set lot stake: thence 100.16 ft Ret lot stake:
 100.16 set lot stake: thence 100.16 set lot state $=$ thence 100.16 pet lot stake : thence 100.16 set lot stake $=$ Total distance PI. 11167.87 ff. returning to P. I. on E.1/16 we Chain 92.24 fth on Road center aud wet lon stake's 35.05 ft. At $9.3^{\circ} 16^{\prime}$ angle from $E$ to Louth, 92.27 bolus 210.70 ft. on same hive Furn $93^{\circ} 6$ to to Noicth and ret lat Stake 33.05 ft. on south road limit. We walk to the Ilo eos. on 5 hire of Rec. 27 and chair E. one pec. Live 9225 ft. and pet lot stake. Sop lives to extents in Rec $s+$ to Crooked Rake thru this point. Text lot Cover $=$ M.C. No. 3 . From M.C. Mo. 3 I 9 tacksight W. one Lection hing reverse telescopes and turn left $140^{\circ} 0^{\prime}$ and runsp9.to ft. then left $28^{\circ} 00^{\prime}$ and ruin 205.00 ft . to stake pet buy purveys, Enuctaon for lot Corner lo Harmer Clark's lot: thence to the right zs ow tnicteou'。 Course to his hub $\$ 66.40 \mathrm{fh}$ This course reno $N 70^{\circ} \neq 5^{\prime}$ 上. At $8^{\prime}$ van. Quit jo Night ESBHosch.
Widxesdny ect.18,1916. In A.M. O Check Calculations in yerterday work
with notes and calculate acreage. The instuinents wed in this with notes and calculate acreage. The instruments vel ed in this survey is a nev Gurley transit and 300 th. Chicago steel tape, fath belonging to Curb. In PM. Wig. Whitney takes me to pine deliver, wherethe the $3: 45 \mathrm{P} M$. train to walker! E.B. Foiznt.

Surveyed-
Recorded 7rov1,1916.

## TOWNSHIP 139 N. PG. $29 \mathrm{~W} .5^{\text {TH P PM. }}$ <br> SECTIONS: 2-3-4-7-8-10-11-17-18-19-20-29-30-31-32

 Minnesota as surveyed by John. Cine, County, Surveyor.February 13 th 1912 John W. Cero, worked all day in the office at Walker on field motes of 7139 . $\operatorname{Rg} 29$, and take night train to Pine Riven to meet the stage and drive to Twp e139, Tg 29 , to finish setting in on monument and jechajes run the County road throughedec 3, T139, Rg29. RR fare to Pine Rives 91t: ones night with be Eioeswhaw

February 14th 1912, jerry hotel hill \#1, and take stage to Mike smith: Pay Bill Burl $75^{t}$ stage fare ai id take dinner with Mite Smith.
O.M.: Mike smith tares his teams and driven uss to the now corner to sections $79,20,294040.7139 \mathrm{Rg} 29:$ Rube Smith and Lens Smith helping me as ax and chains men: Run olouth 4 '50' variation b ane cut out line between sections 29 and 30 : At 215.70 ret snack hie an top of hill: thence auer level land along East side of proved field: at 1 320 feet set snow hue: at 2398.30 feet set "snow" heb: at 2640 . set pin from which the twee $1 / 4 \mathrm{corner}$ between sections (29 )and (30)eets. 1. 30 feet South, and 5.08 feet wert:
at this point' U. B. notes call for a post and the following bearing trees: Black Pine $4,726^{\circ} \mathrm{VW}, 20 \mathrm{binks}\left(=13.20\right.$ feet) Black Pine 4, $5.20^{\circ} 30^{\prime} 6,17$ linter, ( $=11.22$ feet)
we find the stung of the $A . G$. tree, standing plainly marked, from which wu e set u. rod stake for the trine $1 / 4$ corner at $750^{\circ}$ variations, chained from face of figures on ald hearing twee stump e: Rue mark the following nevin hearings: gacic Pine 12 inch, hears $1264^{\circ} 33^{\prime} 6$ ' 50.62 feet distant: Sack Pine Finch, hearse $\$ 34^{\circ} 25^{\prime} 617.08$ feet dietant to tack header, Variations $7^{\circ} 50^{\prime}$
Correcting baches:
$2641: 30$, goes west 5.08 feet: Th 2398.30 , goes west 4.61 feet: Nub 1320 South goes West 2.53 feet. Tub 215.70 , goes west 0.41 of a fort.
From the twee (44) just set me back sight North an the

From the tue 44 just set, we back sight North an the tune line and run South: at 203.45 tack in stump: at 3.04 , 30 sedsenver hub: at
 white Bowch $7 \mathrm{~N} 27^{\circ} \mathrm{W} 19$ linker $\left(=12.54\right.$ feet) white Birch $8,752^{\circ}$ G60 linker ( $=39.60$ feet) wu e do mot look for the trees, hut drive a goval etake. Ald got in $1 / 2$ day in $P M$.

February 15 th 1912 Beginning at iron comer to sections 28,29,32, 33, T139, Pg 29, nun wept an $7^{\circ} 45^{\prime}$ variation between sections 29 ane 32: at 1320 feet set pin: at 1502.70 set "snow" hub in road center: at. 1521.30 set hub: at 2640 set foin: at 2651.88 set enow hubble for temporary Vet comer where 2 . \& Notes call for post and: Norway pine 24 \&
 ale-are gone and ne contisnecinerest at 3000 feet zest set pins at
$\mathcal{B}$
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3040 crass road which hearesiwaidine: at. 3300 set pin: at 34.83 .25 pet hech: af 3600 set piri at 3650 croes msad which heare Nu and de: at 3900 pet pein:
 hiek: at 4200 eet pin: at 4211.46 set hub for temporany Meinider Curner. No. 30 au Eaet iide of Lake stattie heturen firatianal pectionc 29 and 32 $T 139, \operatorname{Rg} 29$ whire $4, \operatorname{notes}$ call forz post and the follouring hearing truensi Korivay pine $12,442^{\circ} 6,52$ linke $(534,32$ feet $)$ Nowayjpine $12,71.4: 4666$. linter $=43.56$ feet $=4$ ine find the stimpos of bath ald trees from which were set a uosd stake fion twe NEX. No Bo, huk continue acur oniginal maindosw trancit. Rine a mile. Wiot ar a check: at 4258 pet stake: at...
 Sinith chain: Andrew g. Asel, asman. IN 3 tramsit; 300 feet chicugo. steel tajee: Yohn w amo, trameitrian e levernight wioth mike dmithe. Iebrieary 16 th 1912 , glemn and Sule si Amithi aseiptingmmeinchaimings jerfect: A: I. Atall ax, eantinme puest anice in Like Alathe, Uariation $745^{\prime} 6$ : at 4258 eet atake an sea vall: at 4500 pet etalel an ice: at 5303.16 set etake an ice for temponany section comer afrectione (29 30, 31 and 32 at 5400,5700 feet weot eet pim an ice at 6000 ect pion an ire 350 fert soisth of hard nood Idlaind or point of main land which hears $\Pi . \xi$, and west. at 6300 set peisuin ice 350 feet South of solid hard wood lant iwhich heave Eaet ased NW: Swampy land civives Su: it . C 620 fect Weot, entev sulid apen suramp which hiars 726 , and 86150 fest then LW: This aperm suranpp has drey dead tamarach trees andiou. feet. above bake levil. At 6900 oetpin in apen swampe and it is 500 feet touth to edge of salid. laind which nune $N 6$ and sw: at 6925 enter poplar: at. 7200 set pin: at 1225 foot of hill-inter hand wood iidge which heare. SE and MW: it ib about 600 feet Saicth to lake:
at 7410 center of 7 aud \& iragom noad: at 7481.75 a tack in the heart of an 8 inch green hirch stumpis. South 0.50 of a foot (loinches douth) at 7500 set stake 200 feet north of house: at 7700 leave solid lased; epter ineadwew which hearsi Liw and No. goer Ni. 150 feet then turn nu: ai 7.800 ret potake. in meadow at 8025 enter lake, beare nuw 300 feet, thien weet 300 fect, then $W W$, at 8100 feet West, set pin owice: at suob and s,100 and 9000 and 9300 feet vrest eet stake anice: at 95.75 .50 feet weet, thru Mennder Comen. Mo (32), heure Lauth 16.20 feet.
at Meiander Comer Mo 32 an weet pide of Latee. Hathie heturenc.

 14 hinks $(=9.24$ feet wne find the setree ruell pirecerved nude everig figure jlainly, shauring, but it is douvi and partly palled oriew oniti nide: ise aleo find the etwonp, of the ald Nub hearing tree dimeymanke, apid from these wu set the ture Dneander Comer Nos 32 in hine with an ald line of rputs unming West: Vue drive a $2 \times 48$ inch galvanized Hon pipe, capped an topefor the true Mexnder cannew and marked........
 fiek distant. Pojelar 7 inch, $846^{\circ} \mathrm{VW} 29,80$ feet to tacke drimen in flat poot. at base of trees, at $7^{\circ} 45^{\prime}$ viniation Eapt.

Coming sast to. M.C.Mo. 30 on Eash side of Lake kattie, ue pull

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ing the vood hub, and drine a $2 \times 4$ inch capped qalvanized iravo pijpe half itg' lenqth in the ground 'tf the true Ne Deder Cornexand manknuw hearingo as followe: fack Pine $4, \pi 5,^{\circ} 44^{\prime} E 58.93$ feet. gach Pine 8 \& $80^{\circ} 30^{\prime} 6.38$. 50 pect. Konvay pine $4 \& 5^{\prime} / 2^{\prime}$ \& 6505 feet to ticke drivemin flat ppat at bace of thees, variatione $1^{\circ} 45^{\prime}$. Ine use $I A B$ transit amd 300 foot Clicago steel

 Liq, at temporase. $M$ C. No Bo heing hub 4211.46 fiect Weet, uve chainu 50.04 feet Whest to hib 4261550 west, thence Louth 13.90 feet tom.C. No 301 at temporaryg (14h hi 397.7.72 fect west we chain west 47.26 fiet to 4024.98 Wesh, thence Louth 13.12 feet where we place the true Nest (1) cornen hetween Sectivns (24) 29 32 and (32) Wub 3483.25 west, goes \&outh 11.36 feet. Wub 2651.88 west, gace Weat $1 / 131.51$ feet $t_{0} 2683.39$ feet wet, thence bruth 8.75 feet whire ue pilace a etake fors) for the true $\sqrt{14}$ conner hetween eectionc $\sqrt{9}$ and $\sqrt{32}, 7,39$, R 29 with new. waingsias fallous:. Homuay pine stimpl 1 inch; Su so. 75 feet to tack.
\%. Gack Pine tree, 4 inch South and a lictle west, 45 feck distant. meascined with an 8. foot flay pole and cuwises taken ar appraximated hy ueing my field boolt with which to twn the angles Nhe ald hearing: trees here are gone Tub 1521.30 West, gace south 4.96 feet.

Thb 1502.70 weat, gaes Wauth 4.90 feet in true line.
Zuehegin at hub 417.6.50 westand chain bouth 13.62 feet to true \&ectionline. 28 . ${ }^{\prime \prime}$ thence Weat along the pection line s. 50 feet to a point 4185. feet weat of ${ }^{2} r^{3}$ the comer of Lections $28,29,32,33$, and 76 . 50 feet Eaet of mi. C. No 30 thew to mun the road lime around the. East side of Sake Nattie me rum at $f^{\circ}$ magonetic
 ptation 2: thence $n 20^{-9} 55^{\prime} .20175$ feet to station 3: thence $1129^{\circ} 55^{\prime}$ w 180 feet to. otation 4: ak foot of hill, 40 feet West af old logging noad which heare $6 x$ w: thence up hill, $n^{\prime} 37^{\circ} 11^{\prime}$ W125 feet ti station 5. thence $n 54^{\circ} 23^{\prime} 2105$ feet to ptation 6 in ald camf givinds in handsome fack Pinc and horway Pine timber: thince $72^{5} 5^{\circ} 23^{\prime} .20355$ feet to etation 7 on sharpepanct of hill:
 loiv silid land $n 5^{\circ} 55^{\prime} W$ at 300 pet pin, at 475 top of amall hill-thence hown hill: at 575 enter solid creele hottom: at 595 enter crele mune du: at 600 set pin onice increes: Crevt has solid sand battom asch there iv pix inches of urater and six inches ofice, at 614 leave creek, enter solid high areek bottom; at 745 foot of hill, thernce iep hilli. at 825 tops of hill; at 890 pet station 9, thence 22.29046 .26 down slopee 217 feet to station 10 , thence $11.33^{\circ} 30$ 2v, at ot feet foot of slope: thence up long sloperi at 382 - 5 o set etatios IIf, intirsecting section line at top g hill so th feet south of visconer between sections 29 and 3 o. Thie line just nun 8 $\therefore$ is with compacs necdle in a new H\& B traneit @. \&ovar pragnetic, in running the twaveree cve set ecpe at everyivther station, no fack elighte veed. end. the tine can be be retracedi fin the eame sinamnev. Wre soed a soo fat at chicago sted tape, aind plumb, bof meaoured line, chained by. Glenin Smith and Gohni $W$ Curo, Tuhen mith and Andrew filtall : akemen:

Thence North along section line which rune at about 750 variation! 304 feet to station 12 , being zee (4) con er Afteveen sections 29 ) and boy thence No th along section line 7050 var. 2641.30 feet to station 13 , being $1 /$ the iron comer to sections $19,20,2,2,30,7139, \lg 29$.

Beginning at iran cones to rections $\frac{19}{} 20,29,30$ mun north an $8^{\circ}$ magnetic variation: at 1037 center of road East and West: at 1065.10 set snow hab: at 1320. set stake for Larch temporary (V9) cones: at 2023. 70 set snow hub: at 2100 set hub and grit for night. John Cure, transitmini, over night with mike Smith,

Sunday February 18 tho 1912 Cur and Glen Smith check e up the section lines, while Ribber Smith, albert Smith and Ed Logee begin at hut 2023.70 and cut line North hetrveew erections 19 and 20. (Luge arrived at $11 . a . m$.) Curs and mich thew chain what has been cut, North: at 2100 set pins: at 2400 set pis at 2640 . set pin: at 2700 set snow huck and look for (1/4) beccreen sectionciT9, and 20, 7138 vg 29 where U. S. notes call for post and: Blactepine pinch, $n 85^{\circ} \mathrm{E} 33$ links Yellow pixie 16, \& 42 w wi links, they appear to be gone and rue continue North: at 2760 erose a round be N6 and Hew: at 3000 Ret pin: at 3270.10 eh snow hub: at 3300 ret pis: magnetic variant changes to $8^{\circ} 25^{\circ}$
P. M. Ruben Sinith and Euro chaining, continue North: at 3600 and 3900 eh pin: at 3960 set snow herb: at 4200 set pis: at 4400 enter craskerng boy which beans No and sw: at 4500 set stake in bog 40 feet west of East end: at 4585 leave bog which bears sis and NW: at 4698 set huh: at 4800 and 5100 ret jeiw: at 5280 ret hulk 17 feet North of road: at 5262.50 feet North, the true comer to section 17,18,19,20 T139, Ogg29, ceto East - feet
at the comer to sections $17181920,7139, \operatorname{Rg} 29,4.8$ notes call for a post and: Black pine 12 inch, $\eta 63^{\circ} \mathrm{W} / 32$ linke, $(=87.12$ feet $)$ Black pine 10 inch, $886^{\circ} 30^{\prime} W 73$ link e $(=48.18$ feet) lead pine $10 i n c h$, $n 30^{\circ}$ E 44 linker ( $=29.04$ feet) Lead prime 9 inch, $857^{\circ}$ \& 2 slinks ( $=16.50$ feet $)$

State road $N_{0} 5$. Coming FronThackec, canes East to this corner, then turns North and muss (/ 4)mile or less and thence East, and as it has been graded and the inocvie deepure do not sum to find the ald hearing trees or stake, es as a check rp, Iturn the transit on the iso corner, (or a point near it) a mile west, thew transit the telescope and start a lime East: then stash another line north at $11^{\circ}$ variation a team divines over our tape and breaks it at the 181 foot mark Auben-Lmith and I take the 181 foot tape and ualtio mile west and chain East auer the etraiglit graded road, using 180 feet of the tape
at 7 chains phis 57 Fut $=1319$ feet East, a fence monsibuctu. an 16 chains ( 180 fichain) plus 175 feet, $=2880$ feet east, a fence mons North: This is near the (14), corner between sections (18 and (19, $1, \frac{29}{9}-\mathrm{Rg}$ 29 where U. S. notes call for a post and the following hearing tres: Rowing pine $18,8.21^{\prime \prime} 30^{\prime}$ ' 66 links. Black pine Finch, $n 35^{\circ} \mathrm{w}$ slinks Tue do not find them and continue East: at 31 chains phes 126 Leet $=5706$ intersect hub under transit being the assumed comer.

Total distance Souenment chain calls for 2508 links plus 6000 links equals 8508 links, being 5615.28 feet $k$. S. Chain. Git for night, ares right with mike' Smith. Albert Smith, Sileni Smith., Riven ninth., Edruand Logee and John W. Gmo worked all day.

Monday, Feburany 19 th 1912 Gown W. Gro, transition and chain. It AB transit and 180. foot steel tape: like nu Lith drives me to the corner to sections 34,4 , 4 To $T 139, \operatorname{Rg} 29$, being anirow monument set in $a$ bed of cement, set from ald $u$. S. hearing trees by starr B. Dod, Deputy linty Sunvergor and from this cones I start a live. North@ 8045' variation with John olorey and Nosey King armor, who I instruct to cut a picket line a mile North: Sleave them the tail end of my broken 300 foot steel tape, and tell then to chain, using II 8. feet and to number each stake set.

Slenw smith then drives me to the (IV) corner betereen sections) 2). and (3) T139, Mg 29 where $A$. S. nate o call for a posh and: Mornay pine 24 inch, East 104 hints, $(=68,64$ feet) White Pine 15 inch, 867 Twill link $(=76.56$ feet.)

We find the stump of the East bearing tree plainly marked "B. J." from which we set the true (V4 )comer @ $7^{\circ} 30^{\prime}$ variation, chained from face of "B. I." figures.
rue then mark new bearings as follows: Pine Stub 15 inch; \& $56^{\circ} 30^{\prime}$ E 31.85 feet. Jack pine le inch, \& $30^{-\circ} 18^{\prime} \mathrm{W}, 57.65$ feet distant, and from this $1 / 4$ corner we start a pickets line West on

Ruben Smith, Andrew Taal and Ed Loge cut live and continue transit line North from assumed conner to sections 17, 18, 19 and 20, T139. A 29.
Sen Smith and Curs begin again at station oo. Being the aecumpd comer to rectione17,18, 19,20, $139, \mathcal{R}$ 2, and chain Exec an line caph ow $8^{\circ} 10^{\prime}$ variation: using $a 180$ feet chain and plumb-bob: at 180 feet enter bog: at 620 leave same: at 1800 ret piss owice : at 1821.36 feet East, true Meander Corner No. 43 hears North 25.60 feet At this point being the Meander Corner ow west side of small lake an the North side of lavemment lot 1. of section 20 and on the south side of Government lot .2. of section 17. M. S. notes call for post and Aspen 5 inch, $n 3^{\circ} 30^{\prime} \& 41$ links ( $=27.06$ feet $)$ noway pink 20 inch, $870^{\circ} \mathrm{zu} 95$ links $(=62.70$ feet)

Tue find the Aspen standing green and plainly marked and the stumps of the ald Sw tree firm munich vi rest the point for the true ( 7 . C ). and mark a nevi hearing tree as follows: Repent 7 , \& $77^{-0} w 22.20$ feet.

The distance 4. . chain from this corner week to the section conner is 2784 linker or 1837.44 feet My chain from station 0.0. being the assumed section corner is 1821.36 feet. Again looking for the corner to sectione17,18,19,20-139-29 wee find stump of ald NuT 0.I. anil roots of the other etirmpos which palaces the conner 3.42 feet west of acer hub 0.0 . Tuesday Fibunany 20 th 1912:180 foot Chicago steel tape: APB

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transib: Girs transit and chaisi Blen tmith.. Ruhen Lmith., Andrew Rall aind Ed Logee uarking. Tue hegis at hwb 0. O. being a point 3.42 feet Earet of the true connen to eictions $17,18,19,207139 \operatorname{Rg} 29$ whe mum horth an $10^{\circ}$ 25, wanation: Ruhew anod. Shem chiaiming nomphiy: at 1300 feet. noirth, the County road nuins Enet: 540 feet $N$, set stake No. 3. at 1260 feet north, sef stake No. 7: at 1800 feet North, set ptake No. 10. at 2.700 feet north set atake $n_{0}$.15. at 3240 feet north, set stake Ni.18. at 3960 feet nocth, wet ptahe No 22. at 4860 feet North, set stake 27 . at 5308 fect northeet etuke. No 29, plus 88 feet at rwhich poinh the iorner to sectionsi, $8,17,18$ veto sast 173.80 feet. At this paint $u$. Sootes call for post and the Fallaining bearing trees! fack pine 6 inch, $n 4 i=65$ linko $(=33.00$ fech $)$ homway pine $15 i n c h$, $765^{\circ} 30^{\circ} w 103$ links ( $三 6.7 .98$ feet) Daik pime (tinch, - $36^{\circ} 45$ wh linko $(=50.16$ fect) Black jeine ginch,id $60^{\circ} \mathrm{E} 72$ links (ar. 47.52 fect)
Wuefind the $n s$ and Sr ald trece standing greesu jolainly marbed from which vie set the tune section cormer big flat chain fiomu face of the figicree, after which they. stand as. falouces: at 9". 2nariatiow East... Ned SEtree stiands $858^{\circ} 30^{\circ} \varepsilon 47.52$ feet e ed netree etanda $n 14^{\circ} 30^{\prime}$ E 33.00 feet: Lue mark a mewi hearing trec. Heing Kanvay pine sinch, $4.42^{\circ} 559.50$ feet to tack in flat rpot at face of tree Begimming at the commer to isections 7, 8, $1,18,7139 \mathbb{R} 2.9$, ius Donth vamiation 9 . ar 540 pek ptabe 3. at 900 pet etake 5.ati440 set stape 8. at 1711.30 nesismavi heeb. at 2643 . feet North, the $1 / 4$. cormer heturen sectiome 7 and $\&$ hears East 54.70 feek, ah the joqisit ל. \& wotes call for post and: Kowway pine i 2 inch, AM. $6^{\circ}$ E 27
 Zufind bach trees etanding flainly marked and they check aut for curver and distance, perfect at qo wamiation; ased; 05 of a foot ( $1 / 2$ inch) long for meiaine. Tue set situke anel mark a new heaing

Correcting thach, hub 2643 gaes East 54 . 10 feet: Hreb17il. 30 goes East. 35. 41 feet: at stake $\%$, we chain surcth 118.50 feet to 1321.50 , thein East 27.35 feit and eet (roughly) the Louth $1 / 6$ comner hetuen Lections 4 and 8, 7139, R29..980igoes Easkls:62 feet: 540 goee East. 11.18 feet

Tebreary. 21 st 1912 Shenn Anith and fohin wi. Civo, go to the cormen to sections $17,18,19,20, T 139, \operatorname{Tg} 29$ and mark neve hearinge at follows: Gack pine 5 inch, s $45941 \omega 75.108$ feet. Dack pine 6 inch; \$5 $56^{\circ} 18^{\prime}$ E 83.02 fect to pencil niark in flat spat near in oot of trees. Natal distance from. Sw comer of Section 18 , Each to Mi.C. Wo 4 3 , is 7452.72 fect 4.8 . chain and 7527.36 feet my chaciv biing 74.64 fect to long.
Fuvim Mr. 43 wuet to section commer is 1837. 44 feet U. S. chain and 1824.78 feet mychuin heing 12.66 feet shork.

Coprecting the hinie hetwren eectivne 19 and 20 . hub 52807. goes 17. 50 feet Lowth and 58.38 feet East. at 5.262 .50 feet North the cornes ti pections 17, 18,19 and 20, eets Eaet. 58.38 feet: Tubb 4698 feet North, quer Cush 52.'2 feeh to true line: Aub. 3960 goes Houth 13.12 feit t. 3946.88 nintir. then Sact 43.78 Leet to the north $1 / 6$ fetwernvecter

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19 and 20.1 tub 3270.10 n , goes East 36.26 feet: stub 2640 naroth , goes South \& 75 fact $t 2631.25 \mathrm{n}$, then East 27.19 feet to the $1 / 4$ corner betrveensections Gand 20. The 2023.70 goes East 22.45 feet. the b1320. gal truth 4.37 feet to 1315.63 thin east 14.59 feet to barth $1 / 16$ corner between section 19 and 20. The b 1065.10 gross East 11.82 feet
Gohndlorey helps wo in this correction aid we then erect the mile of lime between sections 17 and 18 a ar follower: the correction is 035387 of a foot East for each foot north min es 3.42 feet as exch correction paint. The 5308 goes East 173.80 feet: Tub 4860 gas East 158.84 feet: Tub 3960 goes Erst 128.79 feet: 7 sub 3240 goes east 1044.75 feet: That 2700 goes East 86.13 feet: Nub 1800 goes East 56.68 feet: The b 1260 goes East 38.65 feet: The 540 goes East 41.61 fut. Eve correct up p these two miles and take our inner on the rus and get throe at
2.05 P.m. Smith drives me to Backus where 2catch the Pm train 2.050 m . Smith drives me to Backus where 2catch the PM. train to walker'toger moulster's ald notes an this $1 / 4$ corner beteveen sections 10 and $11, T$ /3, OI 29 as 2 mush have them tophet in the coiner to erections 2, 3, 10 and $11, T 139$, R.29.

February 22 nd /912 at walker copy notes of a. W. moulsters survey for County nad thine section $3, T 139$, R 29.

March 14 th 1912 2 copy more nate of molesters surveys in 7 139, A 29 and compare the mu with sovernment notes, and take night train to Pi na Rivers
march 15 th 1912, Friday, 1 go from Pine River to mike Smithó jelace an tum. Burrell's stage: kine at noon pay 75 stage fare get dinner at Smiths.
In P.M. Sen Smith and team drive me to oscar Sales, oulhere we get gohn dewey, as man, then drive to $1 / 4$ corner beteveén sections 2 and $3,7,39, A 29$; and run a transit line West across the lake at $8^{\circ}$ variation Eve leave horey cutting line and smith and 9 Arius to ir ow corner of erections $3,4,9$ and 10 and cut a line
East march $16^{\text {th }} / 912$ Saturday. Curotransitman : Sen Smith ard team Oscar Loden aid SHerman Siltinan axmen: wherein a.m. Nosey King arrives while we are eating our huck and worker in Ithrnow: Siltiman continues the jeichech line west thru section 3 . Worth beteveen sections 3 and $4, T 139,029$, variation $8^{\prime} 30^{\prime} 8$ : over cut auk line: at $/ 4 /$ corves fixture's sections 3 and 4, . 4 . S. notes call for post and: Black pine 10 inch, $n 88^{\circ} \mathrm{W} 340$ links (on 224.40 feet) Black pine, singh, $n+46^{\circ}$ \& 20 links (or 13.20 feet) all are gre and we continue north at 3150 fectinter rocind marcy lake which bear nw and East: at 3375 leave lake where it hears Lw and East i at 5138.10 set temporary corner to sections 3,4,33,34, between Township 1 39, and Rup.140, range 29. the comer sets 20.40 feet north and 99.20 feet west at 5158.50 feel north, the conner rets West 99.20 feet where 10 foster call for posh and s: ALack Pine 16 inches 773703 big 142 link (or 93.72 feet) Aspen 1 inches $7199^{\circ} 30^{\prime} 209$ \& link e (or G0.72 feet).

Slack Nimes \& 5102060 line (or 39. 60 fact)

We find the tall stump of the. Sur tree plainly marked from which we set a wood stake for the true corner at 800 ' variation, chained from face of the "B. T." marker, and mark new hearings as fallow;

Much 8 incher, $S 3020^{\prime 2} 20.25 .55$ feet to crow ( + in flat pot made at face: Poplar 8 inch, $775^{\circ} 05^{\circ}$ \& 41.02 feet to crown ( + in flat pol. at face.

Beginning on our randoms line at a point 99. no feet.
Bast of the comer, we chain carefully South using a plumb - tob, 180 foot steel tape. Glen Smith and Curs
 At 1780 feet pout enter boise bearing $\&$ W and bact. at a/80 feet leave lake which fears east and NU. At /8 chains ( 180 ftchain ) plur 118.50 feet equable 5 158.50 feet. Sopith we intersect the iron conner to sections 3 , $4,9 \times 10,7139,1 \mathrm{~g} 29$. 5158.50 feet my chaine equals 5138 . 10 feet Government chain - being 2 d. 40 feet longer than Governmentechain scale for Correcting back:

At ping No. 22 Louth being $\$ 960$ feet couth, we chain Mach 126.74 feet to a paint 1325.24 feet louth of comer to recce $0,4,9 \times 10$ Thence Next 36.49 feet where vier place the true south $1 / 16$ pope between section sand \& with bearings at 8030 variation as followup" Poplar 5 inch, S 39016 'W 70.00 feet. Poplar 5 inch 17620.551 W .57 .35 feet to ! Plat spat at bake of lieew."

Thin $1 / 16$ is 3833 2 6 Rect forth of the Mast corner to section Band 4. T139, TR. 29.
To put in the $1 / 4$ conner-between sections 3 and $4, T 189 T 2 g$ eq, we begin at etake 14, being 2520 . Leet south, thew chain saith 11.98 feet to hub ל508.02 south being o 650.48 Leet Moth, thence 2 Next So. 97 feet where we place a wood p take for the true $1 / 4$ corner with new bearinge at $8^{\circ} 45^{\prime}$ variation, as follows:
Jack pine 10 inch, $893^{\circ} / 1 \prime^{\prime} W 33.80$ feet. Poplar winch, $n 48^{\circ} / 8^{\prime} 2024.10$ feet. at a paint 236 feet north we chain west 4.54 feet and set stale ow section line for road center.
at 472 feet North, rue chain West 9.08 feet and set stake an road center: ar 780 feet north rue chain west 13.62 feet 944 feet north, goes west 18.20 feet.
march 17 th 191 2 Working for Case County: It Btwancil 1 so foot Chat double center bib, plimh-bob chaining. Curs transit and chain: Blew Arnith chaining. Oscar boodew Nosey Ting and Herman Siltman axmen.
From the iron corner, cit line East heturen sections s and 10, T139, Rg29, and also cut lime East from the forth 1/6 betireneections Band 4. Bath liner nun on $\delta^{\circ}$ variation; Snitch and team, Siltman and Curs go to thel/t corner
between Section o 10 and $11, T 139, Q 29$, Where $U$ K. S. notes call for post and: Noway pine 20 inch. $1187^{\circ} 21354$ links( 02233.64 feet) Ene find the ot rump of the old hearing tree from which we set the $1 / 4$ comers@ 9950' variations set wisd stake with new having trees at $9^{\circ \circ} 50^{\prime}$ variation as follower: Noway pine 15 inch, $8,7^{\circ} / 7^{\circ}$ Ww 160.60 feet lo ap at at base. How nay pine 1 inch, $\pi 64^{\circ} 46^{\circ}$ W 123.34 feet to spent at have
hit transit on new '/1 conner, hack sight half a mile louth an flagglaced at comer to sections 1011111,15 . Vernier net at 0,0 noodle reading 9'50'G: turn tilercope on old bearing tree heart of stump": Verier reads $\lambda 87^{\circ} \mathrm{W}$, and it is 233.64 feet to the face of the "B. J." marts, showing that 2 am using the time recto $^{2}$
line as a meridian ing to the $1 / 4$ corner heteveen sections 2 and 3 , we mu South gong to the 74 corner
march 18ch 1912: Do pectin the lost comer to sections 2,3,10 and 11, T139, Ag 29, Blew Smith and Euro chaining, John Nosey, Nosey ting and Oscar borden axmen, phemb-bat chain and double center hells, begin at iran in an corner to sections 3,4,9 and 10, new East on $8^{\circ}$ variation
at 180 feet ret pin in old main nad, hears ne and Such, ar 420 set pin in sea wall of lake: at 440 inter Onto Lake which hears Nr and sw; at this point $u$. S. notes call for post for meander Comer $n 056$ and heaving trees as follows:
Black pine 9 inch, $864^{\circ}$ wiolinkd. Black pine 6 inch, $n 66^{\circ}$ w 21 links all are gone and un e continue East: at 540 feet Each, set pins 3. on ice: at 1224 set now hub on ice; at 1929.60 set snow hud an ice: at 2750 ret snow hub on ice: at 2770lenve Pants Lake which
 boy Wand. Sf: at 3220 have boy, numb. 88:- al 3238. Ret heb on print of land coming from the north: at 3240 et pin no 18 ; at 3270 enter
 hub: at 4311.40set hub; at 4320 set stake no 24: al 5097.50 net hub; alis114 main traveled stage road hears $n$ and Si Variation changes to 70935': at 5898,40 net hub: at 6660 road bears $x$ and d: at 6675 enter swamp $n \nmid d$ : at 7332.50 set hub and leave swampy lake: at 7343 cross indre fence about 15 feet South of rus comer of fence: at 7380 ret pin no 46:: at 7425.60 set snow hub: at' 7740 eel pin no 43.: at 7774. 80 the true $1 / 1$ Comer between sections 2 and 11 , ceto north 30.50 fut. at 7188.80 a past set by $2 \pi m e s m$. Canfield, here Nock 18 feet: the conner 9 have just set in 12.70 feet hared of an East and West mire fence
the post set by canfield in Ne comes of fence hears 8 $47^{\circ} 45^{\prime}$ E. 19.25 feet from. my true $1 / 4$ comines. H. S. note call for a past and tho foll wining hearing trees: Bench pine 5 inch, $832^{\circ} \mathrm{W} 98$ links $(=64.6$ 多 feet $)$ aspen inch, $\pi 49^{\circ} 829$ links ( $=19.14$ feet) Sue find bath old bearing treen, the Black fine still pounding green plainly market f: the bering trees check

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- peiffect inith the $1 / 4$ coumin i havi jristpet: ist wroud appear fizorzs thix that evme. me has maved the etake set fyy. Mr. Confield from the jelace im which he aniginally setit

 roud: at 160 offect leavi road which ruve Eash:at a io IS enterapen
 irintersect maiw traueled ptage ravid which heare Lauth asid nie: at 2520 set pin wout.at 3300 hame movil which fecare Kand dev:at 3340.80
 nofr:at 4180 main raxd islofeet wiest,it leeasinustantie:at. 4320 net, bix number 24 , East of rivad 5-feet. at 5220 'seh pin 220.29 phes 130 . 20 feet equala 5350 or feet South i

 Lorey and. Gurorusuking. for Cass County: At B transit lio foxt eticl tiaper.
Rue contimue the center hime af pection 3 , jueshmuthauk


 T139, Ry g 9 nue nun East on fo variaition: at 1850 erose all
 Cumpr beare HEanel, SW: continue Eush without Chaining and at,
 Nouth 23.5 .0 fut.
 Hue teegin at himb 50.97.50 Eash, ams chaim Eash 27.40 feet to. hub 5124.90 Eapt. As. the. i. . Noter do zot oh aur the distance acrasp Ponto Late, and do shour the distumee frem thio conmer Euse to the $1 /$ commer to ke 2.6 .49 .90 feet, iue tare the
 uf the $1 / 4$ comice, which fixss its pooition as to. Exat aud west, thew rum East s. so feet to the true eormer to sections 2, 3, 10 and Il, Tommahip 139, Pange 2q, where une vector jolace a $4 \times 4$ poxt urich, neur lecuring treex az follous... gack pine 6 inch $4.82^{\circ} 48^{\prime} E .53 .60$ fect...
 The SW councr otvaie. of the schorel hacese enterence, heare $\pi 4^{\circ} 05^{\prime} E 102.10$ fecet diatantionaiation fo E. suppoer, Hed and lodqing wicth oremonaw, tiltimani.

Gohn Ur Guco, finmeigos.
 s/1/ $3 / 22$ and 3,7 mom pime No 7 , Fing, 260 fect Louth nie chainu... 17. 55 fect Louth to 13.37 .53 feet Sauth, thence Eaet 6.70 feet... where we polace a pops for the true. $/ 6$ evisies vieti bearinge os pollaus:
coves in 3. forot white pine strinp fearr \& $599^{\circ} 2$. W 48.75 feet:


Gack pime trie 6 inch, hears $7.25 \circ 30^{\prime} \mathrm{W} 90.40$ feit carusere turncel from the true section line at fo uariation Eush.
Io coirrect the Saicth $/ 16$ line, heing the Eastaud Weat center hine thracigh the Lauch halp of Section 3 , we proceed is follousi ata puint apprasisuately 5200 feet Eush ow our ramdomntivic, the. I/ 6 couscr sets Routh 23.50 fect, so that ata poinh an ancr randown hive 1260 feet Eash, wue chain Morth 5.70 feet aivelset a eticter as the tricelto lisce for a road center ata poincha ans randonn lime 2.215 feeb East zw chain horth o. feet aced set a ptake as the triei Nolisie for raad centes which vue mark'" Sta," nvich heaminges as fallives: Gack prive tive, A\& 29.40 feit. Pime ptimip NE 26.45 feet.
 feet to eter. 2. Whence $\pi 55^{b} \Sigma / 50$ feet to sta 3 . thence 2640451274

 set statian 6 .
trin here an wue may chaigge thi lime hut for tho present uie minu a triab hine as fallousi:
thince $1158^{0} 50^{\prime}$ Eduun hilli at 243 intersect center of 10 foot ditch which ruins $\geqslant$ o s: at qs9. 60 ect otatixin 7 , theice Norith alorig Eaiptside af marah: at ss fect a nuruour necteof marsh heurs $\operatorname{swofE}$ : at 115 mue leaue juareh which hears $N 20^{\circ}$ W, anid East: at 508.50 we intereept the East and weet center lime of-sectivin 3 , and ect plativis 8 , thence East aloing thic center bisiv 954 feet to etation 9 feincg the I/4 evence feturecn sectivins 2 aind $3,7 / 39, R g 29$.

Io coriect the random Eust aned west centes line if section 3 , vue proceed as falloive:
 feet 2 'est the $1 / 4$ equmer ects Houth $s o .50$ feet. Rotalat alt a point an ans trampif linee 954 feetweet, wue chuin Sucth 5.60 feet. to the trice $\varepsilon$ and w center lince: at 472 fect west, wie chain Aoucth 2 . So feet to the true Eavedu एemter line:
Gohn sldiey. Mecar bordeiv, arid Guro work all day are vurvey.

 aiv.survery.

- Cin tokes dinmer, eupper and stayp oreer night ivith mike smith.
Murch 2/at/9/2 tilemn Ainith ans curo wirark all daififar
 and livery wohich may be more as less thaw what o ave him hus haves inat got time to fingure it "ipe tilb $g$ get hack tovzilaleen Rlenw Smith anido diume wich his team to iection. 3,

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Township 139, Range 29, where we ruins change in the road as follows:
Beginning at station " 6 " we "back isp" 50 feet so that station 6 is 1030 feet from station 5, and from here vern to a point 27 feet south of station $N_{0} 1$, thence East to the section line.
From station 6 . we mucin $\cap 67^{\circ} 50^{\prime}$ \& 325 feet to station ?, thence East to the section line.

John. W. Curs, Surveyor. Surveyed February 13 th, 1912 to march 21 st, 1912.

Plat
TOWNSHIP 139.N. RG.29W. $5^{\text {TH }}$ PM.
SECTIONS: 7-8-18-17-19-20-29-30-31-32
Secom: somm, than itor


## Survey Record-286

PLAT
TOWNSHIP 14 ON. RG 29.W. $5^{\text {TH P P.M. }}$
SECTIONS: 33-34.


To
Field notes of a sinner made in sections 33 and 34 , Township 140 N, Range 29 W , shh Principal Meridian, Caps Canty. Minnesota as made by John W. Giro, County Surveyor.

Tharch 16 th 1912, Suturdny: John W. Giro traneitinan also chaining. It $B$ transit and 180 foot ethel tape. Blew truth chaining: Cecar Loden and Herman Siltman and Hooey Hing, ares.

Beginning at the K ow corner to pectisne 3, 4, 9 and 10, Township, 39, Mg, 29, nus North between sections! 3 and 4, variation $8^{\circ} 30^{\prime} \mathrm{E}$ :
at $1 / 4$ conner heturen sections Band 4 . W. S. nates call for a post and: Black pine 10 inch, $N 80^{\circ}$ w 340 links: Black pine finch, $146^{\circ}$ E 20 links: all are gone and vie continue North: at 3150 feetentes round marshy later which hears Nu and East: at 3375 leave san ne which bears Sward East: at 5138.10 set temparany corner for sections 3, 4, 33 and 34, heturen Zounship, 139 Range 29 and Rownohip1 40, Range 29: the corner sets 20.40 feet $n$ ord and 90.20 feet west: at 5158.50 feet north the corner sets west 99. 90 feet where U . S. noted call for poet and the following bearing trees. Black pine 16 inch, $x^{\prime} 37^{\circ} 30^{\prime}$ ह142 links (or 93.72 feet) aspen 15 inch $n 9^{\circ} 30^{\prime} W 92$ links (or 60.72 feet) Black pine $8 S 1^{*}$ W 60 links (os 39.60 feet)
Black pine finch, \& $4^{\circ} 30^{\prime}$ E 65 line (or 42.90 feet)
me find the tall stump of the Sw tree plainly marked from which sue set a wood stake for the true corner at $8^{\circ} 30^{\prime}$ variation chained from the face of "B. 7." marks
mark new hearings as fallows:
Birch 8 inch, $330^{\circ} 20^{\prime} w 25.55$ feet to cross ( $t$ ) in flat spot made at hae.
Poplar finch $N 15^{\circ} 05^{\prime} 841.02$ feet to crosse ( $t$ ) in flat spot at base of tree: Whin poplar tree sets in section 34, T140, Rg24.
From the post just set un e run $\lambda$ 3フ³0'\& 9 3.72 feet in Section 34, T1 40, Pg 29, and look for the old 16 inch, black pine hearing tree hut it appease to be gone.
 60.72 feet in section $33,7139, \operatorname{Rg} 29$ and hook for the ald 15 inch open w. hearing tree but it appears to be gone.

Gohn W. Gino, County Surneýar, Casa., Minn. Surveyed March; 16 th, 1912 .

TOWNSHIP 142 N PG. $28 \mathrm{~W} .5^{\text {TH P PM. }}$
SECTIONS:1-2-11-12-13-14

Field notes of the swinery of a part of the new County road to be known as the Rogers hoad and the establishment o of comers in sections 1,2,11,12,13 and 14, Qownahip114, Range 28, Cuss County minnesota as surveyed by and under the direction of goon W. Guns. County surveyor, assisted by B. 7 . Baldwin, Wepectig.
Tuesday may 16 th 1916 . Baldwin and Euro are working in survey of North two miles of Rogers road as ordered purveyed at County Commissioners meeting of May Ind 1916. Tue coper notes of the government swricy and search and search records for previous surveys, adjures inetwmento and with the ascistance of En nest Jueler (Chainsinain) asserinble survey equip meat and start to crops Leech Lake with Walter Ataberman and his launch.
as the wind is high ur e wait till 9. P. m. for it to go dour, and as it is still blowing rive are compiled to wait till morning.
Balduvin and Juster boarding with Euro. 17.7. Baldivin Wednesday may 17 th 1916: As the wind is still blowing if gale ur decide to go around by rail. Tue sharpen tush hooke and axes as this will same time whew we are on the work and take train for Boy River by

- way of Cases Lake bis fare, Baldwin and tools 25 . bus Lusher and tools 254. RQ fare Stusler and Buldurind Walker to lass Lake 494 and 494. Supper and lodging - at Endiow Ftatil Balduniv" 1 . Tushes 81. total \$3.48 Aver night at Endion Hotel.
signed 14.7. Baldwin.
Thursday May 18th 1916. Horst and Dueler Breakfast at Endions. \#1. AR fare Case Lake to Bay River 65t and 65t Baldwin and Suse: Amine at Bovid Rives get dines at hotab and prepare to rurney Rogere road: Petition of the road reads about as follows:
"Beginning. at a point 80 rode South of Cor to sections $\geqslant$ 8,97418.7442, Rg27: thence west/ mile: thence north to SE corner of erection 12: Thence West 1. mile to conner of sections $11,12,13,14,7142$, Ag 28: thence North 2, miles to the North conner of sections land 2. As the Morel two miles of this road is ordered surveyed and rue mist cross the rives we try to get a row bout but *, as none are available ne hire a launch from Mn. To ate for which they charge use 1150 for this tripe to camper 13, about two miles: The motor boat returns and reese


## PLAT

TOWNSHIP 142 N.RANGE $28 \mathrm{~W} .5^{\text {TH PMM. }}$
SECTIONS 1-2-11-12-13-14-

to corner of cectione12-35-36, hetween Wownahipps142,143, Rg
 W 13 hinks (or 8.58 feet): Birch $6820^{\circ} \mathrm{W} 16$ links (ar 10.56 feet) spuce sinch $864^{\circ}$ E 10 linte (ar 6.60 feet) Eue find corner vich thiree bearing trees standing: They are badly ant of place as follows: Birch 12 inch, bears $n 81^{\circ} \mathrm{E} 20.50$ feet: Binch 6 inch, $861^{\circ}$ W 36.30 feet: Spurce $5^{5}$ inch, \& $59^{\circ}$ E 35.70 feet: ure valte back to mixfarm and talk wich mr: L'E. Mir whotakes us to $1 / 4$ cormer beteveew rections $/$ and 2 .T 142 , Ry.28. Mr. Mix agrees to board ws while weare working this side of the river. Ray 2 Nis takes is to Boy River Notil, from Camp3. in Evenuede motar boat. We have supper at hotil and retern to Camp 3. rrich Ray mix zue spend niglht at mix. farm. Boak fare to Boy River aub return in Mix boat, $\$ /$. Baldevin ased Tueles work ale day, 191. Weather fine, Marm, Breakfach $6.30 a: m$. Wich L.E. Mir in sec. $1, T 142, R y 28$. Baldevin and Iusles go to comer of
 following bearing. thecs: Majele sinch, $542^{\circ}$ Wich linke $(=10.56$ feet) Maple 4 unch, $810^{\circ} \varepsilon 42$ linko (gone) Birch $6, ~ X \cdot 45^{\circ}$ w2 6 links ( $=17.16$ feet) Hir 12 inch, $n 40^{\circ} \& 22$ links: Trio of the ec trees, the 5 inch maple (dead) and the stub of the binch Binch are standing properlyinccribed
 true corner jusl set, a hearing tree of more recent date thaw the U S survey 14 inch sprivee stub about 5. feet high, itunds s $22^{\circ}$ Eash 41.50 fect.
With surlug com

With burluy compase ve stark nandom line north an $8^{\circ} 30^{\circ}$ vari: this line follows a little Ease of tote road all low rect land and heavy= brush: at 394.00 North set hub: at 1043.80 feet Norch ret hub: we quil foc dinnes andgo to mis farim. In P.M. m. B. K. Ingebeteew sends his man aut to cut brush (his manis Ms. Fred desum) continue transit hine North: at 1563.20 ft .7 , sether: at 2013.00 fl .7 . eel heb: at $2609.60 \mathrm{ft}, 1 n$, set hib: The birssh is thick and tho ground has been low and wet but this comes on high ground and aus live is now firther from tote road. IN. Ralderin, Klep. Surveyor, rue transit ans chained: E.. L. Insler Ay, flaq, and chain, Ingibretoen furnish axmain: quit for niglet: Baldurin and Iusles retivn to mis faim. staturday may 20 th 1916: Warin beantiful day: Baldevin and Iudes fireakfack 6 - $30 \mathrm{G} \cdot \mathrm{m}$ wich K.E. Mix in sec. $17142,128$. 7.7. Baldurin, rivich aloe transit and chain: E..L. Iusler.flag, chain and ast: 13: r. Ingebreteen, axmawi Continue line North fetceen eections) and 2, 7142, Og 28: at 3175.70in, eel hub; al 3800 enter tamanadr ruampi: at 3938.60 kel hub; at 3940.7 , enter open marele: at 4160 fect leave maich: at 4960 Ǹ, leaive tamaracte swamp: at 4969.90. 7 ,


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At 5065.40 North, the true cornen to sections1,2,35,36 seto west 241.60 feet: Yue accept the old original corner as correct: quit for dinner taking truneit and tools ivch ues: Ruslep and Baldurin go to Mix for dinnew: Ingebretsen sharpena asp and brush hook at noon: P M. eume crenr ftarting at eviner to pecs.1, 2, 11 and $12,7142, \mathrm{Gg} .28$, wue deflect $2^{\circ} 30^{\prime}$ from : random hine b'túneew pections/and 2 , suaking $11^{\circ}$ variatcopo which une muw sauch heturen sections 11 and 12 : at 428.00 set hueb: Road 3. feet Lefh: at 455. feet Sacch, Lehool house stauds 40. feet Right. at 1335.40 elt helf: Road 2 feet to Riglet. at 2255.10 eet herb. Road 2 feet lipt: 2800,00 eet heib. Road 2oft. Right: The rowd crosees and re-crosees this line buit the gencral direction is Sacith. The $1 / 4$ corner is near the trail lunt we see no hearing trees that talley nuith notes : Rue guit for might anel return to Mir place.

Signed $\mathbb{K}-7$. Balduin.
Sunday May 21sh 1916: Mreakfart it misfarm in Sec. 1 F T142-Rg28, at 6-30a.m. Chaudy Baldevin Alae twansit: Nuclev, Chain, flag and ase: Ingebretson arman: Baldurin and Nualer take huch and start to continue rascolons linee South beturen sections 11 anch 12, $7142, \lg 28$ as we uralp to worle it etainto to ruin ased ax there is so sign of rain stopping, ueguilt and take our transit and limch and leave same in schoal hacese and return to hoccee.
Baldivis vritew noteo aind writes to Curo reqarding setting mw comer to Sec1, $7142, \operatorname{Ag} 28$. Rain all day steady: vue stay at mis haccer. Signed th. 7. TBaldurin. Monday may 2 und 1916 Break faet Mis fawn 7.00 G. M, in Sec T142, Rg 28. Gaininig: Gaits raiming at 10.15 a m .
Bulduin and aloc transit and chain: Tusler, are, flag and chaiw: Ingebretcen asman in PM. Baldivin and Rueler take lunch and go to randons line betweensections 11 andi2, $7142, \operatorname{lng} 28$ where we continne South. Ingufretsen come out after dinner and cute frush: Cluining South; at 3298.70 Reh hub: at 3805.30 tack in log: at 4125.30 set hub: at 4633.90 set hub; at 5283.40 set hub: Baldevin and Iuslev retivin to mis house for night: we found heuver cutting all afternovn. signed 1t. 7. Baldvin.
Iuecday may23nd 1916: Breabfaet 6. 30G.m. wicth mis: Balduind alve transit and chain: Tcepler, ape, flag and chain: Ingebretsen axman: He take lumeh asid lovk for the Lit corser lictiveen sectione 11 and 12 lunt find us hearing trees asid rimalk to cornce of Rectione 11, 12,13, and 14, Nupp.142, Rg 28 where $\mathrm{H} . \mathrm{S}$ wite call for: Cedaw 10, $15^{\circ}$ E 29 linke $(~=19.14$ feet) (Sone)
white Pivie $30, S 23^{-0} \varepsilon 62$ limps: $(=40.92$ feet) white Pine $16, \geqslant 26^{\circ} 2083$ linke $l=54.78$ feetl We find the stumpe of both white pine fearing trece,..
plainly marked and from them ne set hub rich tack at true section comes: the hearing trees now stand as follows: white pine stump, $f 25^{\circ}$ E. 40.72 feet: White pine stimpin $26^{\circ} \mathrm{W}$ 54.51 feet: White hick stub hears $n 21^{\circ}$ E 32.40 feet:

An out random line at stake 5244.00 Saith, the true comer to sections $11,12,13,14$, pete 384.50 feet West at $90^{\circ}$ to randosiv:

Correcting hacker we use .072905 to the fork:
The at 4635.908 , goes west 337.84 feet: The b at 4125 . 30 Surety, goes Wist 300.75 feet: Hub at 3805.30 South, goes west 277.53 feet: The at 3298.70 South, goes west 240.50 feet: $1 / 4$ corner at 2637.00 South, goes west 192.25 feet:
tub at 2255.10 louth.
goes west 97.33 feet: Sikh at 428.00 South, goes West 31.20 feet: after correcting up this line as shown, sue giisod axe and tush hook on Ingebretoenis grind stone ansi go to random live beteveen sections / and 2 and cut line for afpecto al nearly all the hubs: As me have not tied into rasidon into comer of sections), 2, 35,36, we do not know essach distance hus will chain it at a later date. Baldric and Sutler return to mix faun for night:
Friday June Ind 1916: Breakfast at 6:30, Baldwin take o Hurley compass and 50 foot metalic tape and ques to Ingebretoene to see if he wile help correct line, bot as he cannot go today Baldwin corrects as far as ofqeets can be taken wick so. foot tape: Baldwin then goes aver to where Lusher is cutting ow Boy Lake road: the correction e for random line beteveen sections 1 and 2, T142, Mg 28, are an fallows:
The at 394.00 Torch, gueswest $18: 80$ feet: Thu at 1043.30 North, goes West 49.75 feet:' The b at 1563.20 North, goes west 74.55 feet: thin at 2013.00 horde goes West 96.02 feet: Temporary $1 / 4$ corner at 2640.00 North, goes South 81.84 feet to 2558.16 north, thence West 122.02 feet: tub at 2609.60 North, goes west 124.45 feet:
the b at 3175.70 North, goes West 151.45 feet: stub at 3933.60 north, goes west 187.84 feet: 5.222 .60 U . S. Chain, equals 5065.40 feet ain chain therefore 5222.60 goes south 15710 feet to 5065.40 norths,
hing. 031014 of a foot south for each foot chained North:
at 5065. 40 North, the true section corner setowect 241.60 feet, being. 047696 of a foot west for each foot north
deter dimes Baldwin takes mi. Minke, an axman, working for Coss County on Boy Lake road, and finishes correcting
random line bitences erections/ and 2 .
apter finishing this we spend balance of Pm on Bay Lake Road purvey: Baldurin charges full Nay to Rogers roved and Reinko full day to Bay fake inocidithe wort uasidone an that portion: This survey might hive cost less, had ire hew able to secure plenty of bush cutters: The farmers are busy putting in crops, and do not zvish to Hort owiwnily.

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 makes ant hills to. Caxe Cusintay for expeisee of Rogere inaad.
 and gaes to Bay Rinen where Jinix foah fare coetsilinhines unich Mix Mix team $1 / 2$ day destributes inon monumenta: Jueler delinds migkt at claspé. Nhere are loiron mommenta topet, eud 4. of thiee are an Rogeceraad: halance on Bay Lake raal.
 breapfask at beark's and the n vich Cigrle taker lunch and gues iuch to relivow mohumento: pe puts in mew hearisigitices tolls camer hetween eectionslaind 2, $7142, \operatorname{Rg} 28$ as fillwwe: white aalo 9 inch, $1135^{\circ}$ \& 33.80 feeh: white Birch 12 imch, $S 5-\varepsilon 33.6$ ofect. Also new héring trece to $1 / 4$ cormer heticeen sectivns 11 and $12,7142, \sqrt{2} \bar{y} 2$ as fallums: Maple 6 inch. \& $85^{\circ}$ w 31. 70 feet.
Maple 16 inch, \& $75^{-}$E 3700 fiect.
Tuslew and Clarte folace inow monuments at all ecction conmersand $1 / 4$ cormeis as fallacus: at eection cornev11, $1.2,13$ and 1.4, at $1 / 4$ corner hetucen 11 and 2 : Section cornce to, 2, 11 and 12: at $1 / 4$ evmer heturen Rectionel and 2: Jup. 142, $\operatorname{Rg} 25$; also at ominew to sectives, 2, 35and 36, hitweev hup. 142 and 1437 . Range 28 Vir this last irow set in fath on the Rugera noad and Buy Rake road.

Nuhen iram mancments are set, yusler returne to Bay Riner Village, mia mive motor boat and retuvne for eupper and lodging to stammon's place. Signél. Bo. B Balducin.
Snnerged may 16 th 1916 to finme 13 th 1916 .
Gohn w Cure. County Surucyor Cass Co. Minn.

SURVEY FECORD 288
TOWNSHIP 142 N. RG. $28 \mathrm{~W} .5^{\text {TH P M M }}$
SECTIONS: 1-2-3-9-10-11-14-15-16
A/so T/43 R 28: Secrs 2-3-10-1/12-13-14-15-2 3-24-25-26-34-35-36
And T143 1 27:Sec's 30.3\%.
Field notes of the sunucy of a purt of the Boy Lake County Road and the nusning of lisce and estalilishment of corners in Section6, Nownokip 142 , Range 27 , and Sections
 Toumehip 142 , Rainge 28 anid Sectione 2, 3, 10, 11, 12, 13,14, 15,2, 3, $24,25,26,34,35,36$, Townehip143, Range 28 , we surve ged lyy and unden the direction of Gohn W. Curo, Cannty Surveyorf aspicted lyy 14. 7. Baldiciosi Lliprety
Wedncoduy May 44 thi 916 ; Sreakfaet ath 6 -30 ow Mise farm: Baldurpu and Tiveliv take transit and ither inviricy tools eto start from Mix-place to etart purney of the Say Lake Road.

廿ue goto $1 / 4$ cornce fitureen sectians 10 and 15 , Iups. 142. N, Runge 28 , whene wue find U. S. Fearing trees. UE contincue $/ \frac{1}{2}$ mile "West to the cvriner to pectione1s, 0, 15,16,
 Lrow wood $12 \pi 31^{\circ} W 18$ linkes $(=1188$ feet) gone.
Base Wood $5 \& 56^{\circ}$ w 21 links $l=13.86$ feet) Bace wood 9 I $38^{\circ}$ \& 13 linke ( $=8.58 \mathrm{ft})$ gone. Wie find the maple and the 5 inch Bass wood:

We. nuw go to dlave Clurté place in Sec1s, Tupp 142, Ng 28, and who agrees to boaid is while weiare working near hy.

Galduriv and Lusler hivie dinnen at Clartés ani hire hlaue clark aned therb Aitow as brush cuttere. OP. In. Balduivi with alve trunsith and chais: Nueler flagand chain: Clark and Aitw asmen: tueles and clarte go far tuancit a mile North. while Balduin and aitongo to coiver of rections $9,10,15,16,7142, \operatorname{Rg} 28$, where Baldurin Rets huh. From ald trees for true corncri trees now etwind ae follous: Maple $6 \pi 73^{-6} 61467$ feet Baesuvod $12,-172^{-\infty} 1,12.83$ fect (the u.S. noter call this fearing tree"sinch" Baxaivod.

The iroata of the Inon nood bearing tree remain and the etunifis of a baspuvod some Criicer has marked, etaidet $n 50^{\circ} \mathrm{W} 3 今$ feet: some cuiver has marked thie etump "BI". we etart randow lince East on $8^{\circ} 30^{\prime}$ variation E. at 1080.10 fect Eash set hecb: At 1700.80 E, eet hueb: at 2173.00 East set hecb: at 243720 E set hueb: at 2702.00 E, the true $1 / 4$ eorner sete forith 1.1 ob feet. As theio is so near true lisie une will set no correctidw etakee ou this half mile. Fairly govd place for road, some lour placee. quit for night: Balduris and Hucler go to Clarke.

1t: B: Balduin:
Thiresay May 25 th 1916: Breakfant at6-30 at clarks:
Baldurin Alve traneit arid Charivi juslerifagased chaino:

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Clank and Aitow, axmen: baing to $1 / 4$ comser hetwen sectip 10 and 15, zup. 142, Rg 28. where R. S. notes call for: Elm $13 \pi 10^{-6} \%$ hinks ( $=5.28$ fect). This is a bassciood. Maple $6816^{\circ}$ w 2 linke ( $=15$. /8feet) Frown there une set a hub for the tine $1 / 4$ cormer apter which the trees stand as follocver. Basenwod 13 inch, $1120^{\circ} w 6.40$ feet: Maple $6826^{\circ}$ E $18.10^{\circ} \mathrm{fh}$. We deflect 30 minictes North and etart random line Each ap 9~uniation: at 255.20 East, set hech: at 933.90E, set hech: at 1260. Eact, the schovl haces sete 70 . feet Narto: at 1401.70 E, ahuf. at 1565.80 Eart, set hieb: at. 1879.60 , set hueb; at 204180 E, set hub." fair jelace for raad, few lacu feláces.
at 2130. feet Gastenter tamaracti suramp, thie is fairly wule drained at 2670 crose drainage ditch: At corner of dece. 10, 11 , $14,15,7142, \operatorname{Rg} 28,4.8$ nateecall for following hearing tirecs:
 white jeine sinch", $1125^{\circ}$ w 65 links $L=42.90$ feet stands polainly marked: Tamarack 5 inch $443^{\circ} E 62$ linke $1=40.92$ ft ganey gone. Spruce 4 inch $870^{-9}$ w 89 links $(=58.74$ feet) gone.

A tamarack corner poet wicth pcribe marke, eeto correch from hearing tree. Guit for dismer. O.m. At 2702. 20 feel East, the true cection corner of $10,11,14$ and $15,7142, \mathrm{~Pa} 28$, sets South 36.30 feet. Correction of this line equale, 013441 of a foat in each fout.
Hub at 225.20 goes South 3.03 feet: Hubert 933.30 goer South 12.55 feet: Tub at 1401.70 ques Saccth 18.84 feet: Aubat 1565. \&o gues Larch 21.05 feet: Nub at 1879.60 gaee laceth 25.27 feet. Hub at 2041.80 gres Louch 27.44 feet:
after etarting a rundo m line north from section comen $10,11,14$ and 15 , on $8^{\circ} 30^{\prime}$ variation Baldurin and Aitow correct East random hine as shvivn above: Helen and Clart continue Narth on random lise between sections 10 and ll, 1. $142, \operatorname{Rg}_{2} 28$ :
at 76.00 set heib: at 350 . feet North le ive tamarach sivamp. at 498.60 feet 7 orth, set hub: at 710.20 set hub: Guit fovmight, Baldivin and nusler at Clarks.

Higned, ㅅ. ․ Balduris.
Friduy May 26th 1916: Breakfact at Clartes, 6-30 C. M. Balduind transil and chacis; Rusler flag, ase and.chaiso: Clartr aced aiton axmew: Tue take lunch and continue. iandomilime Nortle hitueen sections 10 aind 11
at 960 feel horth, erose logiong. nand Eael and West.: at 1263. io nortu eet hue at 1600 feet North. Crose a longuing road Nwared \& E: at 18.70.30 7 pet hub: al 25i4.80 71 , eet hub. at $2630 . N$, fence $\varepsilon$ and W:al 3106 . SO 11 , eet hub: at 3000. 7 , videe $\log$ road nw $A \varepsilon$ : at 3800 pet hubi wt 4641.00 sethechinclearing. ar 5279.00 norcto tho true rection corner to 2, 3, 10,11 sets Weet 154.30 fect ar: $90^{\circ}$ angle: airthis painh U. I nates cale for post and.

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joplar 15 inch，\＆ $40^{\circ}$ E 3 linteo $(=1.98$ fth roveto of stumps： poplas 2 inch，$\pi 45^{\circ}$ W 4 linke $(=2.64 \mathrm{fN})$ roots of．stemp： maple $4, \quad$ \＆ $30^{\circ}$ E／slinkot＝ 11 ssf gone g

Wu ret a huh for the true rection carnez frome the remaining hearing treec and mank new beaning treec widd tack as follows：

Sofs maple sinch，$n 78^{\circ} w 37$ ．Yo feet：Maple $\operatorname{sinch}$ ， $53^{\circ}$ E． 18.00 feeh．The stemps of two ald hearing trees set by cuicer remain，ful i igndre them in petting the cormer：

Zue tarl a rundom line north fitureew pections 2 auds． an $10^{\circ}$ variation：Iucler and aitow continue rasedom hive Narch hituren sections 2 and 3.

Baldurin and Clarte go to $1 / 1$ eqnace hetiveen isectian 10 and II，Lup． 142, R 25 ，where $u$ d，note call for： white pine 20 inch，$n 33^{\circ}$ E 15 linke $(=9.90$ fect）norecrilie maike，frirned stumpe，2t is pribably a Savernmext＂＂B．Ji＂white pine 1siuch． n $37^{\circ}$ w 22 hiskex（ $=14.5$ feet）Fannd lying flat anground with＂B．7＂markie plainly．shavering．
ur sit otaki hy chatin from ald ll．S．Uearinge after which the hearinge ptavd as follour． 2 vivich echite pine otump，beare $N 35^{\circ}$ E．Ssinch white pine lying an granvel，beare $n 33^{\circ} \mathrm{W}$. a new hearing thee with tackin centes of blaze． being．hard mapele bindh， 60 ．W 35.50 feet．Ah 2638507 ，vin anr inandvrn＇line，the＇truce Ve chinev eets ruect（on $\left.90^{\circ}\right)$ turice wioth burley eampsase，q6． 30 feet：Zue guit for： night：Bulduriv，ceark asid Nuselen reache Clakki hocice ah L．Do o＇clocte PM．Baldiviv aicd Sivelew sumaisuat Cleakbi hamee vires night．Sw eveniig Buldurin figurew casrection
 fallarue： $2639: 50 \div 96.30=036484$ aud $2639.50 \div 58.00=.021974+96.30$ feet Hub at 498.60 gues Weet 18.21 feet：Hub at 710.20 goes Weet 25.70 feet． 14 ubat 1263.30 gaes weet 46.0 .8 feet．Nub at 1870.30 gues weot 68.23 feet：Thih at 2514.80 gues wesh 91.66 feet：Stake at 2639.50 guee West 96.30 feet elt for hearing trees：Fub at 3106.80 gaes west 108.76 fiet tul 3800.00 gues West 121.94 feet．1ueb at 464100 Foes ivest 140.26 feet：Stake at 5278.80 ques west 154.30 fect eet． from bearing trees：Signed AF：Palduvin．Sad

May 27 th 1916 Saturday：BBreakfact at Clarker 6－30 a．m．Tusler and aiton taking henich for all go to where they guit laet night and eontinue．nandonslime North hetwres sectionis 2 and 3，T142，Rg 28：Baldivin and Clarktakeing burley compnes and 10 foot ohain ovruect randorn line leteveen sections Io aind II．When This line is corrected ure chain Moith aw rasdonshine hetween seics． 2 and 3：Chaining



## Survey Record-288

PLAT
TOWNSHIP 143 N. RG. $28 \mathrm{~W} .55^{\text {TH P.M. }}$ SECTIONS: 2-3-10-11-12-13-14-15-23-24-25-26-34-35-36


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this line mastly laiw ancd vuet and vill have to he vuell ditched, we gucit for dinner. P M. Continme Norch betucen section 2 and 3 , urorking same creve as in $a . p$. at 2378.4077 , eet hub: at 2586.50 feet North, a cruiecre conner eete 1.00 foot weet: at 2673.707 , set heib: at 2750.007 n , logging soad heare Nuwaid As: at 3030.50 N , a tach an white pine woat in wuagan trail: at 3200.00\%, a eaw mill eetr East s.00 feeti this is mostey lucu uet laind and inmat he ditched to have goid ionad. at 3300.0011 , enter tamaracte surasme: at 3450.0071 leave tammanach surampe: at 3580.00 N , ect hech: at 4219.00 17 , set hub an Magon road: at 4400.007 , eet herb: at 4450.0072 , cross uragowroad west of North; Thisis ale heaurg, cutting - Rmall bruch anch same hiq treein. mue gucit for night: Balduin and Tusler go to Cliarks for night, reaching there $6: 30 B . M$. It is an hviverinvalie, rue muist quit eurlier to mooroocr. Siqined A. Baldivin. Suseday muy 2sth 1916. Bueakfaet atillarke ot 7.00am: Buldeuiv, Licaler, clart and kitow go to. random line betruesw sectioses 2 ased 3. Castiscie Noirch: at 5108.00 $\#$, the true section evrser eits west ( $90^{\circ}$ tumel wich trameit) 220.00 feet. at corner of eectivies 2, 3, 34, 35,
 links, $(=5,28$ feeti gine Inoincuoud 6 inch, $n 45$ w 40
 Stump stands" "B.J." pluiviy shumin. Spsuce sinch, s 35 o W 20 lintes ( $=13.20$ fect) qoine. One of the ee hearing trees remain: In arder to findithic B. T. "ecribe msarks; on this tree wue hame to chape $3 . a r 4$ inches. I eet a huh and tack from 73. J. as falloive: ash sinch, $75^{\circ} \mathrm{E} 18$ links $(=11.88 f t)$ By the Nince ivehane fancel this" Bg and set corner and tied into rindonswline, we guil for dinner. PM. Wue. Ptait randonwiline Eash an Y' $30^{\circ}$ vuriatiow: at 220.00 East, equeale 5103.40 North is
 Eush, cuoss noad which rinns nearly North: at 121.00 iv Ease, set hub; at 1509.10 E.set hicbi good place forroad.
while Insler, clark aisid aitori ane continimeing Eaiak an randons hine, Baldivin ques to love for "B. A" "mark: hetrueew eectivns 2 and. 3, T, 4 2, Rig 28 . (finda none) wue quit for night: Balduvis and Licelergo to mire farpn foo the niglit and sugppes: At mix place un find letters from amro containing aosne of the trunscript
 Sigined 7 . F. Balduicic:
Mouday Muy $29 t h 1416$ F Nreakfash at Mix faim 6-2uk.m. Balduin, tueler, Claik anil Eitow, contincel Eecl an randrin lime on hoith mide T142, Ry 2 \&fetiviece 2 and 34
at 2334.00 East, ret hub: at 2654.808 the tune. $1 / 4$ corner betiveen sections 2 and 35 , sets north 34.80 feet: Cornecti: of lino $=101311$ of a foot of in each foot Each. At this corner. the u. notes call for fallowing bearing thew: Srancvood
 A $50^{\circ}$ "' 40 hints $(=26.40$ feet) the "3. D" scribe marks plainly showing: By chopping into The Maple 3 or 4 inches, the see the ald ecrike snarks"BI"are plain. Dre-seh this conner at distance and course as called for in U.S. nates. The huonvovid stood where is now a wagon... road and has fen grubbed out: at 2666.70 East, set hub: Tue continue line East and quit for dinner.

PI. Iuslen, Clark and Aitow continue randorw line East: at 3015:10 East, set hub: at 4392.00 E, set hub: 21 will be hard to build a peart of this road; Baldwin remains in house and figures corrections and the takes clark auk goes to random line betiveen sections 2 and 3 , where we correct line as fallows: $5109.00 \%$ our chain equals 5245.02 feet U.S. Chain: 5245.02 guest touch 136.02 Sacco to 5108.00: at 5109.00 North, the true corner sets West 220.00 feet: Correction $=, 043061$ ) The b at 739.10 goes West 31.83 feet: the at 1115.50 gars west 48.03 feet: 1 Lub at 1680.20 goes west 72.34 feet: In e at 2211.90 goes west 95.26 feet: She temporary $1 / 4$ Evener at 2640.00 notch, goes south to 2571.50 nortli, thence west 110.73 feet to the $1 / 4$ corner: The at 3030.50 gives west 130.50 feet: Akubat 3580.00 goer West 154.56 feet: Nub at 4400.00 goes West 189.47 feet: Stake at 5109.00 goes west 220.00 feet to true sectionconpes Insler and Aston are continuing East ow randoms line between sections Rand 35: Baldecin and tuolen at mus farm over night.

If the day is fine tomorrow and no rain tonight clark and Aiton will mat work with us, but must do their folanting: signed H. H. Baldivin
Tuesday May soto 1916: Breakfast at Mix farm 6-20 am: Baldwin hires Bill Reinke to cut brush: Baldivis Aloe transit and chain: Rustler, flag and chain, Reintre osman. Continue Gust on random line between sections 2 and 35 , T142,143, hg 28: at 4850. East, crosslog road and creetinsis. at 5129.20 , set hub: at 5519.60 E, set herb: This" -was out -yesterday bur not chained: ah 593840 E, the bree erection comer 1, 2, 35,36, seta north 91.00 feet ar this corner the $\mathbb{H}$. I. note call for the fallowing bearing trees; Birch $12, n, 060$ $\varepsilon 7$ links $L=4.62 \mathrm{fh}$. Birch $8 \mathrm{n} 64^{\circ} \mathrm{w}$ 3 links $=8.58$ feet Birch 6 inch of $20^{\circ} \mathrm{W} 16$ links $\left(=10.56\right.$ feet) Spruce sinch \& $64^{\circ} \mathrm{E} 10$ links $(=6.60$ feet $)$ These trees are gone, but the corner pat hus heine established by a later survey as is accepted by the natives as correct, since this country iras apewed for homestead entry: While tue tie in this corner to rasdorto

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line, Rinke Anines his are into log and cuto in tuo, ounioufoot steel chain: 13 aldurin sende hims to Remnen to have chais mended: Balduin and Jueler etart a randasm hine East fearn section cornce!' $2,35,36$ alony sup lime on $8^{\circ} 30^{\circ}$ variatidn: at 241.60 Eaph set hub at prinh onsintersection on $n$ aud $\mathcal{N}$ random line, ketuncen sectionsil and 2 . the swangle reade $89^{\circ}$ II' $^{\circ}$ Whquit for dinmevi.

In PM: Balduin and Nucler take Bucley compace and pace East alang Zup live hetwueen eectidna hand 36 in nugp cornce:, 6, 31 and 36, where we find the tume comer:-

The U \& natex call far post and fallouring heuring treex: white Rak 5 inch lacith 12 linker ( $=7: 92$ feet) Binch 5 inch, $140^{\circ}$ E/1. hinks, bane. white pince 96 inch, weat 9 links, $=5.94$ feet the stump of the' 36 inch white pine and 5 inch zohite oak memain, hut mo:
 Sur Mis is ivilling to testify, that he eurv scuile marke on wehite jeine, lefore the fire: shis wnithawh daubt, is the tren, Tucunchip cormer: Both stwmpes check aut for distance withpreeent word corser: Baldicrin and Nielen retucn and continue to cut random line. Eaet heturen pectione land 36:

Balduin and Euelen at mix farin aruew ziglit: Rinke retume wich 100 fort chain mended. Signed Hl. I. Baldivinu. Wedmesday, Muy 31eh 1916: Breatifastat Mis fammah 6-15:a.m.
 chain: Juelesiflag and ehain Pintee, aswinani Chaining Eect an rusedain linic hetween sectioneland 36: at 405. bo Eset hue. unaqum road 3 feet might: at 741 . 10 Eact pethelh. uraqow road 15 feet Left: at /372.40E, ecthiel. vuagoir noad bifeet Right: at 2068.60 , set hieb: Twayovv soud foect left: at 2246.70 E sethed, uagon road 30 fect lipt. Luad place for road : at 2 iso. Eacl. enter nuet mead nev: ah 2610.008 liave neaduw: at 2616.60 East, set hish sh 303800 Eash, eit herbi whew the raisu atrikes us abaut 3. PM une guit vivit: It continuea to unisi and wue go to hwuee where ver remain the halance of the duy: Bulduin ans sirler at mix farm oues night:
 Baldurin alac transit and chuin: Tugles flag. chain ave axe: Rinke arinan: luing ti mandani line hetereemisectione lacel 36 vie continue Each: at 3275.00 E , set hub, at 3699.50 E, ecthech. 426.3 .00 E, set hink; at 4800.00 E; set hue, fuir jelace for road: Lurie grad ditchee needed, ict 5319.40' Eash, true twip comere setw inorth 59.40 feet. Guil for dinsere.

QM.. Gain : Palducis makes ant sompe Rills to Cas countij: Lusler starto aub to wrork but as it beqiser to rerin
 and etwiti" verecting nandom line betivecin sections land36. Shen quit Ho inight: wint in haccee diving rain: Balderinu

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"figures correctione: Balduri" and Lusles at Mis aues night: Signed : 7 多aldicin.

Friday frue 2ndi1916: Mreatifasl at Mis 6-15G.M. Susles aced Rinke go to $1 /$, cirnes hetwrees pectione land 36 , and ptart randem line norch, touard niver: Halderin comeis áres iabouk noduacel helps chain yje as fallous at $386.507, a \cdot h u b: a n 170.107$, a hub: thei chainage etarts from random lise and not fram li carmer quit for dinser.

Oh. Nuslev ivich Foh Mis gals to rasidosn line sumning
 and chain Noith: Baldiw has ch aiw correcting ither caicdorn hine Gjter Balduin and Pinke finich correcting Roglna Raad, they eorsect random line bitween sectiane 2 asedss, ax follour: Wub at 220.00 goes North, 2.88 feet: Hub at 72100 gues harth 9 vs hect:
 Stake at 2654 so peto Horth 34.80 feet to true $1 / 4$ corner hetucenivectione

Contimueing Eash, Salduin aind Thinke orrectivanilum live Theb at 3015.10 E, gaes inarth $6.16 \mathrm{ft}+34.80 \mathrm{ft}=40.96$ feet: Hub at 4342 . oo E
 $3480=7715$ feet: Stake at 5938.40 Cast gres Horth $56.20+34.80=91$ oflest to true section consesat1, 2, 35, 36: (eorrection equals.01712) ( +34.80 feet)

Balduis chaiges hix time to Rogers road, aned Rince to Boy Lake road. as the work was done in abow this pirapostion: Bulduin aud Husler at Mix omei night:

Receive mail from Curo and mvtice to go for mail at Boy River tomonevir:. Qw random line Ease hetikeen pections/ aice 36,7 wh ai 40.5 .60 , gais Nouth 4.53 feet: Thelab 747.70 , gues houth 8.53fect: Tub at $13 ク 2.101$ gues 7norch 15.33 feet The at 2068.60 E, gives North 23.11 feet. 7 tub at 2 2 46.70 , gois North 25.10 feet: Stake al 2659.70 E, goes Norch 29.70 feetheing $1 / 4$ comen then at $3038.00 \varepsilon$, given North 33.93 feet: Nub ar 3275.00 \& goes $n, 36.58$ feet: Rub at. $3699.50 E$, goes $M$, 41. 92 feet: tuh as 3989.55 , gres $71,44.55$ feet: being $1 / 6$ comer: Stake 5319.40 E gves North 59.40 fect: (carrection $=.01117$ ) Saturday guve 3rd'/9/6: Chacidy in morning: light shocvers: Breakfast at mix 6-00a.m. Tỉaldurin husy making acct billa, ivriting notesietc: Tusher inith Rindee contincies randivn line Nouth on East $1 / 6$ line thren Section 36, TV43 Rg 28 , at 1675.30 N. . hub: at 2002.00 N, a.hub: there vue deflect 26. $00^{\circ}$ Ne, and sturb in to chaiis ow this éverse virth this hul as zero. at 329.30 NE , a hub: at 770.00 NE , ald log atables 1 solejt: Ar nsoft Ne;
 at 856.60 ft ME, a hub boat pier 25 feet to Dight: This hech ia an South Rhore of Buy Rincs:

The niver hcre is abaut 300 feet aprose and the irivith shore ix a Ruramp of dead cedar abrich 3. feet under zirates unles tho uater goen ducvu, wue ruill haire to ruade: thevirateri

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is cold. Wu.will sunnecy the roud that is an the duy laud and leave this to the last when the meather is unmmen. Balduin eamnes down anid. we all guil und retun for dimnev: Lw P. M, Balduvin and tuskes at mixe, pack up autfich anil apter dinive carry to. Camps 3. where Hof Mnix with. Pinher takes us Eo Porg River-fare \$1.00. Anvive at Toy Ainer, wuego to popt opice for mail seccive County hill fram Guro wihich rivith fills for Buy Later road and Rogere noad, nie sign hefore a Hotary: Balduini jeapo hotwiy feer, 754 I hills for Relel and, for tusher. Eue joph abvue hills to Bicro bogethen wich inato hoate on Rogers road: Parcel poch incured for I5. Pastage paid hy. Baedurin $10 \neq$. Daluhisivand Luclen go to hotll ancd wisih fou heung shwurn to he aven: Pain continues for same time untilil is to late to go ant cruiping: Tue resnaivat hotel at RBuy River aver night? $A$.7. TSaldrisu.

Suiday Gune 4 th 1916: Breatyash in Loteliat Boy Riveo 1-3. 1 Clvedy in morning: Kalduris and zusler taking lusichand surley compase, and so foat tape uralk upe So line tracts toncrad Federal ilam: We find wo ane in Bhay Rivew whe bnunve ancything about corinere on touth side of to Line tracke: we ree Piersan - a hoinecteader, on elacth side of tracte huc he cammat as will zoot"tell usmuch: ms. Lettman wh. lives on inorth side of "track, shouve
 Burley compase ure jexce ts siole mest, nootly theu tamaracte seriamp, to lelazed eection line betucun sectione13anch14, Zue pace Aucth to pection eonnen/3, $14,23,24, T 143, R 28$ where $M$, n. noten call for fallacuing bearing treeo:
Tamcarack $10 i$

$C=5.94$ feet 1
$l=13.20$ feet
$i=25.74$ feet।
$L=16.50$ feet) gove.
Three of theee hearing treee rensain rich pcribe placily shouring: From corner they etand as follouv: Fanarack 10 ivch. $842^{\circ} \mathrm{W} 5.94$ fuct: idmarach 10 inch, $131^{\circ} \mathrm{W} 13.20$ feet. Iumuracte finch, $n 1 \prime^{\circ} \Sigma 25.74$ feet. Wue licel ald cornen post which sets ÓV. T. For cucuree asid distance. Gpter
 sapily furund vuernalte Hortl $1 / 2$ mile, to $1 / 4$ cormes hituen sectione 3 and 44 , where $\mathbb{H}$ is. notes enle for: Fir 12 inch, $873^{\circ}$ W 48 livike ( $=31.68$ feet) dlecayed Rtcump semaiscs: Fir 5 inch, $110^{\circ} \& 62$ links ( $=40.92$ feet) 2 uee standing ivith perihe narks shouring:
ine eet a huh ak true $1 / 4$ eqrner al abore decitance from" 73.7 "and etump, foth of which cheche vich above
nates for be airings:
Baldwin and Lushes now uvalte ant to too Line Frack which we follow hack to Bay River hotel, where we arrive shortly after 5.00 Pm . We remain at hotel ares night: Bath make inquiries for men to cut break, hut all new willing to works are heresy: We can use two or three good men to good advantage: Signed. A. F. Baldwins.

Monday Gimme 5th 1916: Breakfast in Boy Rivenhotib, 6-15a. Tue try to hie men for brush cutters hut rich no success: Baldivin writes letters to Cues: Tue find no one willing to work for us bit one boy with a sore humid and cannot use axe. They are paying 25 and 30 cento an hours for loading ties, pulp wood, etc.

Baldwin and Isles take hunch and walk up track. Tue meet a maw by name of athertow, who is building a shack on the north hal of the $\bar{T} . \mathbb{C}^{\prime}$ quarter af Section 30 , T143, Ag, 27. Eve walk to his shack with Athertow about 3/4 of a mile along ald $\log$ road, all the way visaing ins water to boot topes or oren: Ur go to sh lack and red up and write nates and eat hush. Halduvinand Iuclevdirected by atherton, go to the 14 corner bitureen sections 30 , TI 13 Ry 27, and Section 25, T143, Ry 28. This is on a ridge of High ground with the big swamps, Torch aud. East. Ar this Ns corner $U . S$ notes call for:
Sugar 10 inch $730^{\circ} \mathrm{E} 1$ l links, $L=11.88$ feet gone.
Sugar 12 incl \& $75^{\circ} \mathrm{W} \prime \prime$ Sinks, $(=7.26$ feel/ still standing
From the 12 inch true ur set a hub with tach for the tune $1 / 4$ comes. Atherton can rework for us in a few da ge, but he is at present fury making his shack, so unedecide to run the ce hines later, and rill uvirk near Federal slam for the present. Tue return thew the big revamp, to the Roo Line tracks where Luster walks to Buy Rises to get airfit and go via train to Federal dean Baldevin waller upi tracts toward Federal klan and tries al farm houses for men to wort and a place for us to board. Mr: Wary is willing to wails ivhew the line is near his home. Tue find a jelace to board ivich Mr. B. A. Fanon. after sinking arrangesnento for board, etc, Baldivin walls to Federal ald and meets Fueler: tue take push of survey outfit and peach it to tianmonis: Paldivin and
 Hesday Grume 6 th 1916" Threatifact at Ham movie 6-s:a.m. Baldwin aloe transit: Fueler flag and Chain Eugene, 14 Way, as man: Going to $1 / 4$ corner beteveen sections $13 \times 14$, $7143, \operatorname{Rg} 28$, where Baedurin and Lushes established the Vt corners on fine 4 th, 1916 at 71 . Wi. Corner of hay meadow, we chain i South on $8^{\circ} 30^{\prime}$ variation: at 100 feet Louth, leave meadow: ar 186.308; a hub ion top of ridge; al 300'focch.
enter swamp of cedar and tamianack: at 40.5 .408 a hoeb ins sump: at 831.60 ft 8, a huk in suampl: at 1225.60 fi:S, a hub in suamp: at 1648.70 ft Lacth, a huh in swampl at 2103.70 fl So ahub in wuamp. This will he aw expensine half mile of road: Some of it nerig inet and chaty. It a ains aich uie grich for the day in the field. We reach home aboit 4.300 m .vet: The raino. continues al intervale. The halauce of day Baldwion write field notes: Baldevin and Iuslev stay atstarmonis onew night
Wednesday geme 7th 1916: Choudy, threatern rain: Preal factal Kaimonie at 6-15a.m and wich 7t. 7 Baldivin, 6. L. Dusler, Engene way and m. Comstock (a mani working fow and furnisheid hy Mir. 13. a. Nammoni go to random line and continiue Susth betruein sectivns 3 and 14 at 2646.60 feet Irecth, the tive section conmer to $13,14,23,24$ seto Each 20.60 fect. This cornersets in suamprand was located By Balduin: aid Iucler when cruieing gure 4 th 1916 . The variection equals .007784 Eash: Correcting raidom line, huh at 186.30 gaes East 1.45 ft 14ub at 405.408 , gue Eart 3.16 feet: Thub at 831.608 , gaea Earh 6. 47 fiet: Whh at $12,25.60$ S, ques Eust 9.54 feet: thenat 1648.90 .8 , goes east 12. . 3 feet. inh at 21.3 .70 . gues East 16.27 feet. Itub at 2646.60 Si gies Eact 20.60 feet section conner. 7nom the corner to cections $13,14,23,24$, ue stait a new nandom bine borth an $8^{\circ} 30^{\prime}$ variatiow. Ch Mining Sacth betiveen. ectionse 23 and $24,7,43$, Rg $28:$ al 300 ft, leave suamp, cedur aicd twimaract: at 44140 ft 8, a hib at $\$ 18.1008$, hich; ar. 850 fl taich enter pwamp, wot nery ruet: we quit for linch.
after hich, 33 aldurw uvalks up to Henherh foaberge' place in Niw /4 of Sec $24, T 143$, Ry 28 . Ioshery agrees to worte for ins in $\beta$ M. Bueduin. Jusler, Way, 又tarnon and 7osherg continue buicth beturein cecs 23 and 24 :
ar 11400 \& leame iueh grainied, enter high lundi at 1424.60 , a hib: ar:1700. 0 , a hub, at 2419.50 , a hueb-at 2634.2 . feet swith set high. From hece bactr to hub1400 1 , is weriy goved place to frild ivad.
abbit 3 pm Fildurin aind Cametoct (lometock is mas furnished hij Rammon) gi to randorn hine baich fram $1 / 4$ cornior beteven ecitions/ 3asid $/ 1$, aich correct hubs ae shoun above: Eveler, NWay and Forsherg continue fouth bitinceiv eictione 23 and 24
 who bringo litter from Grespaying he is to viork ow this purney. Luranherg has heen hunting indw manment for ure in purvey of 1 poy Lake rivad:
 with tarmain. Siqned 7t.7. Baldivin.

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Thursday funi fth 1916:. Breakfast at Rasmonie 6-15a. M. Rain till $\therefore$ abact 900 C.m. Baldevin writes nate, di not go acel to worte $\therefore$ ow accaunt af rain; hect wait at trarmonie for veather to clear. Wue haire an early dinses and leame alouk/2.00 ólock for rasidos hime hetwees sectians 3 aced 2 of which we continue Lacith.. Balduvis alve trinsit and chain: huanherg
 at3254.80 , a hub: at 3586.608 , a heeb: be 4072.00 h, ca hect: at 4805.70. : a hub : at 5200. S exter ruannpiat 5480 l leave evamp: ap 5.576 .008 , a hicb; at 5800. S, inter Rusanp. Zue look for carner -torecs. $23,24,25,24, T 14$, R 28 hut this coustry has heen heunced off a couple of timnes and vue find no hearing trees so ebitinue raskdom line Laceth: Baldivisu, Dueles anel Sivanberg at tavmons. Tue reached hame 6.000 M .

Iridary gume 9 th 1916: Pained at 5-30 $4 . m$. then light shouver Baldurin ind thowaid Swanberg go to Suranherge place and git 2.iron mommsmento sich caps, which belong to Caes Conenty and take Luanbergis team ancl talre the irone to soo line wepoh at sideral dlam: SBalduin veaita for train to see if there is ancy letters from Curo none comes: Suranberg takes team bact - we reach Narmonis for dinner at 2 - 30 Pm. Tueles takes Way acid
 aicil continimes succh: at 5995.008 , a hut: At 630 otaceol, léue puramp : at $6459.308 ;$ a herb; af 6650 sintercedar eveamp...al 6888.00 S, a hub: This is an eqsy pelace to fuild a road;
quit at aboch 730 feet. Avich: This is very hard cotting The Main etwrto hiefore oólock anedlaets shore than an houri Apteridinmes ai Aurnonis, Baldurinanil Surankerg etack to walik to riork with Iusler bur raine trikes ves an the iway and ive etay in ehach till rain is ouer: Dusler aied way are retinning ruet to thi iskin. St is nivi too late to retcren to work todaygas ure have so far to uralt.
$\cdots$ Baldivin sends. Suranberq to federal shan to slip ibivon momementw Via to freight to Roig River to be set on the "Lolaud." Freight pail by Baldurin $26^{4}$ : Baldurin asil Zushes neiuch Harnons $3-36$ P.m. Baldurin writes zates: Husler, Baldurir and Sivanberg still stayinigat Rtarnanis.
 - Aloe trahsit aiid chuin: Jusher ase and flag: Lumanlesg flag aind Chain: Way aned Forsberg asmen: zue all take Hinch aned go to rundom line hetivecio sectione vsandi 6, aquiue $7.00 \mathrm{a} . \mathrm{m}$. Continue Sacich: al 7305.80 s a hub in furset sjoace: at 7600 \&, leave surampial 8360.70 , a heebon high ground: ab9126.00 \&, a hub ow hiqh gromive: at 9450. Tactch enter water backed irp from Baig Miver bood place to build road cheap: Zue cruice Ramie time trijing to firid ticarner ar

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beariong trees hetiucen sectione $25 a n d$ 26, T1 4, 3, R2 28, andae we do wok. find this continue nandon lisce Laccth tuy and ffind the cornen to sectione $25,26,35,36$, whe watep for il oo feet is waish deep; this is full of dead tumarac to marieh oredqe af river: Ah 10560.8 , we eet stake on random hine and hunt Eand W, fou eorsiv: As we are all the time vrading maiet deep in the urater, aned the foaling is a sprinigy bog. vue are at a disadsantaige.

Hue find zo heasinig trees, hut at abucet 10380 feel souin an rardan line a erriserslino of blazed tries run Norct and Sacth, aid Eash \& west, interecting, abouh 2 oo feet East of acv random line: Bleing unable to fined Shearing treer, ue return to dry land and lodp for $1 / 4$ evrner hetween eections 25 asch 26 , again, and abouh 180 . Heet west of rundom line vue find a $1 /$ 's fost squared $^{\prime}$ up hut so hadey hurned, wo scribo nuake show. Tuo eedaw trees here chect for cuccese ancel distance ueny near to precenth $1 / 4$ jedsts.

Zue grit for nighti aid arrime at ttammonie 6:15PD. where Baldevin, Lusles os hanberg, etay. It. 7 . Baldevin Lunday gine 11 th' 1916 : Baldevin, Liéler aice Suanberg all day al Rainiaus.

Mbinday Gune 12 to 1916: Breatfact 6-1sa. M. Susles walke to H3ay Dinees on unay to "Solaned" to sel inow monumento 13 aldevin, Skanberg, way and toreberg take hsonch and nualt to $1 / 4$ cortier ow range linc betuen sections 25 ancd 30 , biturreen tupps 143 , Rg. 27 and 28: Wu have a hard tinne to fivid this conner which Balduvin aind Duslew set a wreetr ago, Kut they malked to it from Hoy River: it takes whale farenvow to fincd it:

In P.M. Ene. start from $1 / 4$. cornew and rus randons line West on $8^{\circ} 30^{\prime}$ Variation: (In ecctiow 25, 7143, Rg 28) at 202.30 feet west, set hub: at 255 w, cuos hig, road cut lash year. This runs de to Range line, thence Saich to the river: at 300 w , enter sucamp, spuuce, taniaracte, cedar, at 600W, a huchin suamp:at 122720 W, a hieb in suramp: Thio cutting is allin thich ecdar suamp. rue guit work for night: Baldurin and Suranberg have supper. and lodging at 1 harmionís.

Tuster leanes thammons after freat fact and walke t. Wuy River gets Ray Mix wich motor boat to take him and 16 . inon monuments acroes to \#3. Fare $\%$. Mix team haule isone to mis farm where susler taker dinner, and in PM, Musler gues wich mis and teans and distributer irsus to be set later: Leam returne from wallis place abouk 3:00 PM. Iusler divies inon moncenentalat corner to sections 9:10, 15,16, also at $1 / 4$ corner fitcueen sections 10 and 15 , in Iupe.142, R'i 2's. then qous to clartes for rupper and ladgink...

Tuesday Hume 13ch 9116: DRain 6:00 a.m. Chan 1:00a.m. Nuder has breakfast at clarke, Inclulandceart take lunch and $g o$ to comer of sections $10,11,14,15,71,+2, \operatorname{Cg} 28$, and drives in ar corner, and dives in on comer abs at ty sections 10 and $11,7142,728$, and a
 at Me comer hetman suctions 2 and $3,7142, Q 28$ with two bearings as follow is: $A$. Wat 22 inch, due East 42.60 feet. Maple 10 inch, $875^{\circ}$ wi 32.20 feet.
 2,3,34 and 35, on town line betereen 7142 and $143 \geqslant$, Range 28 10 , with following new hearings: Elm $24 \mathrm{inch}, 850^{\circ} 2042.60$ feet
 (marked with tack)
at $1 / 4$ conic hetrieen sections 2 and 35,7142 , and 1437 , Ry, 28 W, set in ow monument and mark new hearings with tact as' follow: maple singh, $n 43^{\circ} \mathrm{E} 32.40$ feet. As comer to sections $1,2,35$ and 36 , between T142 and $143 \mathrm{~K}, \operatorname{Ag} 28 \mathrm{~W}$, they set ir n monument and at the $1 / 4$ cones heteveen sections 1 and 36 , beteveew 7142 and 143 K , $\operatorname{Rg} 28$ $w$, they drive iran monument and sic new bearing tree with tack as follows. - Spree $\operatorname{sinch}, n 26^{\circ}$ \& 44.00 feet:
at the East $1 / 6$ corner hetereen sections land 36, 74424143 7 , Ag 2 8W, where the Day Lake road turns North to Camp ${ }^{73}$. drive iron monument also drive iron monument at north eactecornes of section $1, T 142, \mathrm{Rg} 28$, being the northuct earner of section 6 , Taps. 142, Ag 27, being alpo the bowtheret comer of erection 31, 7143, Ag 27 and the Southeast corner of section 36, Luge 143, Pg 28. (Curd)

Iusler also sets irons on Rogers road the cast of setting 16. irani is: Musher 2 days $\$ 4.100$ and 2 days hoard ${ }^{1} 2$. Misteam 1/2 day" 2 . Mix boat livery ${ }^{2}$. Clark /day \$2. Total cock \$12. Fo of these irgno are on Rogers road, so will charge Iusleve fine Sch and bowed ${ }^{* 2}$. and $\% 1={ }^{*} 3$.to Rogers road and balance to Boy Lake road. Reteven to Buy Rives fare. \#/. Dueler walks to taimone.
theany rain at 6:00a.m thin clears: Baldwin gets breatfact at 7.45 a .3 . at 7 tarmons: Start to work about 8 : 00 atm: taking Swanherg flag and chain: Way and Forsberg aspen:
King lo random line about center of section

Booing to random line about center of section 25, 71, 43, Ry 28, chain West: at 1651.20 West, a hub in swamp: low wet land': at 1700w, leave timber, inter bush and willows: as
2184.60 a hub, wet land, villous, down dead cedar: al 2910. Ne, a hub, land' higher and drier: at 3300 West, land high and dry: at 3547.30 w, a hub, land high and dig; at 3700 wed, enter clearing: At 3980 west, a shack sets North 50 feet: ar 4030 . W, leave clearing, enter willows and nuance, at $4250 \%$ leave revamp, and enter high land; then quit for night and reach Harmonic about 6.00 m where inc find suer. Baldwin, tivabing arch tulle

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Wednesday fine 14th 1916: Rains at 6:00 a.m:cheare abouch 10 a. M, heavy
 compile and copey notes all $a$. M. We have anearly dinner anch plan to leaue for rivete huk heany shaurere ak $11-30$ to noon un leave faz raidom hine thur Lection 25 , a little after 12:00 oclock. Continueing West: at 4349 . W, a hieb an high lancd: at 4600 w, a hub on high land: at 5390.80 west, the true l/s cormer feteren pectione 25aicel 26. sitr nircth an $90^{\circ}$ angle. 159.90 feet: Correction for each footis - 2966 of a foat north foreach fowh west. Tue continue naudomeline. Weet to "P l." of $n$ it random line hetween secs 25 and $26: \pi \varepsilon$ angle readr $86^{\circ} 53^{\prime \prime}$ " $9 . " 5.615 .90 \mathrm{~W},=8069.20$. Kowth: Fire tie in this random. hine to $1 / 4$ coiner grieng Laceth betirren secs 25 sud 26 as fallowe: at 789.7.40 Socth, the $1 /$ cornersets East 21.6.00 feet: Wue tuke transih and toole to log road that nucle be an the way to the range line, and walfe hame arriving at ltammoisb-00 P. Bm. Balduin, moler avel Luanberg otay at Larmond. Ligned H1. Halduin . Balion
 Swanherq at zamsonswaitivig for weather to clear: Pain in forenoro. ehwevere tile 10.30 a. m. Baldurin figures carrectione. and writes nates currections for randamelinc threr dec. 25, Lup. 143, Rg28. are as follacis: Biub at 2.02.30w, virecto north 5.99fact: Twib at 600 ft. West correcte North 17 . So feet: Lub at 1227.20 w , goex. Nouch 36.40 feet: 2 ubat $165 \%$ 20 W. goes Jorth 48.9 nfeet: kubat, 2184.60 W, gaes North 64.80 feet: ALib at 2910.00 . W gaee north 86.31 feet: Theb at 35.47 .30 wigves north 1.05 .21 feet: theb al 4349.00 W, gola noreth. 128.96 feet: Kub at 4600 weat, goek north 136.44 feet north: 1 tub at $5390.80 W$ goes north 159.90 feet to $1 / 4$ corner between sectiane 25
 Cedar 10 inch, $\cap 36^{\circ} \mathrm{W} 24$ linter $(=15.86$ feeh
Cediar 14 inch, $780^{\circ}$ E 25 linko $(=16.50$ feet . The 10 inch cedar ix in thi ground hadly hiurned with no pcribe marke shouing, fulk.. thio is undocibtedly. the hearing trev: The burned acid rotted. routs of the 14 irichtree remaince, and a $1 / 4$ corner poot baidly. burned sets abiuch 5 . feet avray.

Baldivin writes letter to Curs and guea to federal lam to ponh same: get mail and make arwangennente to have irone hauled doun from Soo Lime depot: Mr. Shoemaker kindly agrees to delicu kame and makle no charge for suvicce: Balducin neceives letter from curo aul form for meleare of Lnmages for change of Boy Lake Road from center of rec. 14, to follain pection line north to corner of $11,12,13$ aced 14, T143, Ry 28 , thince. West heturen secs 11 and 44 and entinueing. to Fideral hlam as hefore etated in petitiow if Baldurin saye $1 / 4$ lime thin Rection 4 , he imppracticul for road:

Nueler, Luanherg, and forkherg, after dinner, go to the $1 / 4$ corner on rainge line hetween pece. 25 and 301743 Rg 27 and 28 , and starklline buicth an $11:$ warialion, turned $90^{\circ}$ with transik: Baldurin and Way, correch $1 / 4$ line thro eection 25 as above: Beginning at hub 3547.30 westive correct Each to $1 / 4$ corner hetueencece $25 a n d 30$
where we chain bouth on random line fetivcen 25 and 30 on which Jueles and crew are cutting: at 215.90 dauth a hieb: at 702.20 , a hub: at 1191.008, a hub: wue guik for niqht ati4:30 PM. and reach home at 6:00 óclock: Balduin, Mueler and Dwanherg at 1 Barmons ouer niglet. ligned if 73 aldutin: Friday fune 16 th $1.916:$ Mreakfast at 6:20a.m. Rain slightly in a.m. Iusler, Kwanherg. Way, Jorsherg go to range line aned continue, line Locith thre, very heany citting fectuces secs. 25 and 30 : Balduvin ciucicing for "B. Jo" alvng rindom hetween sece. 23 and $24,-25$ and 26 : we ale take hunch wich us. Buldwin finds the ald corner and "13.7." to 1/4. cornes between eecs: 25 and 26 , then goer and takee hench with rest of crew. P. Ale continur Saicth between eecs. 25 aned 30, very haud cutting: at 1628.208 , a hub iniheavy cedar aind balsam at 1998.608 , a hub in heany cedar avel balsans: at 2540.00 I, enter water backed up from Boy River: Not wery govd place fon road, ueng Rivanpy: at 2673.80 in water backed up from B. ing River: the ture carmer to sece $25,30,31,36$, eeto w 84.50 feet: Correction West, ie. 03160: The Soceth 130 feet ofnichine is in water aboul waish deep: u. S. nater call for tamaract sinch, $140^{\circ} \& 16$ linke $=10.56$ feet) stump and scuibe snark "B. T" plainly ohviring: tamaracto 5 inch, $n 78^{\circ}$ willinks ( $=7.26$ feet) stump and scribe marke here are plainlyshowing: tamaiach Iinch, $f 30^{\circ} \mathrm{W} 20$ linke $(=13.20$ fect this otumpblazed, hit no scrilve marke: tamaracic 8 inch, $845^{\circ} \mathrm{E} 22$ linke $(=14.52$ fiet) this tree stands deud uith all marks ehouring. all ald U.S. trees nacu stased as fallous: tamaracte stump $8,7.48^{\circ}$. 11.56 feet.
 distant. hew bearings set as followes:
Cedar 6 inch, $\cap 75^{\circ}$ w 1.5 feet: Ar this corner ue set 4 incl cedar $\therefore$ post 6. feet long" marked" "true comer" with water-proof pencil. Me all retwin home taking torls, transit and so ow.

Reach thamonis fousupper 6-30 PM. Thaldivin, Lurler aud Livanberg stilb staying at Alarmons; Signed 14.7. Balduvin.
 and Way, ofo to $1 / 4$ corner between RecR. 13 and $14, T 143,0$, 14 28 aind start random live west an $8^{\circ} 30^{\prime \prime}$ wariatios i (turn 90 to fouch random line) Chaining West thro pection $14:$ at 410. 60 . W a hub. at 991.20 W , heb: at 1353.40 W, a hub: goto tammons foricuch: continue west: at:1717. 20 W , a hib: at 2100 N crose ald iraad at 2152. 80. Wra hich: at 2300 W , enter eedan suripp, not wet ihigh 'land, good place for road.

Balduin and Jarsherg take lunch and 4. irsn inonmmenta airel go. to range live between ranges 27 and 28,7143 , Sectione 2 sand 3. , leaving irons near cornur jeorte along raute: ah $1 / 4$ cornen betueen 25 and 30, vue drive iro cornev anid correctiranidons line as follows: Itubat 215.908, goer Neet 6:91. Wubah 702.20 , goes weot 22.19 fiet: $\pi$ ub at 1191.00 g ques Wiah 37.64 feet: iftake ah

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1336.90 South, goes west 42.25 feet to louth $/ 1.6$ conner where we place birch corner post 3 inches square. Il looks as if road should run Louthevest from this corner poet: The b at 16.28 .20 South, ques West 51.45 Feet. Hubat 1998.608 , goes wet 13.16 feet: At each of there hubs" we set stake marked" Lure section line" hut do not mark them road center. 21 still looks as the the road chawed run tavthures from $1 / 6$ corner: Tue now waite about $3 / 4$ mile west atongraudome lime west three Sec. 25 and Baldwin, Forsberg, edtoliench an in O.M. finish correcting random $1 / 4$ lis sect, the section 25 and we set in on at $1 / 4$ corner between section o 25 and 36. Dup. 143, R 28 .

Now giving to $1 / 4$ cannes between sections 23 and 24 , Dup 143, R 28 whine $U$. S. notes call for following bearing treed
maple 6 inch $n 70^{\circ} \mathrm{W} 6$ links $=3.96$ feet gone. maple since maple 6 inch, $n 70^{\circ} \mathrm{W} 6$ linker, $l=3.96$ feet $)$ gone. maple singh. \& $12^{\circ}$ \& 23 links $l=15.18$ feet) this stump standing -this 5 inch stub phons scribe marks from which eve seta cone past. at 2644.40 South, the true $/ 1 / 4$ corner beteven sections 23 and 24 , sets East 87.80 feet: Correction Each per foot equals. 0332 of a foot: Balduin figures correction: hubat 441.40 Roccth, goes East 14.66 feet: heb at 919.60 , goes East 23.89 feet: hub at 1424.60 d, goes East 47.20 feet. Lubal 1700.008 , goes East 56.44 feet; hub al 2449.50 , goes East 81.32 feet: Stake 2644.40 South, goes East 8780 feet. We correct three hubs north from $1 / 4$ and quil for night. Arrive al Harmpis 5.40 Pm. where Auster and Nurnberg are already here.
signed B1.7. Baldwin.
Sunday fume 18th 1916 : No work in the field, but Baldwin writing notes and figureing correction nearly all aftermost signed 1 ri. Baldwin.
Monday Gun 19th1916: Breatefact at 6-15a.m. Heller, Forebery. and way go to $1 / 4$ line in Rec. 14 , and continue west on random line: at 2567,30 W, a hicbin cedar, dry ground. at 2962.50 W, a hub in cedar, dry ground: at 3300 W ground wet, will have to be cordurayed; at 3496.90 W , a hub: at 4250 W , enter birch and poplar high ground : at 4254 \&0 a hub.' there is higher ground North 60 feet.

7 aldrin and Svanberg go to random line between secs. 23 and 24 , Imp 143 , R2s, and finish correcting line north to section corner of $13,14,23,24$ sup $143, A_{2}$ \& where we dine an iron corner:

Tue now go ane mile Loud where we have keen unable to find $U$, S. Searing trees, to corner of $23,24,25,2$, Sup. 143, K28:. No ald corner post is here, this han been burned a couple of times, so at a paint half way between $1 / 4$ corner between pee 23 and 24 and the $1 / 4$ corner bitucen pecs. 25 and 26 , on ans randoms line South 151:90 Sect East of 5270.90 we drive iron for true.:
section corner. hub at 3254.80 B is bach of $1 / 4$ corner, 610.40 feet and goes East 14.89 plus 87.80 feet equals 102 . 69 feet : hub at 3586.60 Succoth, is south of $1 / 4$ corner 942 . 20 feet and grues East 22.99 feet, pele 87.80 feet, $=110.79$ feet: hub at 4012.00 Succoth io South of $1 / 4$ corner 1427.60 feet and goes East 34 . 83 feet +87.80 feet $=122.63$ feet: 1 tub. 4805.70 \&acith, is louth of $1 / 4$ earner 2161.30 feet and goes East $52.74 \mathrm{fh}+87.80 \mathrm{fh}=140.54$ feet. Hub at 5270.90 Louth, is South of $1 / 4$ earner 2626.50 feet and goes Each 64.10. feet +87.80 feet $=151.90$ feet: Fu . 5576.00 South, is fact of $1 / 4$ corner 2931.60 feet and goes East $71.44+87.80=159.24$ feet. hub 5995.00 South, is b auth of $1 / 4$ Conner 3350.60 feet and goer East $81.76,+87.80,=169.56$ feet: hub at 6459 . So S, is och of $1 / 4$ Corner 3814.90 feet and goer East $93.10,187.80,=180.90$ feet. hub at 7305.808 , is Larch of $1 / 4$ corner 4661.40 feet and goes lark $113.76+87.80=201.56$ feet and heb at 7897.40 , is lace of $1 / 4$ corner 5253.00 feet and goer East $128.20 .+87.80,=216.00$ feet. This correction Cast, $=.0244$ of a foot, +87.50 feet. Baldwin and Suanherg correct line as shawn above.
at $1 / 4$ corner between secs. 23 and 24, Rus $143, \mathbb{R y} 28$, we drive a standard iron corner with cap, and eh new bearing treed tack as follows: Balsam $\operatorname{sinch}$, is $42^{\circ} \mathcal{E} / 8,85$ feet. and return to Harness at 6-15 PYm. Baldurin, Lusher and Suranberg at tharmons.

This Mas primary election day, bul neither Way nor Forsherg cared to vote, tho' 2 gave them the opportunity. Signed Nt. 7. Baldurin.
Tuesday fume seth 1916: B3reatffash 6-15 G. M. Baldwin Tusker, forsberg, Way, and Swanking all taking hench, go to random line tho section 14 , Lupe 143 , T2 2, and continue West: at 5241.30 west, the true $1 / 4$ corner between pectivus 14 aid 16 , sets north 93.70 feet: There 4. S. notes call for: Spruce 6 inch, $N 56^{\circ}$ W 19 lints $(=12.54$ feet) scribe marks sieve are plainly shveving: Spruce winch, S 8 sin $^{\circ} E 6$ links, $6=3.96$ feel gone. 'que set a finch square' a cedar corner post, 5 feet long in tue position fran the remaining bearing tree and set two new bearings with tact, as fallows: 8 inch tamarack, $876^{\circ} \mathrm{w} 15.5$ feet: 9 inch tamarack, $872^{\circ}$ $30^{\prime}$ E 27.90 feet:
sue now walk North $1 / 2$ mile to section corner of 10,11 , 14, 15, where only one of the $Z, 8$. trees, remain, namely "cedar 6 inch, on $77^{\circ}$ w $4+\operatorname{lin} k e(=31.68$ feet)" This tree was 0. T1. d by Nepenty Gurney Survey E. T3. Ftorewin April 1916: we ret huck in true position for section corner ane start random line Louth on $9^{\circ}$ variation: Also set hubin road North and quit for dinner:
P.M. we chain North along road fetiveen sections 10 and II, a distance of 3400 feet $\therefore$ Chaining Couch heteveew sections 14 and 15 : $a / 553$. So S, a heck: atiis5.50 S, a hub: ak

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16008 enter clearing: at 1738208 a hubinis cleaing: at 2230 is enter swampe urilhous: at 2600 Squch, enter tamarack: at 263520 S, the tiue$1 / 4$ cormer rete Eact 2.00 feet. Soing back ure set ane correctioniptake half way ot is nour 4 , olock and toolate tom north po ue pet tuankit at true corner $10,11,14,15$, and tucn 6 , angle $90^{\circ} 34$ 'and nun Eash, chaining Eash along tounship road: At 2105:30E, a hub: at. 3506.90 E a hub: at 4202. 40 , cuose. Sao Line tracke, at.5291.50E, a hub: ale beaung trees to thin corneware gone anduequil for niglet.

Balduvin, Zueler aud Luarherg at tharmons ouer night, Signel bl. Baldivinin
Wedneeday Gune 2/nt 1916: Breakfart at 6-15a. M. Raldurin, Lueler, Sivanberg, Hay and Foreheng, all take lunch and go to nandombetween rectione 10 asid.11, Tupp 143 , T1.28, which we continue Trarth: ah $1330 \cdot 20$. N, a hub is road. at 39666671 , a hech in roath. at 52 58.807 , thi true ecction carmer to $2,310,11$, eeto Eact 10.60 feet:

Correction equale. 00201 af a foat.
The ald .u. S. Searing trees hlue Heew chat acc whewithe noad wae hirit, hut a corner posh sets acch with soots af a poplar for couree and distance: aleo thiere are a inumbier of line trees Narth, which phuw thio corncer to fec A. N.
Mr. G M3. Thorist, April 20th 1916 put his name an this pask:
que continue this randomwline. North, at $5280 \%$ enter frecal: at $5964.80 \pi$, a hub: ve quit at:11.30 and have hench:
P.In. at 6.641 .10 N a herb: at 6600 im cattle guards. at $6611.90 \%$, croes So Lime Ry: at P. D. read SE angle whichir 31014': Balduin goes to Federal riam while men cantinuce Horth. Poil lother to Curo and gets mail: Balduris aleogacs to slepot hoping to see a flue print of soo Live yarde at tedecalkexn heepok agenh sayp there is inat a llue print there, fuck riqhit of way is 100 feet from center line: Continueing Norch an randomnlinc heturen pections 2 and 3 , crase siding track at $6630 N$, at $7890.80 \%$, the true 14 corner fictivees pectians 2 and 3 , eeta Eust 19.20 feet: This corner ic marked fy stwidard inon monument wich. cap, and checke with stumper of ald u. I. trees as follous: Sprince sinch, \& $62^{\circ}$ \& 10 linke, ( $=6.60$ feet

Returining to Loodine tracke, wralking touvard Federal Llam une set etakes at. three difperent pointe marked" "cen of Boy Lake road" at riglet asigle to So Line Riy, at a diatance of 133 feet

We will arrive at Bhurinaive at 5. 40 P. M. Balduvin, Luelew and Sivainkerg etill ivith Karincon:

Thursday gune 22 ind 1916 : Breat fast at 6-15, Baldurin end. way, taking irone, correch line hetucen sections 10 , ander, aned. pections 2 and 3 , iup $143, \lg 28$ sron at $1 / 4$ carmer leteveen 10. and $1!$ ecte 5,30 feet. Eact: PQandom line jorth: Iron at cornee of 2:3,10 and 11, sets East 10.60 feet East of randons line Thith:


Inow at $1 / 4$ cornen hetrueen secs. 2 and 3 , sete 19.20 feet East ofrandom line North: Starto to rain abaut 10. oilock and we guit urack till after dinnev: Correction: Nub at $1330.20 \%$, ques East 2.67feet: Stake at 2639.40 n , ques East 5.30 feet: $=1 / 4$ connew hub at 3466.60 $M$, gaes East 6.97 feet: The at $5.278 .80 \%$, goee Eart 10.60 fect. Ikub. $5964.80 \pi$, gaee East $2.26+10.100=12$. S 6 feet:

Thub 6541.10 n , gaes Each $4.17+10.60=14.77$ feet:
apter breakfast susler, Foreberg and Suranherg toke traneit aind goes to $1 / 4$ coriner betcieew sectionel 3 ared 14 , abready extablished and ruin North aw the randon line previcocely run socth froms $1 / 4$ corner, chaining Horth: ah 635.00 N , ket hub: at 1000 N , quit wrert on accounh of rleiw.

In Pim. Baldurin, Eisler, Suvankerg and Way, go to
 a huh, at1586.40 1 P. 2. So, Live VIg: the N. E. angle reade $137^{\circ} 48^{\prime}$ at $1633.50 \%$, hub: at 2666.90 N , a hub: at $266 \% .80 \mathrm{~N}$, the inan cormer seto East 111.00 feet:

It rains purt of O. M. Het wn work hoping to finich
-tomorrown. Balduviri, Tueler, Suranherg, ouer niglet at thanmoris, siymed *. F. Balabin.

Friday fune 23 rd 1916 . Preakfach 6-30 Raine elightly: Huslew and Suranberg fron corner on randonn line near section cormen $11,12,13,14$, North to state road, distance 5234.20 feet Narth.

In arder to fix corner to $110,12,13,14$, we contincue taxncit hive East heturen 12 and 13 , half a mnile where we find one of the $U . \delta$. trees as fallows:
Cedar 10 inch, $88^{\circ}$ \& 25 linike, $(=16.50$ feet $)$
we set a 4 inchowood corner post in true position.
at 7963.00 East, the true $1 / 4$ corner betucen 12 and 13 ,ete North 3.30feet. By propartion, so chains and 12 linke, equals 5257.92 feet: By proportiow 40 chains and 17 linke, equals 2662.44 feet: cidded, equals 7950.36 feet: 7950.36, gaer Cart to 7963.00 awn chain. therefore the milo betureen II and 14, equals 5296.34 feet wur chaiso, and $1 / 2$ mile betucen 12 and $13,=2666.66$ feet, our chain.

Buldivin guex to federal nlam to get mail from curo- nome there. In $0 \rightarrow 1$ at 5296.34 Ensl, fectucen II and 14, and 2. 2o feet North of randonsline, vedriue iron for section cornce $11,12,13,14$, tup 143 , 28 . ah 2648.17 Eadt, whe drine iran for $1 / 4$ corner hetween 11 and 4.
uny works with thaedcuiv till 2:30 PM. Whis ie the last of the 27 iron cvrncre gol at Sunnbergí place. Tue get unr survey aut fit to Federal hlam, $75 \neq$ charges. Suranherq gale to casi Late. Balduvis and Teveler go to Bemidji. Fare \& 34 each $=\$ 1.66$ paid Hy Paldevin. at Bemidji une have Rupper at Markhan
hotel $50 \%$ each $=\$ 1$. paid by 73aldivin
R.R. Gare Bemidfi to walker via $m \times 9$. $69^{+}$each $=71.38$. paill by Baldurin.
at walker we go to chase hotel where we stay fovlodging and breatfact.

Signed FH. F. Baedevin.
Saturday gune 24th 916: Baldivin and Dustei at Chase hatel. Halduin goes to Caunty Surveyois affice ard usorke all day uriting notes aned making out tills for work done on 隹兴 Lake road. Signed Th. 7. Baldwin.
Sunney made may 24 th 1916 to gune 24 th 1916 Recorded.
gohn We. Cwro-County durvergos. cass County, Minuesota.


SURVEY TPECORD-289
TOWNSHIP 143 N. PG. 30 W. $5^{\text {TH P MM. }}$
SECTIONS: 14-15-22-23-
Field notes of the survey of Government lot no .1, of section 22, Tupi. $143 n$, Range $30 w$, 5 ch POm. and the establishment of corners: and lines mun in section 14, 15, 22, 25, in said Sup, as surveyed by and under the direction of John we Cur o Canty binncyor, of $\therefore$ Case County. Minnecotur.

Thursday, august 15 th 1916 , working for m. W. L. Ten nett of Louisville, Ty, John W. Curs, alae transit and 100 foot chicago steel tape. M. 8 morical, Knuth Aummestranel, Ur. L. Rennet and Curs go to ottertail Point rich Gil Games and hie lunch" Pumpkinseed." Léave walker at. 5 . $m$. Land an saute end of Rove belaud where o set up transit and at $5^{\circ}$ variation, turn telescope $770^{\circ} \mathrm{E}$ to get aline ow the spat where meandevcornev $N_{i} 6$ argot to be, $2.1 / 2$ miles away; them all get in launch and mun to cat tree we have sighted to about 2. \% miles we, near .mic. No.6, Tupi ,143, R 30 , where U. 8 . notes call for a post and: Gat $\operatorname{sinch} ; 20^{\circ} \mathrm{E} 26$ lintow. Lind winch, $85^{\circ}$ W/6 linter. all appear to be gone: Curs and Runnestrand spend all forenoon looking for lines while the rect catch fica.

In afternoon, all take lunch and go around point to place on East side nearm.e. no. 4 , where ri notes say: Lind 14 inch, South 21 links. Sugar 18 inch, $n 62^{\circ}$ w 33 links. for frictional sections 14 and 23, IMp $143, \operatorname{Rg} 30$ : ale appears to be gone and rue pet rip transit near the place and min rough pickett line west on 8 var., to try to find comer
 $\left(=12.54\right.$ feet Sugar 15 inch, $n 14^{\circ} 30^{\prime} W, 57$ linter ( $=37.62$ feet) Sugar 1 inch, $1173^{\circ} 30^{\prime}$ E 4olinter, ( $=26.40$ feet) Sugar 10 inch, $878^{\circ}$ E 22 links $(=14.52$ feet) ar abouch 12.75 feet wersh we fined the corner about 30. feet North will all trees standing green plainly marked except the 1 inch maple 8 $\varepsilon$, and ur find the ratted stump of thin, not marked:
we find the point of the old stake and ret a new he ch with tack by flat chain fromiface of" "B7" snarks, which check out to a frazzel. Start aline Wech and one Sars" variation, and guitfor night: all go back to Walker: Signed john W. Curio.
august 16 th 1916: Leave Walker with E. X. alesparder and launch" Kittewain" John w. Euro, triansivand chain: aloe transit and 100 fort chicago steed tape and plumb-bob. W.L. Kernett... chainman: Knute Runnestrand and m. morical, aspen: Wu begin at corner to see. 14, 15,22,23, T143, Ry 30, and run west on $8^{\circ}$ var. setting hubs and stakes: at 1084. 70 tact in stump of old line tree: at 1600 set stake from which the 88 corner of an Indian house rets pored 9.20 feet: the house 18.50 feet north and South arsed 18.00 feet East and west: door in sash enid, roof runs Ext: at 1668.00 hub and stake : at 1770 ret ir on monument being $2 \times 48$ inch boiler tube, $n$. cap ar iron rod andret in 18 inch mound of dirt wick pits airod away, aboul risk; nw, sw- 88 :
 E 34.25 feet: Elm 4 inch, $n 13010$ E 66.50 feet to spikier in flat spot at base of trees as so v: continue West: at 1790 top of sharp edge of bank, 5 feet. water: at 1790 es ge of water on East chore of Leech Lake. Coming hack to the corner of rece.14,15,22,23, we pet an in ow monument being a $2 \times 48$ inch boiler ticks, pet in an 18 inch mounilaf dirt for the true comer to secs. 足 15, 22,23, Dup: $143 \pi$, Kg 30W, from which we sun random line foch an about $8^{\circ}$ var. ah 270.80 set hub: at 321 . set hub: al:510. 80 net hub: 799.00 erose Rudini Trail, which hears $\varepsilon$ ind w, at 837.00 set heb: at 1221.50 rel hub: ar 13.00 . set stake: at 1345.30 set hub : at 1635.70 set hub: at 1787.20 set hub: wt 1867.70 set heb: at $2041: 00$ net hub. af 2082.00 set hub: as 2114.30 set hub: All go back to Walker.

Thursday August 17 th 1916: Stay at Walker.
Friday august 1 th 1916 : still washing for Wo L. Bennets: Gohuw Curs transit and chain, aloe transit ard 100 foot chicago steel tape, chaining with che rice at thumb.' bob on uneven grocind:
W.L. Jennet, chainman: Rite Auinnestrand and ABel Johnson askew: continue coed, at 2640 , set temporary $1 / 4$ corner between sections 22 and $23,7143, \mathrm{Rg} 30$.
this conner. appears to be gone and wine walk e back to hooch 1320 feet Saith, from which we run a rasidom line West, cutting rough line on Leech Lake just to show Mr. Ten nett about where the South line will come of Govt lott. Sec. 22, J143, T3 30, Git for night arid all goback to walker.
Tuesday September 1 th 1916: E. L Alexanderund his launch takes Curs, Fin te Tunnestiand, and Herd martin to ottertail Point and will call for themelater: Tue begin al 2460. feet Louth of corner to cections $13,14,23,24$, Sup 143,1230 , and again look forl/t corner between erections 23and 24, hut find nothing and continue bise South: at about 230. feet cross all crooked urine fence which runs abacet East ard West: pace remainder of distance south and find it checker about 1.76 . for $u$. S. chain. Coming bact to $1 / 4$ corner we pickle up the iron monuments we have brouglet, and put it in the fork of a triple tree, where wecan find it later. We then go back to boil landing and as it is raining hard, wait forboak and go home where $2 g$ go to bed pict.
Saturday September 23rd 1916: 2figure the latitude and departure of the entire shore line of ottertail Point and decide to place the $1 / 4$ corner between secs. 22and 23, its proportionate distance East and west from the original chore line of the lake, at 2640 . Feet South of the section earner. Sunday Sept. 24 th 1916: E. L. Alexander and launch, taker, Gohww. Cure, Harold g. Curs: Frank a. Honnev and Mute Bunnestrand to ottertail Point, then goer on and will call forme later. Burley trancil and 100 foot steel tape and compass, que walk to corner of sections $14,15,22,23,2,-5143, R g 30$, Ret transit, over iron monument in fig mound at true conner and take bearings? to new bearing trees as follows: Ash inch, $832^{\circ} 16^{\prime} W, 63$. 50 feet : Cede ioinfeh $842^{\circ} 30^{\prime \prime}$ E 46 . Bofect: Ash 4 inch $n ~ 60^{\circ} 15^{\prime} \mathcal{E} 39.15$ feet. Ash 12 inch, $n 46^{\circ} 57^{\prime \prime}$ w 49.10 feet: to: tacks in flat spat in base of trees, var'8:. We then take angle of tried line running Wed, wick random line running South the Swangle, reads $89^{\circ} 44^{\prime}$ so assuming. The East aced West line axameridian, the transit linceruns $80^{\circ} 16^{\prime} \mathrm{KN}$.
Walking half a mile South to 2640 time. "/scorner. Euro nuns compass line west: Hasid and alonnev chain roughly 630 . feet west to high bank of Leech Lake, 10 feck above water: Bank meme to have been: washed away 100 feet. We then begin at same point of temporary y $1 / 4$ corner and chain Eashabouh $8^{\circ} 30^{\prime}$ var': to 1300 feet al high bank erg Leech Lake, 30 feet high: this shore may have kew washed away 150 feet. W re do mat have timine to rect the 14 corner, fuel decide .to make the north ard Louth section line betweencece. 22 and 23 . at $90^{\circ}$ to the north boundary of section 22, and evil run oct ride of Levit lot', parallel to the north boundary and 1320 -feetanay we figure the correction of the north aid south random line ae follows: As the $n+8$ randoms rune $80^{\circ} 16^{\prime} \mathrm{W}$ we 'figure. 00465 of a fou East, for each foot South. At hub 321.00 \&, cue chain \&act 1.49 feet and set hick and tall stake, marked "true section line" at hub- 837.008, un e chain East 3.89 feet and ret hob and tall

where we set an snow monument, being bailer tube $2 \times 48$ inches, half its' length in the ground foritho true North $/ 16$ corner between secs. 22 and 23, Twp 143, R30: we have ioteme to pent in new bearings on make a mound:. In andes to get air angle; to min west, inc find that at hicb.on randoniline 1221. 50 8, tine are minable to correct the same Rust, on account of an old line tree, so eve chain sacco to station 1225. feet South, where we set a heck, then chain East 5.70 feet and ret hupeh and tick antre line, just South of old blazed line tree: thew wick transit on iron $1 / 4$ corner just ser, he back sight on tack in corrected hub 5.70 feet East of 1225 , ard findanald blazed maple tree 24 inches thru, an line at 12208 , showing that aux Nard Sling is on the tue rectionline: Turn $90^{\circ}$ angle from true line andrien west parallel to north boundary of erection 22 :

Easing West on carefully run transithine: Harold Curs aid John w. cure. chaining perfect plumb-babline: Frank e $a$. Mousers at transit. minute Rumnestrand, axmaw: at 347.00 set hie: at 545.50 set hub: at 68 3. socut down big tree and put spike in greenctimpsit at 841.10 hub in Indian trail, which bears NEaind Sw: at 1365 , set $2 \times 48$ inch inon'bailes tube for monument 5 , feet Each of sea wall ard 10. feet. East of ivatero eidge of Leech Lake:
alexander gits back in time, to hilpins cut the last few hundred feet, as ed holds the boat for us, os we would not have finished.

This finishes the pirsiey, we get home to walker after dark. Gin w: curs.
Surveyed Eng. 15 th 1916 to Sept 24 th 1916 . Recorded

Gohw 20. Curs- County Surveyor. Case county: minnesota.

Survey-Record-290
PLAT
Township 135 Rg. 31-SECT. 5-6-TwP. 136 RG 3I. SEC. 7-18-19-20-21-28-29 TWP. 135RG 32-SECT.1-Twp.136 RG.32-SEC. 12-13-24-25-36.

Scale:tmile -z-inches


Twe 135-RG.31-SEC'S 5-6
TWP136-RG.31-SEC'S7-18-19-20-21-28-29-30-31-32
TWP135-RG.32-SEC. 1
TWP 136-RG.32-SEC's 12-13-24-25-36
Jup, 135, Ag .31, Sectione 5-6.
Tupi.136, Rg31 Sections 7-18-19-20-21-28-29-30-31-32.
Lup. 135, R33, Section 1.
Tupe 136, Ong32, Sections 12-13 24-25-36.
Field nates of the survey of the west face niles of the maplemoare Lake County hoad aned the west tur miles of the deader dony prode County rotad, aned the estalilishment of lines and corncire ins. Sectiass 5 and 6, Tupp, 135, Rg31, and sectione, $7,18,19,20,21,28,29,30,31,32$, Jup. $136, \operatorname{Rg} 31$, and Lection, Vup. $135 \mathrm{Mg}, 32$, and peetione 12, 13, 24, 2sand 36, Jup. 136, Rg 32, Cass County, Minnesotw, as surveijed hy and under the direction of Sohn $w$. Curo, Caunty Surveijor, areceted Hy Al. F. Baldurin: deputy.

The petitiow for the Maple and Mose Lake road reade in part ar follous." ". Beginining at the corner hitween the touns of moree Lake: Poplar, Byuan aird Meadow Browk: thence rumminig. North Nus (2) miles an line hetucen moore Lake aud Paplar tounshipp, thence uunning Last nine (9) miles on the line heturen sections 19 and 30,2 and 29 , 21 and 28, 22 and 27,23 and 26,24 and 25 in Townshicp of moore Lake; thence in sections 19 and 30,20 and 29,21 and 25 to the Corner between sections 21,28,22;27, Rup. of, Maple (136-30) and terminating thereab.

The Leader-Stony Trook Curnty road uuns East along the foich side, Townshifo 136, Painge 31 The Cominispioners hae ordered the eurvey of the weet four miles of the maple movec Laike raid and the west tuo miles Leader-Stoniy Buad raad.
Snne 24th 1916: Zue prepare necescary field notes, 1 , 7 Baedurinprepaces to leaue walker on night train: to make the aboue survey: fohw w. Cue: Hunce 25th 1916: Hawild 7. Balduin and E. L. Sueler take 12:47 a.m train Soith from Walker to Backios: Fave 49 *each $=98^{\circ}$, puid biy Balduviv: Ariciveah Backive, we go to Lake Veiw itotel and eleep untilr-30a.m. after ifreatfact, Baeduin maker arrangements with tortone livery to have auto drive Balduvin and Busler with survey acctfith to some paink near uork of. purvey of road above describied:
bethough the main hai not stopped; hortow sende car around for us at 11 a.m. Balduin pays hill atLake view toteli 2 lodgingo @ $504=1,00$. 2 breatfarts@ $354=70 \pm$, total 1170 .at noon vue stap at Jidue Laveonó plice and huue dinnes: $25 \neq 1$ ach = 754 : Arrine in ricinity of our wort, wve buy in. several placee to be boarded, buc they ivile mah take us, but lue succeed in finding a boanding place ivich Mr. E. . 0 . Llemnings where we etay over night.
Gune 26 th $1916: 7$ Brealifach at $6-30 a .7$ at Alenningi Baldivin and therler take linch: Alve trancik: 100 foot Chicago steel tapee, as id ither toale, go to tup corner of moore Lake, (36-31) Paplar (136-32) Byron (i35-32) and midour Brovik (135-31) This in on oltate Rural Iivhivan ale the u. bearing trees are goine: Nue find a Rtone at PI of State Acical Diahevar running West along Dirp. line and Souch along Range line.

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We use this as a starting poinc to chain fross and produce the center hime of state Rural Righeray; North: Rein trancit lince asjollowsa. ah 1848.70 N , a hech, road 4. feet Réght. at 2.3 .80 .90 N , set heb- the soad bears auray East: at $2860.00 \%$ enter vuet meadocin: ah 3100 n , enter wet laud, willous: at 3320. in, enter South bant of brook: at 3325N, enter norch hante of bradt: At $34,75 . n$, leave uct laned: a1 3740.50 n , set hub on high grouned: ai 4000.12, road 5 . feet to the Right. an 4121.40 K , a hub in edge of road: ar 4 884.7 , a hub in road: ac 6100. 7 , enter ivillows - getting wet: At $6400 . n$ in willous-rvet land:
Zue guit for night: Balduis and Iuslev ouer niglet at ilenningós.
Signed H. 7 Balduin.
Juesday gune 27 th 1916: Breatefast 6-30a.m. at dlennings: Balduin and Tuslei take lunch, and hegisining at strme at P.D. If centenlince of Stato Rural tiqhuray at Saunship cornew-ue chain thorth owline where we cut fruch and ruw tuancil' lince yesterday as rhawn aboue: zue continue north: ar $7150 . \pi$, leave sunnmp:at 7447.50 n, a hub in claver field: as $9161.30 n$, a hub: Cory hacese ctands 70 feet to the Left: 21 is raining and we come hance, arriving al, Klenning' abuut 5. P.m. Where we remain ouer night. Br.7. Bulduin. wednceday fun 28xh 1916: Breakfask 6-30a.m. Balduin and Tusler take lunch and coutince north ow randosw rauge line: at 10015 n , curs noad running East and west. at 10044.10 n , a hubi awhill tope; at $10600 . n$, a hub near crose noads: Tkere aboul 80 feet Eact of aic randam line the trails crose: We worte hitucew ehourer, and leavc early and arrive at hlenning's Roon after 4.00 P.m. Soow after une arrive a reery heary rain storm freake firam NW:

Baldcuin writer litters to Curo, and william maulater for informatein reqarding losk corncre, etc.

Tue make arrangemente to start tomarnow al noon and board at Rmithe, tus nules North of Lownship coner, thiie sauing us abacet 6 miles a day valt, while working aloing here:
 Thecrsay Gune 29th 1916: Breakfast 6-46a.717 at Ulennings. Baldiinin and Lusler go to hub at 1.0600 .00 N , on randonn hive and offect East 150 . feet and continue north: at 11200.00 n , enter brualu: She transit is fbggy and so much dampness has accumulated that it is imporsilily to set a hech at long photo: We take transit and go to Smiths, havee, and Balduris cleans transil und we gel dinner at Smith's. After dinner Baldurin adjuats trancit and puts new set of crose hairs in telescope. Tuslen goes Noreh to corner of $18,19,24,13,7136$, Rg, 31 and 32 , fuelfinde no.hearing trece, tho' a corner pook sets in logqing road:

Iusler and Ed Invith go to corner of $19,20,29,30,7136$, Rg, 31, where $u$. S. notes call for post aned:
tamarach 7 inch, $740^{\circ}$ El 2 linkes: $\angle 7.92$ feet
tanearach sinch, $\pi 49^{\circ} 30^{\prime} w 8$ links: $(=5.28$ feet)
tamarack 6 inch, $818^{\circ}$ E 16 links $l=10.56$ feet tamarack 9 " $821^{\circ} w 28$ " $L=18.48$ feet). An ald corner peach which natives say was sect by surveyor sallets from K.S. bearing trees, checks for course and distance with two old stumps which are badly burned aud show no scribe marks:

Baldwin and Iusler now continue North on line of fret 150 feet East of random: ar 11454.80 n , a hub an hill : at 11640 n enter rut meadow it 11800 K , we leave off chaining and git for the day: Baldwin maker a fee w for cher adjustment o on transit and stay over night wick C. A. Smith. Signed A1. B. Baldwin. Friday Lune Both 1916: Breakfast at Smith 6-30a.m. Then Baldwin and Luster take transit and tools and go to $1 / 4$ corner beteveen sections. 21 and 28 , Twp. 136, Ry 31 where $H$. D. notes call for post ave following bearings', Black Gat 11 inch, \& $59^{\circ} 30^{\prime \prime}$ \& slinks ( $=5.944$ feet) maple 10 inch, $n 46.30^{\circ} \mathrm{W} 19$. link ( 12.54 . feet)

We find an iron monument with cap on top, set in concrete in the road, and we find two decayed stumps, which check for course and distance, but no scribe marks ace to be els. Tue set thur new bearing trees as follows:
Basswood finch, $76^{\circ}$ W 44.1 feet: Maple Finch, $85^{\circ}$ E 50 . oo feet:
From this iron eve start random line Vet, cut friciol and ret hubs but do not chain today:
Saturday July INt 1916: Breakfast 6-20a.mat Smiths', then Baldwins and Iukler take hunch and go to $1 / 4$ corner between sections 2$\}$ and 28, Super 136,0931 and chain west: at 200. West center line of road is 3. feet South: at 300. feet west center line of road is 10.fect/ Low th: at 420 . 60 feet wert ret hick: cut bank of road is 3. feet Sow ch: At 500 feel wersh center line of road is Is. feet South: ar 905.70 feet west a hub in north ditch of road: ah 1275.90 feet west, sect hub from which, center line of road is 6. feet South: ar 1746.50 feet west set hub from which, center line of road is 10 feet Lacch: A" 2200 feet West, cross center line of road: at 2472.00 W , a hub in center of road : al 2649.40 Wert the true corner of Sections $20,21,25,29$, Twp. $136, \mathrm{Ag} 31$, sets' Koch 1.60 feet

We drive hub for temporary comer: U. S. notes case for post and following hewing gs: White birch 1 inch 16130 W 13 link es $(=8.58$ feet $)$ white birch, 7 inch, $853^{\circ}$ wo 6 links $(=3.96$ feet ) white birch 6 inch, $828^{\circ} \mathrm{E} 17$ link's $\left(=11.22\right.$ feet.) Balsam Bunch, $224^{\circ} 30^{\prime}$ 'E Itlinkon ET.26fet)
ale birch bearing trees are gone and the faleam stump badly decayed checks for course and distance.
que find two section corner poets badly burned but ale right for chainage". "This ald section corner wan set by Surveyor thallett, from u. S. bearing tree, about 150 or 16 yean ago, Thew he surveyed the line off this rival.

Beginning at the corner of sections $20,21,28,29$, Sups 136 Ag 31, Tue deflect north, $018^{\prime}$ from ald random line and continue Went: at 620.30 Wees a hub, 5.20 feet north af old random
line: at 1700 weot leave road iat 1737.70 wesh a hub ancidge, From hikat 173770 viest on, randonwline, uc turs $N E$ asgle zuhich readis $147^{\circ} 48^{\prime}$ ared heqin chaining al statiaw 0.00 and mark ptaken "J"for traveree: ak 218:20 кet hisideplect $13^{\circ} 21^{\prime \prime}$ 'Left: ardat 571.00 cit hie, then deflect $51^{\circ} 49^{\prime}$ Left. at 931,80 sethub, thes deflech $41033^{\circ}$ Lefh: 1187.00 set hieb and deflect $66^{\circ} 42^{\prime}$ Right: at 1505.20 set heeb aied deflect $90^{\circ} 00^{\prime}$ Left: at 1744.30 Rit hib, still an Fraverce at $P$ D of nandom line, which equeals 307419.0 fect West, turw neangle which reade $71^{\circ} 46^{\prime}$ quit forday. Baldivin and Jueler at onishiover niglet.

Sundurg Guly 2nd, 1916 : Thalinvin wniteo noter in a.m. aned in Qm.taree compass aud litter from Stato Enginees Maulstes, reqarding Tups. corner of madee Lake, Bypan, Dolac, acce Inedour Buode: Ihe etone frem cuhich ure started raudorn line Norch an range live lis at true Luyp cornew. Zusher remaino at Linech a all day, wo coort fowhims fath oreer vighe at Lmelch. Signed 14.7. 1Balduin. Moxduy guly zud 1916: Breakfael at6-20a.M. at Snizhs. Balduvin and Jusler continue urer ain randamn lino beturensecs. 20 aud 29, Nup. 136, R. $31:$ at. 1750 Weet into mareh: at 1900 Evest. enter lake al, 2470 weet leave lake: át 2577. 40 Weet elt hub from which we tün Narch $9 g^{\circ}$ ancgle and "chain 10 g fect face line for turiangulation af lake hub "a". $6^{\circ} 47^{\prime} 30^{\prime \prime}$ heb " $3^{\prime \prime}=87^{\circ} / 2^{\prime} 30^{\prime \prime}$ : ${ }^{\prime \prime}{ }^{\prime \prime}=839.70$ feet $+1737.70=257740$ fect.
continue West on nandomiline at 2990 West leave mareh: at 301490 Wect, a hub $=174430$ off Lraviree: at 3100 west center of road : at 375400 vert a. hub in raad at 4700 weah enter corduray suiampach 5363.30 veat a hub on corduroy at 5860 vest leave nump a ah 6159.60 wesh a huct: at 6200 west brangein hacire rets 100 feet to the Left. at 7300 west bridge 3 ofect Right ah 8015 weet $1 /$ corner posh pete 6 feet North at pence. corner: at' 324.60 Wista heeb: Sue guit far day taking trasirik. and chain to smiths where we stay ouci night. Siqneil 1 . I. Balduvis.
Huesday Gily the 1916: Bain in a. M. Fair and Kat in P M Balduins and Iusler at smither all day, no cuork in field.

Higned $\forall$. Baedicin.

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 goto randon line hetween rectione 19 and 30 Iup' 136 R 31 (uark donc by $(d$ ismeth contincue west: ah 9618.00 weck a hech: at 10100 weat enter met meadicu-1 10300 Nest leaivenct meaducvi at 10612 goventh sit herbi, the noad is 35 paces 7orith: at11982.40 a hub: at 126 30 20tieel ai hib, This raidon livcivi South of tho rowd asid nue are sicting compiderable hruesh. Alimner at Smithe. Baldevin, Zualer and Smith g; to corner of sectionis $718,12,13$ Lupp.136. Rgs 31 and 32 : the ald Hi. hearivig trees are greme but finces are eet here from thalletto survey: aligging in raad une find hub af thallette old stake whire ue duiue a? huf a eet new hearinigs, heing Norway 4inch; $175^{\circ}$ west 71.00 feet Fence poop 9 inch $n 45^{\circ}$ Easi 46.50 feets.

Chaining South at 2500.00 ect hub; at 3000 . South, we quich work forday. Baldurin and Luslen at Sinithie.

Signed N7. Baldcuin.
Thureiday, fuly 6 th, 1916 : Breakfart $6-20$ M. Th. Then Baldevin Bucler ara Ed Smith continue Sauch ow rundom line heturewirangew 31 and 32. tue phootin hich awer cwampiwichacctmuch cuttingand chain
 Saich a hubin rad: ah 968930 Saccth a huch in ald road: ah 1.538 . so Lacith thi hub on the ather raudosn line running Horte from Lup cosinew 10600.00 Narth eeto wesh 82.50 feeh: 10538.80 dauch +10600.00 norch $=21138.80 .7$ ect. therefore $1 / 2$ of this is 10569.40 feet ared 10569.40 Sawth $=10569.40$ North. Nure wreset hub in wheel track. ar. 10569.40 Norch. Here thio hect sets 82.20 feet: wich irmait at hub 10.538.80 Sacich turn the Nur angle $80^{\circ} 42^{\prime \prime}$ to hub at $\% 6000.00$ North on the randorin line. Balduin tuinse the angles while Hecher aied Smich chain wistron raicdan line to Artereech Raudassiunning Saich: The O. D. of Rindisn ninning West aicd Maudom running
 quict for day. Baldivin aied Lueler at Amichs aries niglet:
7.7. Baldcuin:

Raidom line prodiced Saccth ivacced be Euphof the Hupp corver, $+220-49=43.20$ feet ar 12825.90 sec. cornce ceto North 188.10 fosh. 12825.90 aus chaini $=12.890 .46$ K. 8.64 .56 dipperence. (.0050) Friday goly 7 th, lal6: Fair day, Breakfast at Linithé; Baldurw, Tipler and Sinith (Chailes fr) go to Luyp corner movei Lake, Pojplar, Byovi, and meadaci Broak and wrich tuancit, chech cormer from information received from State Evigivieer Maicster wich twansit at Rup corner. TunN $90^{\circ} \mathrm{NE}$ and stark Eadtan Raiudorn line as 220 East enter uuct neadour Maldivin gaes to Levder for mail aird gets information firan Curo, regarde work, and makes arrangements for foard at $\varepsilon$. 0 . tlenningr, where wue hawe dinner. Ineler and tmith continue Eust: PIM. The samie crew, Chaining Eash. Ah 1790 E crope ditch mur aicd SC. at 2010 E leave meadoir, at 2091. 10 Eart a hib: at 245250 East a hub:at 2828.20 E a hish: ar 3000 g quit inork for day. Th: is havi castion asid uvather vierishat.. Balduin mud Iueler for
supper and lodying at Nemning's:- Signed 14.7. Balduin. Siturday fily sthil916: Mreatifasto at elenningis 6-30a.m. Then palduin', Eueler. Smith work all day... Baldivin writes hitter to cuns in $a . m$. and writes notes. then gres out where zueler and Imich are. continueing Ensh. Tue all carny hurech. Chaining west tue have at $3109.00 \mathcal{E}$ a hub at $3360 \varepsilon$ enter viny unet meadow: at 4050 \& leave met meadaw, Waten three deepe: at 435130 E a hub: at 473960 E a hub: ats 450 E Thang Presler haccee seto Horth 40 pacce; at 5300 Eenter meadow. an 5830 \& leave meadocu: at 5995.60 E a hub: as 6239.00 E a huh, Mus. Predeís bain reto South 50 paces: Zue go zach and tuy and find an Inon monument, which riativeseach deputy can ty surncyor Thimp. set abouk fown years afo.

Tue leave trancis and chain and retun to remninges, amiving 6-20 D.m. Tave litter from Curo, wrisking iss to ruw line for ditch in Becker Mups, near Mottey, Iuslex supper and lodging at miniths'. Buedurin, -upper arid lodginigo al lemningo. Signed SM. 7 Baedurin
 takes Eunlyy compars and 50 fook metallic tape and dyoer to rection comer of dectian 1, 20, 29, 30, Dup, 136, 0g 31 awd loake for beaving treew to Witness Cornev: The finds none and remaino at hinithis for supper and lodying.
hills far cas for meals ale day, atalenningoi makes out soad and bills for boand for relf and suoles: Balduring newine at theminge jo renpper and laderin aldurin remains at Alemminge joveupper and ladiging
Suly 10th 1916: Paldwinu and Euder go to motley to urark an Curunty Uitch no. 2 .
Suly, tth 1916: Baldevin and Lusler return from molly to Smiths' jelace to continue of road ruvey Dohw W. Cre
 and Lusler take lunclu and go to Preoler farm and as we could not find the irow mpmument, which they say were set hy Hemp, tarny Oresle ealp he hnows where thei couner is, and ure vill give him $1 / 2$ day for finding thio comé for us:
Tue find the iran moniment at corner to sections Ns, з2 and 33, hetcueew Xupe. 35 and $136 M_{1}$, Dange 31 M, and He chain' West from this invin monument:
at 400 enter ruet meadocir: at 900 leave same: at 350 oa West, we quith chaining and have hunch: Oresler gies home, continue wesh: at 40 42.60 W, a huld: a 5 5155660w, a hilk at 5293.00 west, a fence bears Horth and Souch 1 at 674560 WO , eqials a point 121.80 feet Louth of hub: 6239.00 Eash at $40^{\circ}$ aingle to hub 623900. Wioh trancil at 4745.60 wesh the
H.E. angle reads $90^{\circ} 23^{\prime}$ to huh at 6239.00 Easti therefore 6239:00, plue $6.745 .60=12984.60$ feet total.
12984.60 feet, acis chain, $=12969.00$ feet $H$. Shain. Che chain is 15: 60 feet longer than U. S. Chain.
tue retevn to Smiths at 6.15 PM. Where we remaiso for suppen and lodging. Bigned "tt.7. Haldivin.
Guly 16 th 1916: Balduin and Lueler all day at Imiths: Baldurin figures correctione, no rvort in field. Signed At. 7. Baedurin. Guly 17 th 1916: Monday. Balduin and. Tusles take lunch and go
 31 west, where aee U.S. bearing trees are gione: Fue establich coiner'in road hy priaportionate chainage Castandellech. an 5286.40 feet Wert an randoin line, the true section icviner cets Horth, 8.30 fect. thi corcectiow North $=.0016$ of a foak Norch for each foot ivest: Hub at 2643.20 w goer North 4.15 feet foutuefe $1 / 4$ cornes beturew pections 5 aind 32, iupp/35-1367, Ry, 31 w, where we dicue a hub fov the true 14 corner with the following xew hearing trees: 5 inchpoplar, feare $\pi 40^{\circ} \mathrm{W} 67.40$ feet:
24 inch white pincetcmpe, féaie $721^{\circ} 30^{\prime} \mathcal{E} 26.90$ freet: apter setting road centers at intervalsisct the following new hearing trees to cormer of pectiane $5,6,31,32$, hetwleew. Hup. 135 and $136, \mathrm{n}$, $\operatorname{Rg} 31 \mathrm{~W}:$ binch puplar, $n 60^{\circ} \mathrm{W} 40.70$ feet 5 inch poplar, $n$ to $\& 26.35$ feet:

Whe true hiviu produced Wert: at 6139.00 East, the coruer sets $90^{\circ}$ Locch 111.00 feeh diotanh: We have lunch: in P m Baldurin figires correctione aind Lucler makes etapes for "noad center" marked on ane side and" true sectionline" anthe ather eide. The random lime Eash, if prodinced to section corner 5,6,31,32, at 7698.20 Eash sete Wowch, 123.20 feet being. oll of a foot Sowch foi each foot East: Wub at 6239.00 E, goes Sauth 99.8 中 feet: Thibiat 5995.60 E, Gives Succth 95.93 feet: Tubi al 5055.00 Eueh goes Sacct 80.88 feet to the $1 / 4$ corner beturen sectione baied 31 , on line hetween Jupi. 135 and 1367 , Range 31 Wi Whb at 4739. 60 E, goes Haccth 75. 83 feet: Whe at 4351.30 , yoes South 69.62 feet. trich as 3109.00 E, goes Souch 49.74 feet: itub at 2828.20 E, guee South 45.25feet: IAub at 2452.50 E , goes South 39.24 fut: Nuh at 2091.10 E, goessouth 33.46feet.
arkt corner hetiveen sectione 6 and 31 wue ject in a urod corner post 3 inches square and the fallowing new hearing trees marked with tach: qinch poplar s 39 \% 42.00 fect: sinch poplar, $845^{\circ}$ W 50.90 feet. Tue quiti work for day and return to Smiths: Baldurin and Inalerule night at olmiths. Ligned 7.7. Balduin.
Guly 18th 1916: Breatfant 6-30 a. M. thes Baeduvin and Susler take lunch and go to Rectiow line hetween sectione 6 and 31 where we finish correcting line to the Iup. ionner:
at Dupt. couner, where anoct, 4 inches. equeare ontapr, marks the corner to dections 6. supe 135. Ris 31. heing cornentorede.
$B$

31, Liupi $36, R_{q} 3$, alsi the cormer to section1, Iup, 135, Rg 32, avil the carmer to sectcan 36, Nupe. 136,0 g 32, wi mante the fallouring hearing trees with tach. Baplar 4inch, 43 ev 54.30 feet. Paplar 6 inch : $52^{\circ}$ E, 47.0. feet: Paplar sinch, $256^{\circ}$ E, 31.40 feet: Lue now geit for noom:

In ajterinam une correch the wanige line being mile of rundass lime feturen pectiono 3 and 36 , as followe R Ruh at $500.00 \pi$ gaee Eush 0.50 of a fork: Hub at 1848 . Fon, qoen Eust 1.85 feet. Luhai $2350.90 \pi$ guer Eash 2.38 feet. Jrub at $2642.35 \pi$ goes kach 2. 64 feet to the " 4 isinier. Nich al 3740.507 k , ques \&ash 3. 74 feet:
 4. 85 feek: Wihb ah 5254.7012 goes Eash 5.28 feet to the pectrorucorner of sections $25,30,31,36,2$ yupe 136 N, Roe 31 and 32 W
ah the 14 corner heturen eections $3 /$ and 36 , wue find an. ald hich, which was probalily ect hy. Jallett. Nei more ik Horch. and west a little, and drive il for true $1 / 4$ corner tectureen pectiane 31 and 36, Inp. 136, Ay 31 and 32 , anel pur in the fallouivig bearivig trees: 5. imch oak $1157^{\circ}$ \& 25.30 feet. 10 inch oake, stuh 5 feil tall; heacis $810^{\circ} \mathcal{E} 77.00$ feet, the ncrike markeow theie phuci that il ivar prohalily thalletti:
astrue ieection corser to $25,30,31$ avel 36, Hup, 36, Ry 31 eud 32 , une set the fallowing hearing twee ruith tache:

廿ue contimue correcting North feturen pections 25 and 30 : at 7927.57 , the $1 / 4$ corner hetiucen ecctione 25 and 30 , gies East 36.76 feet, $t 528$ ft $=42.04$ feet, whhere une dicice hub forl/4 conser with the follawinng new Hearimqe: Fevce pork. I 81030 in
 hearel $45^{\circ} \omega 46,90$ feet: 2 set tiansik ouer hub at true $1 / 4$ carner, then back Right on true sectidw corner to sectidne 25, 30, 30, 36, and set etake murked" Ture ecetiowline" onone sido, aued "road. center" anthe ather at intervale along live aned produce to cection corner of $e e c s$ 19, 30, 24 ared 25 , where we drine hub for. corser aicd maith the fallociring bearinge:

we idjinal traneit aud go to Inithé fov supper aud lodging.
Wednerday Guly 19 th $1916:$ Breaffart at Brichs 6 - 30 an in. -then Haldwint aind susher the lunch and grie. to cornes of vece. 1920,29 anel 30, Tup. $136, \operatorname{Rq} 3$, viohere all Z. S Deaving treci are gone. Tue eetablieh carner her Chainage Each \&ud wed: 12825.90 feet aurichain equcals 12590.46 feet S. S. Chain. Cuce chainage is 64.56 ahorter than $\mathbb{A}$. chain. Hhe crirectivi= , 0005 of fat Each 5276.04 gres Each to 524966 for necturw corner ulheretrue corner pets 100 feel tauth: tere ue driue a unigon epake with tack for true comner torectione 19, 20, 29, 30, Hupe, 36 , Ry 31, aicd dive 4 etaker, marked : Referevice paint" Ne, nur fexfiveach 46,70 feel distanh

290-CONT.
Vie set stakes at intervals far raad centerie and ah 2624. 85 4, vie dicue a equicie corner poot 0.50 of a foot South foutrue $1 / 4$ corner lecturen eections 20 and 29 , sup $136, \operatorname{Ry} 31$, wirth the folliviing bearings:
horvay $/ b i n c h, x$, $3^{\circ}$ E 101 . 40 feet. Cantinve Eark to pection cornen of 2 2 $2,28,29$ ímp, 136, Rg 31, previvusly istablioled, wues sel fallowing beasingo:
Maple 6 inch, $35^{\circ} 30^{\prime} \mathcal{E} 48.70$ feet whitebah 7inch, $836^{\circ} 30^{\prime} \mathrm{W} 41.00$ feet,
 19 and 30, ance sind none: Nub at 5249.66 se to Louth 1.00 feet: ar $6159.60=909.90$ feel wesl of Rection carner covrecto norta 2259 feet mines, 0.87 of a foal equale 21.92 feet; Hubat 6849.70 eguals 1600 feet Weah of the pectian conner, courects Horth 39.73 minues $0.80=38.93$ feet. Nub ah $7876.50=2626.80$ feet heirig $1 / 4$ cornerincorrecte north 65.22 , minuei $0.66=64.56$ feet. Fubal \& $324.60=3074.90$ feet wese of eection corner aid correcte Norch 76.35 feet mincus $0.61=75.74$ feet: Tul $9618,00,=4368.30$ feetweel of cection corner aid correcto north 108.44 feet minus $0.44=108.00$ feet: tile at $10612.90=536320$ feet wesh of eection corner aud correcte thoreh 133.17 minue $0.30=132.87$ feet, Kuib al $11982.40=6932.70$ feel weoh af ecction corner anf correcta Harch $16 \% 17$ feet minue $0.14=$ 16.03 Jeet. Thio ati 230.20 equelo 7380.50 feet wesk Mrection corner and corrects North 183,26 , Dinus 8.06 equal. 180 , 20 feck: Fub at 12820.20,
 Anb is the sectimevner to pees $19,24,25-930$ on ph, line: Lue reveh Sinith at $5-40.1 P$ and waldivin figures correctirin as onovis above: ysedurin and.
 Heircday, fuly 20;1916... Greaklach at-6-30.A.M, then Baldcurn checko eiqureo of correction as shocirn aboue, then phedwin and Aucler gio Ravdonc tinc riunining Wet between rection 19 and 30 , And make Correctiono. AA $1 / 4$ Corner between cectibno 19 and $30, T 136, y$ y $3 \%$ we pek post and 4 Atike for tearing marked" Je p" fai reference pointo: ane NE, NW, SE, sw, at 46.70 fect diotant then return to Smitho Ior dinne
 copner opsictionsi $13,18,19,424$, hetween owopi 136, popo 31 and 32 where all $\dot{u}$ s. bicarind trees
 waip litiveen he Rection Coiner a mile borth and a mile sorfth.
 14 inchtamarac stuf, $192^{\circ}$ E. 32.80 fut. 18 inch $\operatorname{tamarac}$ stub 5 \& $9 \circ \mathrm{~W} 39.95$ fect. at $1 / 4$ corner between 19 and 24 , ue dreve $1 / / 2$ inch inon peipe, 12 matio lbing $\%$ for post, thex retern to Smitho for supper and lodging, Sugred Hi-Fallovin
 uith Nunvey ortfik to Seadeh - Charge \$1.00, Balduic aud Fuklin take ntage ane go to.


 Moufoten takes is to Traveler hotel for pupper and lodjing Demet- Hi7. Bueduin.



 road in Fump.136, teg.31: Bredurin and Curs go ouks Noter and hunct records for information regarding there no $\operatorname{cods}$; palduric and tucer fqarding ale duy, at totel Chese, Abo for lodging, Sugned tt 7. Walduin Guly soth, 1916. Mo voote: Balduivn and Fuolet bleep bet yotel Chake: Sigired- N17, balduvin.
In recording the above pirvey, 1 have copkied the notes in The. Buedivinis fuetd troak as it was thanded in to me, and have eapeied everything biaring divectly ar indirectly onthe work, to shome the time bactuckly yput in, incuiding Thinol detail which og conrider nececcary, but thave left out onne of hiv daily meryoranda which would Rave no tearing or the Actial Burvey.: fohn. N. Curo. Lurvey begun fune 25,1916: Fincishid fuly 29,1916.
Jecorded - nov-27-1916.

Gounty thiveyor,
aso ds. Thinnooota.

## TOWNSHIP 136. TG. 30, SECS. 2-3-4-5-6 <br> TOWNSHIP 137. TO. 30, SECS. 14-15-2R-2 3-26-27-28-29-32-33-34-35

fill notes. of the survey and establishment of iron and wood corners
and liver rum in Rect 2, 3, 4, 5,6, 1, 136,7,5o and $\sec 17,15,22,23,26,27,28,29,52$
33,34,35, 7,137, 何 30 , Cor County. Thinnevota, as surveyed buy $A$, W. Thouloter,
Deputy County Surveyor bass County Thinnecota.
Hhercelry They 18,1911. A. Withoulstectransit man, Emil Null, Amman,
A. Bounds. Aumax, Clyde tall Chuniman No hew ring at corner to secs: 22,

 cutout 2 hods wide) Corner seta in Hoith edge of Marsh: Aet 200 gin in At 765.30 Ret Rut on raise, then gradually eloping south: At $800 \times 1000,8$
$1200 \% 1400 \mathrm{ft}$. South Ret pin: At 1475 leif 1200\% 1400 ft. South Ret pin: At 1475 enter emalle Theadour which fro veN oE: At 1600 pin in Theadow; Ar 1800 pin in Theadow: Ah 1900 leave Theadow which bears S'W + E: At 2000 pin- Gently sloperspevard $t / 1 /$ Corner-Then down: At $21200 \%$
 Ti. 37, ing 30 , where K.S. Notes call for post and:
 Pho trees, Frees Sadly burnt, Continue South and at 2800 Ret pin. AF 5000 enter glen poplar timber: at $3200+3 \neq 00 \$ 3600$ pet pin: At 3732. Croce youth Eq Wi. at 3800 pin: Af 3805.40 ret hut-land gently slopes: At 40004420044400 ket yin: At 4509.75 set hut; $A t 4600 \times 9480$. set pin: At 4900 center of oral Ravine 100 ft. across: At $5000+5200$ ketpin: At 5280 set hut for tempo corner to secs $26,27,37,35$, where 21.5 . Noted call for jeoct and: Aspen 7 inch, $540^{\circ} E, 2$ link $=1.32$ ft. Aspen 6 rich, $52,0 w, 3$ links $=1.98$ gt.

No trace of section comer, Continue line South... At $5 \neq 00$ set pion
Friday Pay 19,1911. Same Crew rete, Continue yuaterdaṕ line South.
At 5505:10 Ret hut: 5600 yin: 5613.50 set Kilt: Ah 0800960009620096400 o 6600 Ret pin: At 6800 leave green timber, and enter open small buccal and fir trees: 6850 Rét hut: 7000 set pix: $W 4.7200 .15$ Ret hut: 7400 pin: A1 7512 center of old road tho. SEANW: 7600 pin: Ah. 7628.18 set hub: land begins to slope dour lo Valley:


 at 8200 enter creek bottom, Eq. At 8249 creche tho. NW 45 : AK. 8700 pix in bottom: At 8450 leave fottono which rive to 8900 : At $8600 \times 8800$ wet join: At 5870 enter spinal field: At 8976.60 set hut in field: At 9000 pin in field: At 9159 crows fince. leave field: Af 9200 enter thick poplar buck: Af 9400 pin in poplar bush: At 9600 ret pix: At $97 \times 6$ enter mall field: Ah 9800 join in field: at 9893.75 hut in field: At 9922 leave field enter timber: Ah
 Which bro. Eq: Ah 10432 center of Main road $E+W$; At 15560 Ret join for temp. $S$ Corner to pecs $34 \$ 35, T, 137, \mathrm{Ng} \cdot 30$, where K . s. Notes call for post and:
 There is no trace of the corner and we Continue 5 to 1040 th. and Ret hut on 5 side

Hivoal Vav 8030:-
Saturlay thay 20,79II. A. Wi. Houleteo tranuit ant chain emil tevela aind 4. Runid Axemex, clyde tall chin, at It comer ons side bsec- 5 ,
 Pine 6 inch, $N 26^{\circ} \mathrm{W}, 32 \mathrm{lps}$. At the sE conir op peci 55 thing the sw coinen


 fuy Curs from the pine tearing thee. set a hue foot youth as there is a telephone poli in kine, and Hun wect m $8020^{\prime} v a v$ ("Qn randon line thocth
 too setpein: Ahazosis wet seh hut: At 60.04500 ft weshpetyoin : A\% 926
 At 1200 pet jin: Ah a do-enter dry-lovi land: At 1600 pin on locir land. At 180 set thut on lowland: Ah 2000 setpein on low land: Ah 2200 leave
 At 2730 enter: 7herdour land. Ah2800 yin ón neadow; at 2932 creek 2 jh acroer $N+S$ - flowing south, $A 1300$ meadow; $A h 3-0$ - leave meadow: At $3+100 * 3600 * 380$ seh prin: At 3585esionethut -

## Punday thei $21,19 / 1$ Ah rome:

Thinday Phaif 22.1911 Pained in A.M.
Fuendy 7 hdy $23,1,11$ Continues Saturday' line weat At 3975 enter Uet swamy,


 entertexill: At 5200 pin in worlat at 280.30 rel hut; 2 then offret youth 6 ff $(t)=6.5 \%$ hy tirning $90^{\circ}$ Angle aid wacking lack-thet 3885080 g ect a new





 set pix: At 7876,50 croos five fook Colvert $1+5$ in omall ditch At 1920

 $\pi /$ trace of $1 / 4$ corniri At $8000 \times 220048 \times 009860008500 \times 900004200 \times 9700 \mathrm{Ft}$ Wi pid pin. Wetruday Thay 24, 1911. Sime Crew except Thu A Joundi who io aboent Contince best. Ahq5-34 f5 set rut; At $960099700 * 10000$ Ret pin: At 10.043 bo pet nub. Ah102004 10600 pet pin' At 10560 flw wet heet for temper to pece $33-1$ $31, T, 131, \operatorname{Rg} 30$, Where 26,5 , Noles call for pooh and : vopenilinch, $129^{\circ} E$ qek $=5.94$ fh Aepen inch, 3530 W, 28 lBe $=18 \neq 8$ gh No trace of pance and costinue west...... (Tandom line on Nosth sill po sec 4, T, J6, XP30,
 W. cinter fo Srok culvert, iowatu 11000 o 11200 o $11+00$ petjoin: al 11592 ff Wrek hut: AL 1600 olirooketpon= At 11919 fh. w center of 2 foot

culvert. To water. At 12000\%12200*12400 oct join: At 12476 flit W. sethut: At $12600 \not 12800 \% 13000713200$ ketpin: Atty cons side pice 33 , T.i37, k. 30, K. 5 Notes cache for tot and:
W. Burch 6 inch, $N 52 \% 5^{-1 E} 170$ lei $=112.20$ fit.
head Open 6 inch, N 6.1030'W, $26 \mathrm{les}=17.16 \mathrm{ft}$.
All are gone, continue west. At /3239.13 fin set hut. Then offset o 15 ft. (telephone pole in hive) Thin going hack to hut 12476 g set $a$ hick is fit S. for a tack phot; this now makeome 65 ft. minus 15 ft. $=50$, It. iv it the original random hive o started on, Continue west:
Thursday Thay 25,1911 A.W. Thoulcter-tranoitonan, assisted thy A. Dounde, Emil cued, and clyde tall. Atis306.50 fl. Winter of $41 / 2$ it. Culvert
 Whet: hue: At $14600 \% 14800715000415200 \times 104400 \times 10600$ set pin: At 15800 set pain: At 10840 temporary cow. to secs $32433,7,137,18,30$, where
 Tain 6 inch, $N 130+5$ W, 31 le. $=24.42$ ft. 2 find an old Retake 2+3+18" in paige on S side of the grade, which i Mr. POM. Anderson kayo Cur o pret in, O
also. find a fine post standing NW And flaged with a also.frid a fine port standing NW and lazed with a tack in . 2 write to Curs requiring this Corner. Continue. West: A1.15880-a Ranch telephone lind ruins $N$ At 15885 Center 83 ft. Culvert, dry. At 15898 center of road runming $N$ : At 15892.60 ft. W set huts. Var. Reads $8^{\circ} 30^{\circ}$
Ah hut 15892.60 th. W 9 fleet $5: 0$ ft, then going tace to tut exch, oct a nut oft. South This now makes me wo fth Thinks 10 fl $=40 \mathrm{ft} . \mathrm{N}$ of the ravidom line. $\checkmark$ started on, Continue $W$. (on North vide of secs $596, T 136$, Ti.30, and s vide of sec. 32, T1 137, R.30, Curs). At $16000916200416400916600416800 \times 17000417200917700$ pet pin: At 17430.20 ft. net hit: $\dot{A t} 17430.20$ offset $s$ 20 yt. Ft telephone pole
 line 40 ft. minus $20 \mathrm{ft}=20 \mathrm{ft}$. N. If the line 9 started on aid Continue vest: at 17600417800418000418200418400 Ret join: At 18480 Ret hut for tempo. 1/4
 T. $36,7,30$, Curs). I find no trees or comer. . 2 Friday May 26, 1911 Sine ercciond too. Doing to the coiners of pec. 25, $26,35436,4,137$, 30, 9 find ansis $36 "$ cement monument, which who pet but Curs. Sort Notes call for the following tearing truces.
 Read Aspen 8 inch, $570^{\circ 0} \mathrm{~W}, 27 \mathrm{lk} . .$. He ind Aspen 7 inch, $554^{\circ} \mathrm{E}, 28$ leo. Ten west on 805' var:' At 30 ft. enter thick poplar thrush: At 200 croso red road:-SW+E: At A0046009800 41000 set pain: At 1106.40 set Lect: At 1200 Ret pin: At 1270 enter dry lowland: At 1400 pet yin: At 1460 conte of oed road -NE + SN: At $160041800 \times 2000$ set pin: AL 2091.50 fin set Jut: Ah 2200 enter tag alders: LAt 2275 leave same. At 2400 中 2600 set join: Notrace of $1 / 4$ comer Let $26435, T 137$, , 30 , where $\mathcal{N} .5$, Note call for yooet and: Aspen 5 inch; $N 3^{\circ} 30^{\prime} E, 25$ 2 ko $=16.50 \mathrm{fH}$. W. Which 7 inch, S $12^{\circ} 30^{\prime} \mathrm{E}, 12 \mathrm{eks}=7.92 \mathrm{ft}$. Continue west: At 279.580 fh . set hut: At $2500 \times 3000$ $\$ 32009340093600$ Rit rein: At 38.00 leave lowland: At 4000 Ret pin: At 4125:25 fl. West set tut in center of roadNas. At 4200 enter poplar timber. Atatoo


Vinday thay $28,19 \%$. At hoine.
Thondiy Thay 29,1911. A, Th. Thouter with Rame erew Continue lvest: At 5280 fr. Ir set hief for temp. Couner to seev. $26,27,34435,7.137,1,30$. At 5400 45600 set pin: Ats670enter loveland: At5750 leave eame: Act $5800 \% 6000$ set pin: At 61,2710 ft. Net Rut: At620. set pin: At 6400 it. w. set hut: At


 N. 30 , where $\mathbb{H}, S$. Note call for post and:
 Tire hurns stumps, Continue vect. DA 8000 set pin: At 816780 f. Iv aet huf on hill: At $8200 \times 8400 \% 8600 \% 880049000$ pet yein: At 9129 ft. Wet hub: At 9200994009960099800 Ret piw:

Tueoday Thay 30,1911. It rainned
Leednesday Thay $31,1911.2$. Whouloter with pame crew continue west: Aef
 Ut 10400 pein: At 10500 leave low land: At 10560 temp. Corner to Reci 27, 28, 35, 34, 1.137, R.30, where K.S. Tote call for port and: W.pine 20 inch, $570^{\circ} \mathrm{E}, 21 \mathrm{lk}=13,86$ Lhi 7 NiPinc 18 inch, $523^{\circ} \mathrm{N}, 29$ lko. $=1914$ fth
 و fivid a 3 oinch W. Pine tree Tharked "R. 30 w"which 9 think io one of the teareing tres, thet Continue west for a eheck: At10600 enter yhassh: Qt 107001 leave same: At $10800 \times 11000 \% 11200411400$ set pein: Qt 11459.50 ff. Weet set huf: At 11600 411800412000\%12200412400 set pin: At12495.10 ft, whet Rut: Af12600 pin: At12700. Thaple hill ( 9 queso). Af 12800 pind 13000 Ret


 15867.70 ft. W. set hut East of wagon track in nnain noud. Wari.7045: Thursduy fune 1,1911. A,W. Dhacoter with eane ercu. Letting on Corner to secs 22,23,26,27,7.137, 0.30, Nurn Tarth, 80, 5 Variation.
at 200 pin: Qt258.25 fhin pet huti At $70096009800910004170091400 \times$ 1600 set pin: At 1787.70 get. N set heet: At 18004200042700 Ret pein: At 24 57 Let.

 Q find a ptub about 30 fth high Leing the Nw Learing tree with pcribe vhirpsivishe - also finil anold rottin stemp evident of the sefearing the . of set. nuef fion the NW fearing iree Cor the true $1 / 4$ cornit. Var. 80/5'.
At 2605.30 fin. N. the true1/4 cormer Let. Recs. $22423,7137, R .30$, seto E10.30 fl,
 140091600918004200042200 cetpin: At 2400 ft, set huf: At 2600 Ret pin:
 U.S. Notes call Lor poot and:


 ATump with ". $B$ T" markoplain Sch hut for corner by rneasuremento, after whichthe oed telaringe, At $9^{\circ}$ var, then otand ar focloroo:

Friday fune $2,19 \|$ a. Wh Thilstu transihnen urth voinds and fucl asitiving
 SW hearing the heving a otik 12 Gt high fadly hovich, tuk "R ss w" Acing plainly. powi. Oould nor find the Fher Raringitree, evcept old root op the sEthee. Let conver thy Coure and riewourencent, Qtsos variation, Qed eearivg the then petxos. ar joclown: Ltid 20 inch, 5230 N 1917 fl



 QA 15901.5 iff W Thi corver pito s 11.70 ft Hut 15892.60 fi w io 5 fth nif luine






 Conver to pecs $3493,5, T 137,030$. Fhenwbearing thees are:

Soturday fiene $3,19 \|$. A. Mi Mnuloter Making purvey, aroistel fiy pound. And tall. Dorrecting hine. ALNW conncr of pee 3 , heving the couner to.. Reci $26,27,34 \times 35, \%, 37, x-30$ distaine ExA, length of line buy my purvey from

 $52753 W$ and the diatance $N \not 4 s$, Hort Chain from the SE cor of sec $2 \%$ to. the SE Conver F pec 34 in 10560 ft and my chain $=10486 \mathrm{fi}$ pocition of this Coner Nos is 10486 ft divided by $2=5243$ fts of the Cor to veco $22,23,26927$.
 Hearingo AK $8^{\circ} 30^{\prime}$, variation as followe:

Qet 5 -275, 30 fh. W the in eonner to sec 35 seto 575.10 ft.
 the NW Coiner of pection 35 peto west 35.55 feet: 765,385 peto went 515 fech: 26409 , goer usid 1718 feet. $3805.40 s$ goeswest 25.70 ft. $4509.755^{\circ}$ goes west 30.5 - fed: Corricting the hire het Recs 34 and 35 :


 Whot I s so feet.

Porition of $1 / 4$ cover between Rection 26 and $27,7,137,1 \mathrm{~g}, 30$, at 2621,50 fect Louth and unest 1711 fechi

Position of SW comer onoc 34, at $106.0 \%$ west and Douth 39.48 eth
Position of $1 /$ corner fetwen sectinc 27 and 34 seto at 791710 west touth 6541 fif

Pocition f $1 / 4$ post Retiveex Rectiono 34 and 5,10 ai 186450 Soicth and uncel 29.27 lech... Dection of $1 / 4$ corner ditiven section 28 and $3,10,10215,17$ vout and poicth 101.79 fect.

Thonkay fune 12 ; $9 / 1$ a MN Mouktar and A Poundo with toost aind nig
 He folloving peaces: Ln 13 , 130 , Ihe NE cornci g cec $2^{2} 2$ being tive tor. of piex $14,15,2,223$ and the SE Curner of pec, 22 being the cornert to peco $2 \%$,
 Anil at the SE Porver op sec 27, being the cor. to pece $2621,3+435$ ond at the //木 corver on the Eash pide.g Rec 2.7 Ret pections 26 and 27
 Thonuminto in hock in $T 1,3$, P. 30 at the following polace. SE couner sec: $28 \%$ Hing the cor. to ken $27,2 \pi, 3$ of 3 , anch at the sw cor of sec 28 , being the eor. to pece 2812932433 , and at the sw ooncr of cec 35 being the 5 corner topeco 32 of 33 , And
 $=$ Aidi onec 34 , hek Recoi $34 \%$,
Hicreyed tuy A Wh Thouleter, Deputy Connty Surveyor, Caso County Thinvenotu, Thay 18,4911 to fune 13,1911
Tecioled Tecouded

County Sunveyor- 916
Cuss.D.THinneota

## TOWNSHIP 140 N. PG. $28 \mathrm{~W} 5^{\text {Th P. P.M. }}$

SECTIONS: 1,2, 3, 4, 5, 6 .
TOWNSHIP 141 N RG. $28 \mathrm{~W} .5^{\text {TH }}$ P.M.
SECTIONS: $31,32,33,34,35,36$.

Fied thotes of the survey po sees $1,2,3,4,5,4$, two . $170,20,28$, and Restions $31,32,30,30,35,36$, Tup, $141,1 \mathrm{P}, 25$, and extabliehment of hew cornero and new hearingtices in said sec as surveyed bry and under the diection
 Thurch 14 th, 1912, Harry S. Fodd Drancitman. Beginining at the SE cos.ppee 36 ,
 correited line and ruin won 9 varintion. At $1+95 \mathrm{set}$ luti At 2603 crood
 theng the Toith hie gree.1, 1:170-25, we ceank tere for ferringtrew tuct eveng thing hes teen turn't es that we find rothing and continue If: At 2752:85 retthut: At 2977 inter tamk swamp, tro Nos: Quit for nipht, Over Thigh with Thark Snele. Heoze Snell, Thark shell, Hokw Sleasgow, femer ford assotel Fodd in thei survey.
eame varuation: Af 3600 leave surampond enter little fick tinc boland Which lews ros: At 36.87 .20 set hutl. At 3720 enter tamk. swamp covered with winffullo: At 5050 leave purmp which than N80 W: At 510.5750 set hus on little raive graund in owimp: at 0580 set temp. sh comer $\$$ see. 359 141-28. We lo Sh here for bearing toce thet find nothing that we ban takethere is a comer about 100 fect thoith of our hine with two new dearing trees to it, tut as we find sio old us.s. Hedning theeo we do not wee it. Gtil for night, Quer hight with Thuk Snell. Hearge Snece, Thark Sne Re, tomes ford, avcisted Ardd in this purvey, Dodd wing a K. 4 E Iransit, sooft Chicays sted tape and johimt- bred.
 Thurd 17,1912. Foded at snell and fijure Yoter?
Tharch 18, 1912. We find no connero, aledearingtrees on Norts pide 8 peen, T140, 10.25, and continue braxit line wow onmevarution. At 5145 le leve swamp o entier culur swamp turo $N+0^{\circ} \mathrm{W}$ : At $5-520$ lenve Cedar and entur hige welang enud At 6617.65 ret tut, At 630 enter porint of cedar swamp hecroves: Af6516 levveieane and enter tiji land: at 86.0 .50 enter brie beriver tearo $N+5$ : At 6940 leave pame anle enter Righ roleing land: at 1301 set tut. At 7847 croos wire fence: At 1858 croserobd: At 7920 temp. It comer on s , ile os sec 35, T141, 7eg.28. We pearch for terring tree here tut gind Twothing and Continue Wi blsi+1;40 SE corner of beorge Engleharto thoum tho. N20.70 f1: : At 1173 the sw comen of pami haure tewno $x=2,55$ th: At 8 256enter marah bearo $195^{\circ}$ E, 5060 leave same and at 5380 croo
wire fence: At 8483.70 set hut: At 8614.50 chooowire fence: At 8688 enter wire grass Twat bio. is: $A 18908$ leave same and enter high ground. At 9097.90 set tut: At 9501.75 set tuff: At 9732 Chose road: Gat 9991 enter Cat. Fail swamp: At 101.41 leave same: fruit for night, over night with Thank Snell. Serge Snell, Thaik swell, fame o Ford asaicted IA Ch to dry. tarry S. Todd transit and chain.
Thatch 19, 1912. Mark Snell, Frank tinckert, fame o Ford. Cut brook. Hod on Tote o K. AE transit, 300 ft. Chicago Steel tape and pent- Not. Nearing thees Covid be found to peso $2 \times 3,7140$, keg. 28 .
Tharch 20,1912. Continue transit line west. At 10339 crows pood bro N 1 S At 10466 enter vindfuce swamp th r.N*5. At 10756 leave same and enter high ground: At 10856 crows ode road: At 11120.15 set hut: At 11200 enter tamed. and spue to tho. N20 E; At 11771 leave same and enter high rocking land:
 crows road bo. Nos. At 13366 enter Cranberry tog bro. F4iw: At 13820 Croes Songrille and pine beverstage road: 'At 3805 set the: At 14502.4 Ret tut: At 175, Enter bver-flow of Gil Lake lying ataut too fin of ur. Auer: flow br $N \neq S$ : Af 15063 lew eve same Gro. $N \neq S$ : Ot 15223.80 Ret hut: At $10^{-4} 10$ entertamkthoy: At 15763 leave hog bears N\&50W: quit for night. Thark Snell, tries Ford, Funk pickers accicted. tarry s. INd transitman. Todd stays with Thark Snell.
March 21,1912. Continue transit line west. At 15840 Ret temp. Cor. to secs so $\$ 54,7,141, \mathrm{xy} .28$. 2 search hue but Find $n$ ot earing trees and Continue lvect At 16265.50 set hut; At 16520 enter lake tho $10^{\circ} \mathrm{W}$ - At 17100 leave lake = Qt11402 crows road leading to Craigi house. At 17526.50 Ret hut: At 17650 enter lake bro .N 4 S: At 18375 leave lake: - At 18480 set tempi $1 / 4$ post on S' side of sec. $33, T, 141$, py.28, on Tooth side of Rec. $4, T 140,7$ PY. 2P, We find res hearing tree and continue west. At 18520 entertamk. hog bro. 1200 W : At 19432 leave same: At 19740 enter field: at 19862 set hut on hill: At 20660 enter for bro. NY s: At 21060 leave same and enter high land: At 21120 set temp. Cower to sect. $32 \times 33, T \cdot 141,1,28$, where we find his hearing trees sand fuck for night. Ind ptayp over night with Pinchers. Thank Snell, Frank Pinkkert, and Amer Ford assisted Barre S. Ard today, Hod using a K. YE. transit, 300 foot steel tape and plum t Sot
Thatch 2219/2. Continue transit line west Let. Iupp:140 $1914 \mathrm{~N}, \mathrm{deg} .28$ west. Same Variation: At 21369.50 set hut at 21400 Cross road hus Nos: At 22319.30 set huff: At 22452 enter over flow of Thorough fore bet. Woman and Birl alae whig bro. Nos. At 22800 entu charnel of rime which tho. N $45^{\circ} \mathrm{W}$ : At
22950 leave came browN 450 W : At 23545 leave over flow and enter high land
 hut: We pet a hut out on the lake and search for herring trees to cor. of secs 11902, $1.141-28$, fut find nome and quit for night. Same knew worked. Aver night with prickers.
Tharck 23,1912. Thark snell and Foddigo back to the line and put innew bearing twee s to the temporary comer on the sade of sec. 32,141-25 Dogear 5,


292-CONT
 Rirch 5 inch, $N 1010^{\prime} W_{1}+00$ ft: Poplar $\delta$ inch, $N 28^{\circ} 45^{\prime} E_{5} 36,30 f$
 nighf:

$\because$ Thik Anelé to Pongille - leave the outfit chere and vale ouh to frank Trivekeiti






 if is almostimposible totel whether they nevereen merked on zot. Puif yon night and yonid rotel viel, \$l oo ak. Ponquill.

April 3,1912 . Frank 也vickert and - 9 Requic a olide at 24000 wand chanin.
 tooman Aake: At 2 \& s6o leaue came and enter liebe: at 264 oo pet temp SE Briner, Rec $3, T$ IA, R, 28 , Where $i l$ s, Notio ace yor:

We find Nothing and we continue Weoh at 31060 lewe late hes Noxs. He thin whthe hine inluid aboukfoo th and go lork for hening thec it sw
 Leaving a slat pticking up su which un candistinquid the letten "s31" Ifict
 Lind thex find the other one At is Hurned eo na pharke eain he kecm peainely. Both trees check oukfar eousoe and meanurimento Iue put in Rtake por:

 Hotel espence. Fiving $s$. Todd


 btartcheckingback Eash ove our naidom line and get acrovo the lape
 $\checkmark$ We finid the old Mor. Bearing trees plainly marked from which ive pet the

 Aprie 5,1912 . Covecting our naindan line Eust, we find that the sE enner
 do this zheacurement comesointin the inver. low of Nomin luke po that vele cannok drive a conner in, or even work around it. we go to the tempas $A$


poposinch $5,65^{\circ} \mathrm{W}, 9.50$ ft, pop. 8 inch, $545^{\circ} \mathrm{F}, 1350$ it
 -

theice and we cannot gek at our temp. $1 / 4$ connei on 5 side 8 sec. 33, so we do not eet it hut go to the East $1 / 16$ corner oni 5 side $D$ T141, R. 28 . We find that this coinen queo. North $345 . j 8$ fto and Enst
 gres $N$ 318.18 ft: and Enst 50.04 ft. Where we pent in stabe vith hecw bearing thees as followo:

Auit for night. Frank Pinckert, Paid $\$ 100$ totel expence. Hary 5 , Todill
April 6,1912. Harry Jodd aid Frank Pinckert Continue conrecting live enst. The SE Corner of sec. $34=9 \mathrm{~W}$ corig sec. $35, T, 141, \operatorname{pi} 28$, qaes Thath 212.35 fh. and East 33.36 ft. we puth in following texring twees:
 The SE Conner g Rec. $35=5 W$ cor. Reci: $36, T 141$, R. 25, goes North 105. 87. Ft. And East 16.68 ft. Where we ject in neiv tearingo as follovo: cedar 1 inch, $N \neq 5^{\circ}$ E, $8.70^{\circ}$ ft: Cedar 9 inch $N 35^{\circ} \mathrm{W} 18.90^{\circ} \mathrm{ft}$ Frank Rivekert Relped me to take ouh-fit achos Ingundona Akke. paid \$1se Hotel Eypense. We coulil find no comers, ael tearingor on Fonth Ride of eese $1,2,3,4,5,6,71+0,1,28$. Tavry S, Fodd.

TOWN SHIP-138-FRG. 31.-SEC. 31.
TOWNSHIP -137-RG. 31.-SEC. 6.
field notes of the survey of the line between iecr.6,131, re, 31, and Rec ,31, T. 1 B 5, R. 31, as surveyed bu f A. W. Thoulster Deputy County Rurveyos.

Monday July 17,191. A. IN. Mouloter tranaikman., with A. wo l fuller, William wagner and Hon Groomsman, assisting: herive to the $s$ boundary of sec. 31 , T. 138, H. 31, with livery team.

Tuesday July $18,19 \%$. Ruined part or the day, toward evening stopped raining and we worked until dak. Setting on the sw corner of pec .31, T13, d. 31, being

being an 818 munch cement post; 9 pout of race: At 800 set pin.
Wednesday full 19,1911 . At 14 corner tet, secs $6931 / 24.5$, totes call for wi. went 651 links frombwhich: Aspen 10 inch her. $N+60151 \mathrm{E}, 218 \mathrm{lk},=8+3.88 \mathrm{ft}$ At 874.90 qt. East ret huff: At 100091200 set join: At 1374.70 set Rub on hill at big cut At 1400 set pin: At 1500 center of meadow: at 1600 set pin: At 1650.40 ft.E. set hut on hill: Ah 1760 enter dry plough: At 1800 $+2000 \% 220092700$ Ret pin: At 2600 leave dry plough: Oh:2725-enter dry. slough: Af 2500 . Ret pen: Ah 2875 leave slough: $A 13000 \% 3200$ Ret pain: At 3307.80 fth E Ret hut: At 3400 set join: At 3528.30 ft Es set hut on hill: At 3600 set pin: At 3700 enter meadow: $A R 3800$ set pin: at 3550 leave theadow: At 4000 set pin: At 4074 ft. E. Ret hut on hill: At 4200 Ret pin: At 4450.35 E. set tut on hill: $A+4-600$ yin: $A 4+728.32 \mathrm{ft}$. E. hut, which is Curoio 7heacuremeat for the mile: the hut sets in his hive. Found his old hub lying on the ground, which kRis jutes say, he Ret for the true corner to pecs, 5, 5, 31732, between $T .137+135 \mathrm{NR}$ R. 31 w . Af this, conner curs found the old NW , w. Pine Shit fearing tree and put in new hearings as follows:
Red Qaksinch, $N+1^{\circ} 4^{\prime} \mathrm{W}, 41.15 \mathrm{fh}$, birch 12 rich, $572^{\circ} 16^{\prime} \mathrm{W}, 4 \mathrm{z}$. 21 fth Thursday fury 20,1911. A M. we packed and in PM. we returned home.
Surveyed fy A.N. Thoulcter, Deputy County Surveyor,
case County, thinnesota, July 17,1911 fully 20, 1911. Kecoided pec.1-16.

County Surveyor, Case Co. Thinnedota.

PLAT.
Twp. 138-Rg.31-Sec'.31-Twr.137-Rg.31-Sec. 6
Scale: 1000 -Feet $=1$-inch.



TOWNSHIP 141 N -RANGE $28 \mathrm{~W} .5^{\text {TH P. P. M. }}$
SECTIONS: 28-29-30-31-32-33-34.
Field Notes of the purvey Nide in eco $28,29,30,31,32,33,37, \pi 141$, , 28, As surveyed tho fame 0 . Middleton, under the direction of Town Board of
 pert have keen handed in to Thy office by Thru. Thididleton, thru his Attorney The. Daniel He Fury with a den and from the town Round of Kegs Lochrohip that the same he recorded in the County Record book of survey "Mr. Thiddletoris notes are as jollocus:
"J.R.Kego.
Field voter of a Revive of the Center line for a Hove pod In the
Hove of kegs, lass County, Minnesota.
Explanatory.
The instrument used in the purvey is a C.S. Bergen o sons No. 1, a transit inc perfect adjustment.
The tape yneanurew used are a poe 300 feet- And a Lucas 100 feet steel chain tapes which had yervivicly. Len compared by measciring each 100 feet of the Roes chain tope with the Lucas Chain tape and finding then to conespops: all measurements are in feet and decimals of a goat except those op the 2 .s. fearing trees (73. Ts) which are according to a copy of the $u$. Field Notes furnished buy the county Surveyor.
Ole hearing o are according to the Magnetic meridian except those of the Li Si B. Ts Which are according to the fried Notes mentioned
Corners established thy the County Surveyor were weed. Others that were destroyed were ascertained by proportional mewourment.
*********
$\partial$ go to the conner to Rect. $25,30,31$ and $36, T 141 \mathrm{~N}$. RS 28 and 29 Wi, as established fry the County Reciveyor. A wood hut for the corner and Hamarac tween for the B. Ts. in a Marsh.
2 Call this Rection Corves station 000+00.00 and Regin the survey at this Cover. Whence.

Y $82^{\circ} \mathrm{f5} 5^{\prime} \mathrm{E}, 818,40$ feet to an angle point, or station $8+18.40$, a word hut at the angle. Mo. B. Ts.
Station.
$000+00.00$ the Conc to Reed 25,30,319436,T141,N. lego. 28429 N .
$8+18.40$ The angle point.. Thence.
Left $22^{\circ} 00^{\prime}$ or $N 60^{\circ} 45^{\prime}$ E, 878.00 feet to an angle point or petition $16+96140$.
8+18.40 Angle print
$16+9640$ The angle point, a wood hub at the point. Ho B. Ts.... Thence.
Right $4^{\circ} 00^{\prime}$ or N $64^{\circ} 45^{\prime} E, 435.00$ th to an angle point or station $21+31.40$.
Angle point
$16+96.40$ Angle point
11+31.40 The angle point. No BUTs... Thence.
right $4028^{\prime}$ ar $N .69^{\circ} 1 \mathcal{S}^{\prime} E, 2965.00$ feet to an angle point , or, Stu. $50+96.40$.
$21+31.40$ angle point
24+55.00 Enter peal March.
25+05.00 Save the Marsh.
InN-1.20.00 Enter Mari.

28+30.00 leave the pharoh
14+00.00 Enter Maral
$45+80.00$ Leque the Tharah.
46+30,00 Enter imall thawh.
to +60.00 Seqve the 7 nursh.
49+40:00 Enter Tharsh
$50+96.40$ the angle print, a wood the at the angle. N.B.TS..... Thence
Right $45^{\circ} / 1$ ors $655^{\circ} 40^{\prime \prime}$ E, 114430 fth to an angle point, ov ot, $60+40.70$
50+96.40 Angle jorint, Seave the mardh.
$57+71.00$ Outhe of Narah, floviv Southwestraid. Edye of mared in right. Ff-way,
$60+40.70$ The angle point, a wood kub at the angle. No B.Ts.... Ihence..
 Dijlt 9012. ous56.34 E 377.40 fect to an angle point, or sta. $66 \times 18,10$. 60+40,70 Angle yoaint
bot 18,10 The angle point, a wood hiut at the angle. No B.T'S... Thence.Left $4^{\circ} 14^{\prime}$ or $560^{\circ} 48^{\prime} E, 476.00$ fect to an angle point or ota. 70+94110.
66+1810 angle jovint
$b r+20.00$. Seque the marah.
69+40.00 Enter nuwah.
69+95:00 Leave the. Muroh.
$70+9410$.
The angle point, a wood hut at the angle. No B.T's.. Slence--
Left $48^{\circ} 45^{\prime}$ or $170^{\circ} 29^{\circ} E, 1134.00$ ght $^{\prime}$ to an angle paint, or Sta.82+28.10"
10+94,10 Angle point.
$82+28.10$
2+95:00 Seave the marod
$\frac{14+88}{7614210}$
p4+20.00 Enter Mhareh
74+45.00 Leave the 7nurah
$76+35: 00 \quad$ edge of Fulley
$76+65: 00$ bver Gulley
p7+45:00 Enter maroh
1+75i00 Seave the marsh
$p 8+85,00$. Enter march
pat 20.00. Seave the Tharsh.
$x+28.10$
the angle point, awood hut at the pint. No B.Ts. $96+4110,0$
Rijht, $399^{16}$ or $570^{\circ}, 25{ }^{\prime} E_{1} 1413$ feet to an angle point, or Ntu. $96+41,1010$
angle point
$\begin{array}{ll}52+28.10 & \text { angle point } \\ 2+50.00 & \text { Enter Maral }\end{array}$
\$3.+50.00 Leave the Thard


The angle point, a word hirt at the angle. Ho B.Ts... Hhence..

阿 $9+4.90$ angle point.
The corner to ceso. $25,29,32433$, a qulvaniged inso pije for the comens, prom which tean the foceoving in, S, B.Ts.-

$$
\begin{aligned}
& \text { Noway Pine } 17 \text { N, } 59^{\circ} 00^{\prime} \text { E (umains) -- } \\
& \text { Koviay Pine } 7 \text { iv } 53^{\circ} 00^{\prime} \mathrm{W} \text { (remains) }
\end{aligned}
$$

White Birch $12,530^{\circ} 00^{\prime}$ W (nof jound)
14t links.
and the following additional B,T,-

Tight $30: 10^{\prime}$ or $190+51$, 3879 sotect, on the line fet reco 28930 to ito intervection

$99+17: 10$. The comer to Reco. $28,29,32+33$.
$104+40.00$ Entir 2 Nara $A$
10t+9000 live the tharah.
$108+8.000$ Enter Marsh

$$
\begin{gathered}
99+1430 \\
38+79.50 \\
737+9380 \\
202420 \\
7382420
\end{gathered}
$$

$1+2000$ Seave the ithiroh
$15+9500$ inter marsh
$117+00.00$ Keave the maroh
$121+1500$ Enter Marsh
2074
The interpection of the line hetspes 289.33 vith the socth tacndanf live ficech inke Indian Recervaiv, a word hud atthe nturection. Ster-



$127+96,00$ The intersection of the line telvien sect 28733 with the south Tounclanylnie of Seech Lake Indiun lévervation.
$128+65.00$ lewe the massh
$129+40.00$ Enter mareh
$145+2510$ Intersection line fetween seco. $33+3 A, 25-7 A$ feef north of the sneandir Conner on the Noith shore of Hill Aabe
$156+2500$ Leave the marst.
$148+000.0$. Enter march. $48+2420$
$48+250$

The angle goinit, a wood hut at the angle. Tho Bi. Thum8ivisit
$158+242$
 $148+25.00$ Angle yeint
148970.87 The angle poont a wood hut at the angle: 720. T3, Ti. Lefh, 4500 or 588050 , 58900 fect to an angle pornt, or pta: $154+55.77$. $158+3687$
$168+7448 \%$
$164+5483$ The Angle paint, a wood huct afthe angle. No B. T':- Ahence = 'eff, 45-0, or $N+6010^{\prime}$ E, 46: 67 Leet to ann angle point, or otction 155+02.44. to Soict Lidy Line .fz LLIIR.
$154+5-571$ Angleyovint
$165+01,54$ The angle pir
The angle print on the soutl: Loundary Line of Recch Lake Endion pecervation,
 Right 4500 or 888050 ' 5 on the Douth Loundany line of Leech Lake ondian Rekervation, 493,40 feet to ar interection with air abondoned Lailroxd quide, or stiotion $169+94,94$
65tol.54. Angle point ox the Aucth founduy live ti Rech Aake indian pecery, ition leave the maril. Ahe intersection the $s$ found wiy line 7 Newh Seke Misin Recervation Wirth the abandoned nail noad giade. To B. TS..

- invery began may 28,1914 :
- Wmpy finichid firne 9,191 a.

9) far othiddleton, a. Avricyor, hereby centify that spurveyed the denter Leine Hthe noad decribel in the occonpanying field note and that direction and
 representation of the said eenter line.
fow Mridaletor
rentel this 20 th dayg anguat 191 t. Onveyor

Deconded Nee. $1-16$
Brangreuro, county Luzveyou.

TownsHip 141 FG. 28-SECT. 11-12-13-14-22-23-27-34

## TOWNSHIP 141 RG. 27-SECT. 7-18.

field new of the purvey made in sect $7418,7,141,0,2 \%$, and secs. $11,12,13,14,22,23,27,34,7,141,1,28$, as surveyed try games $w$. Ynidolleton, under the direction F Tron Bond of tips Foworohy, for the peorjeoceo of establishing a Gown road. He note and jolat have ten wanked in to Thy office by The. Thiddleton, the his attorney, Mr. Annie Os deny with a demand from the Down Grand of togo Sownolip that the came Th recorded in the County Record kook of orvvey. Th. Thiddletons Note o are as follows:

Fill Notes of a purvey of the Center line of a County read intact Irwin of togo, Cad County, Thinnexoth

Explanatory
The instrument used in the survey is a Coo. Berger ot tons MoIl a transit in perfect adjustment.
The tape measures hued are o tore 300 feet- - and a Suck 100 feet steel Chain tapes which previously had ten compared thy thescuring each 100 feet of the pere chain tape with the ducas chain tape and finding them to correspond.

All theacuremento are in fit and decimals of a foot except those of the U.S. Hearing trees (B. Ts) Which are in led, according to a copy of the Uh. Geld note furnished thy the county surveyor.

All-Lewings are according to the magnetic merideain except tho oe The $x$ S. S. Ts', which are according to the field note phrnioked thy the County Surveyor.

Abe Corners were establish l My proportional measurement where the U.S.B.T' had ten destroyed, are not given, or the meacuremento to them are not recorded.

*     *         *             *                 *                     *                         *                             * 

9 go to the $1 / 4$ Scorner bet, pees, $1412, T 114 / 1$ NS $27 * 28 \mathrm{~W}$, and find the following U, S. B, T, which had Lee Lowed down :-
Whit prise, 30 inches in diameter, $55^{\circ} 00^{\prime}$ E, 80 linter.
and establial this $/ 1 / s$ corner according to the $u, s$. field notes, and drive a $1 \times 1 \times 20$ inches drift foll into the ground at the point for the comer, from whin tear the following bother Bots:-
Nouvay Pine, 12 inches in diameter, $589030^{\circ} \mathrm{E}, 162.66$ feet.
Red Oak, 12 inches in diameter. $585030^{\prime} \mathrm{W} 11 \mathrm{p}^{64.37}$ feet
to the heads of 8 d . Nail.
t


to secco. $7,12,13418, T .141 \mathrm{~N}$, de. 27928 W , or station $26+38.80$.
Station.
$000+00.00$ The $1 / 45$ comer between sect. $7 \nrightarrow 12, T 141 \mathrm{~N}$, UP, 27428 W .
$13+80.00$ Enter March.
$14+90.00$. Serve the Marsh
21+10.00 Enter Marsh.
H-Linin Learn: The TMarah.

26+38.80. The conner to Neco.7,12,13418, T171N, No. $28+27$ W\%, a1x1x20 makes drift tole driven into the ground at the poult for the corner; from which hews the following 1 B. Ts:-
White Pine, 28 inches. in diaineter, $53^{\circ} 00^{\prime} \mathrm{W} .4 \neq 10$ feet.
Teed O anN, 10 inches in diameter, $N 14^{0} 55^{\prime} E 39.90$ feet.
The following $H, S$. B.T's for this Corner have keen destroyed by fire:White ak, 4 inch in diameter, $515^{\circ} 00^{\prime}$ E, 30 links.
Wish 6 inches in diameter, North , 18 links
Poplar 6 inches in diameter $557^{\circ} 00^{\prime}$ E, 33 lines.
The. Dak 5 inches in diameter, $157^{\circ} 00^{\prime} \mathrm{W} 33$ linter. ... Thence. -
 feet to the corner to Recs:1112,13,14. T.141 N., R. 28 W .on Sta. 79+3チ.10 $35+40.00$ Enter bharal
$38+90.00$ Save the Moral
44+90.00 Enter Marsh
$47+15.00$ Sew the marsh
$55+40.00$ Enter inarch
bot 00.00 Leave the March
$60+90.00$ Enter 7 March
$62+6.5 .00$ Leave the Marsh
$605+90.00$ Enter 7narah
$66+15.00$ Leas the march
$168+90.00$. Enter 7 harsh
$19+40.00$ Reave the Pharaoh
p3+40.00. Enter Tharah extending beyond the section Corner.
$79+34.10$ The corner to Rect. $11112, l_{3}+1+1, a 1+1 \times 20$ inches drift bolt drvien into the ground at the point for the conner. Nouns. B. T's given. No other BiTs'Left $55^{\circ} 42^{\prime}$ or $58^{\circ} 21^{\prime}=$ dec sec. $13414,2637.30$ feet, to the $1 / 45$ thence. between cess 13914, or station 105+71.40.
$81+20.00$ heave the march.
$105+71.40$ The $1 / 45$ corner between sacco: $13714, a 1 \times 1 \times 20$ incher drift tole driven into the ground at the point for the conner, from which tear the following Stumps:-
White pere 32 mikes in diameter, $537^{\circ} 52^{\prime}$ E, 36.35 ft .
White pine 20 inches in diameter $N 66^{\circ} 9^{\prime} \mathrm{W}$, 44. 85 ft.
No U.S, BITs are recorded for this comer alths one had been Markence Right, $87032^{\prime}$ or 579011 'W, 2635.30 feet to the center of pec. 14 or At a. $132+06.70$
$121+70.00$ Enter Marsh.
$12+0000$ leave the Marsh
125+50,00 Enter Marsh
$129+25,00$ Leave the Tharsh.
$32+06.70$. The center of the section, $a 1 \times 1+20$ inches drift folk driven into the ground at the point for the station, from which fear the following stings =White pine 29'inches in diaineter., $1420^{\circ} 20^{\prime} \mathrm{W}$ : 69. 7.0 feet.' white oak 19 inches in diameter, $564^{\circ} 50^{\prime} E_{y}$, 60.40 feet. ThenceLeft $8^{\circ} 3^{\circ}$, or $54^{\circ} 5-2^{\prime} E$, 2575:70 feet to an angle point or Sta. 157+82.70 154+10.00 Enter March.
$15+5500$ Secco the mare
$152+8240$ The angle point, a 1 th x 20 inches drift tool driven into the ifoacned at the pointitnom which Lear the plowing Bit:-
ged Auk 12 inches in diameter, $N 350-5 \omega_{1} 79 \neq 0$ feet,
purple 10 inches in diametri, s to $101^{\prime}=4675$ gent

$162+6.28$. The angle point, a wood hut at the point, RAnce-
 17o+31.60 Ane angle joint; a ward hut af the rink - Venice....
 $173+5130$ Ind angle point, a wood hut if the point.- Ethene-
 Left 820,2 or $56033^{\prime} E_{y} 132,80$ fit, to an angle print or sta 177+97,30 The angle point, a wood hus ak the point s- - I hence...
$\qquad$
 $181+3 l .30$ The angle point, a wood hub at the point. Thence - -
 $185+01.10$ The angle point a wool hub ah the porch - Akene,
 $197+0$ Tie The angle point, a wood hut at the point. I A ever, -
 $20+0870$ Abterech line hetiven peace $22423,15-8,0$ feck thoth $7 / 1 / 5$ ( 1 ) coiner, 20.3t-05.00 Enter Marat
$255+05.00$ Leave the Pharaoh.
20.65100 the angle point, 6 wood hut at the point, thence:-

Left $23016^{\prime}$ or $539^{\circ} 34^{\prime} W, 1335,00$ Lect, to an angle pointion Attain $219+8600$. $219+56.00$ The Angle point, a wood hub kt the point- FheviceLeft $19^{\circ} 51^{\prime}$ or $S 19^{\circ}+3^{\prime} W$ 4 46.40 Lect, to an angle paint, oi Sta. $227+3240$. $224+32.40$ The angle posit, a word hut et the point - Nave- .
 $232+8740$ the angle posit, $a$ wood hist $a t$ the prick, Hence--
 $236+10.00$ Enter Marsh
$236+6000$ Leave the marsh
244+10.40. The angle point; a wood Rut af the jooinh... Thence.... Left $21046^{\prime}$ or 14016 ' 124.00 fecit, to an angle point or station $248+34.40$
 s. Right foo or $525^{\circ} 44^{\prime} W, 476,70$ feet to an anglepoint or Ate $253+1110$. 23-3t1118. The angle pointipowiad hut at the point... Thence--
 g 5-5 +55.00 Enter 7 Marsh

Leave the marsh.
$\qquad$

 $262 \times 00000$ Enterznaroh $262+6000$ leave the sard

Survey-Record-295
PLAT

TWP. 141 RG. 27-SECTIONS 7 \& 18
TWP. 141 RG. 28-SEC'S $11-12-13-14-22-23-27-34$


295-CONT.
$266+35.00$ Enter Phareh.
$267+50.00$ Seaue the Tharch.
268+73.50. The angle print, 5.43056 al theb at the point. - Hhevee.

$271+5250$ The angle powit a wod hioid ait the point - ShenceLefha581, or 5. $807510,153.40$ fect, to an angle point, or sitation $279+07.90$.
279+07.90. The aingle paint wa wod hut at the point - - Thence. -

 R. $11^{\circ} 3$ or 5 S90 $90, E, 555.60$ ft. to an anqle point on Sta. $295+43.00$. $295+43.00$ The angle poict a word hut afthe point, Therve- P. 320.23 on 5,2305 W, 880.40 ith to an angle piocict or otation 30.4+23.50, at the intersection with line fetween secs. 27.4.34.
303+40.00 Enter Tharah.
p04 +23.50 The angle poinctio wood thet at the point, FhenceLeft $107^{\circ}$ 2. 9583001 E, fetween Reco $27934,483,70$ fat, to an angle point inthe center of an abandoned iailroad grade or station 309+06.80.
$306+90.00$ LEAVE THE MARSIZ-
$307+26.50$ The $V 16$ sec. Covner as establivhe thy Rtate Crvicer.
\$09+0.6.80 The angle porictiow wood hict at the porint. - Thence.
R. $102^{\circ}+6$ on $518043^{\prime \prime} W, 600100$ fect, to an angle point or Retetion $315+06.80$.

315+06.80 The angle poinhtiriwood hut at the porict.- Thenee-
Leff $8^{\circ} 9$ on 510034 'W, 1000.00 fect to an angle point, or Atation 330+06.80.
$330+0680$ the angle point ${ }^{2}{ }^{2} 20$ spike at the angle point.- Shence.-
Left 206 on $570381 W_{1} 253.20$ fect, to an angle porint or station $332+60.00$. $332+6000$ The angle point, at the intercection with $\qquad$ otrect, Aongrick, a wood hut on the exstiedge of an eveavation.
"Kego C.r." Suivey tegim April 231914,

$$
\frac{10031}{10002}
$$ Survey finished oray 26,191* $* * * * * * * *$

Lurveyois Certificite.
习, Aro. O. Thiddleton, a Rurveyon, Lewby cortify that o oumacyed The center line of the road deccibed in the accompanying fied ioter and that. the directions and distunces returned therein are correct to the Lest of Thy thowbedge and felief: Alos that bhe accompanying peat is drawn therefrom dend is atrue representation of the bail eenter live.
hluted this 1 st day of Reptembir. 1914. Reciorded bec - $2-16$

Sas. O. Middleton Hurwajar.

Gohi Tr. Cura, County Hevreyor.
Caro County Dhinesta.

## TWP 137－RG．30－SEC＇s 1－2－4－5－8－9－11×12 TWP 138－RG．30－SEC＇S 32－33

Field Notes of the survey and the establishment of corners and the finding of marks to identify，establish And hoed u，S．Corners to teetions1，2， $4,5,8,9,11+12$, Lip． 131 ，
 try A．NF．Thoulster，Deputy County Surveyor，Cuss County thinnesota

Thonday Auquat 28，1911．A．No Ykoulster transitonan，franck Steen，flag and chain，foku Crosman－Auemai；，Sac Narnusi＂going along＂between．
 Z．S．Notes call for post and the folevoing，fearing trees：
fuck Pine 10 inch， $537^{\circ} \mathrm{E}, 23$ link $=10.18$ It．
Hack Pine 14 inch，$N 24^{\circ} \mathrm{W}, 29$ links $=19,14$ ft．
flack pine 5 inch， $562^{\circ} \mathrm{W}, 25$ links $=16.50 \mathrm{ft}$ ．
Nor，Vine 10 inch，$N 38^{\circ} \mathrm{E}, 30$ list $=19.80$ ．ft．
set corner from NW and NE．B，T．Tree by Measurement；oed 3 ．T．then stand as follow：＇ W．Pine 14 mich bears $N 41031^{\prime}$ E 19.80 ft $\%$
stump of old 10 mich J．Pine faro $N 38^{\circ} 30^{\prime} W, 19.14 \mathrm{ft}$ Vair． $10 \%$ ．The sF and sw trees are gone．Setting on corxér run N10＂1 var．Second．Claro chaining：Aet 10 feet． leave highland：At 200 gin：At 300 enter meadour：At 950 leave thexdow：
 tanto of rives．（ $E+W$ ）General direction NW and $5 E$ ．At 1450 enter river：At 1515 leaveriver；enter tag alders；Af 900 enter meadows：At 2500 leave nexidour： at 25.98 set hut：At 2640 ChiN．No traceing $1 / 4$ coiner bet secs． $1+2$ ，thee in line，

 Finks $=4.62 \mathrm{ft}$ ．All are gone and we continue North．At 2945.60 Ret hut：At 3600 N swjo to the east：At 4096.70 N set hut；At 5200 N set pin ：Var．reado 9030． at 5311 ft ．N the NW car of sec ．1，being the Comer to secs，1，2，35 $\$ 36$ ，on line bet town F 3 and $138, \operatorname{Rg} 30$ ，sett $W 15.78$ th we find an ion in s wheel track of wagon．road which． pros set ty curb from old Snit bearing trees．SE B．T．Stump and stublying near：Us． Notes call you post and：住l Pinery inch，$N 15^{\circ} \mathrm{F}, 10$ lin hes．
 Herduy august 29，1914 At SE Corner of sec，5，being Corner to sect $4,5,8,9,7137$ 30， Frit notes call for poet and following Nearing trees－
 Th．Five 10 inch $S, 15^{\circ} E, 36$ lints $=23.76 \mathrm{ft}$ ，$\because$ D．Dire 18 inch $S, 60^{\circ} \mathrm{W}, 37$ hicks $=24.42 \mathrm{ft}$ ． Same crus，livery team；$\$ 3.0$ Prove to Devampline．Went to this Coiner and set coiner thy proportionate measurement from bed hearing thees except the sw one which is gone．Ale bo．T．S．down and tad by burned．Could not see marks，bit trees are alk right size，kind and stand about right，plages are plain．Set $31 / 5 \times 31 / 2 \times 24$ inches． Winch stake， 6 inches above ground for the true corner to secs．4，5，8，9，1，137，ky，30， with new hearings as follows：
Dat Tinct， $527^{\circ} 7^{\prime} E, 33,80 \mathrm{ft}$ Dir． 7 inch，$N 33^{\circ} 34^{\prime} E$ ， 35.60 ft ，to tack head atg＇rar．We fink an oed stake 10 feet $S$ of mine，this is good eirdence that our cover is correct．Tun North bet secs ．4i5， $9^{\circ} \mathrm{Var}$ ．At 10 ft ．enter tog alders at 250 ft．leave same．At 600 ft． N set hub：At 1261.70 ft N ret hut：
ah 1299.50 ft N wire fence eash and west: at 1700 fth enter diy meadow:
 For te: cot post and foecouring bearing thees:
 yuidneeday auquit 30,1911 same erew and ete.
 to The sc a tree, ale marki plim: Thom there tho weset a seake hy meducurement old beaining trees then stand:

 thy mieanument and coruises from the wh hearing thee the cource from the see Thaing tree then checkel af govar. This shows that the evith curveyors made a

 var readi $8^{\circ}+0^{\prime}$ Af 2271 fheveinter of main rad tho NW and SE: At 2380 enter Low laid, wiand se, af $2=0$ et pin: At the NE cov of sec $5=$ w w car of reec 1 ,
 Lo "C"stake and foelowing Luning ticer;

Tamploinch, NIOE, $572=$ Ch $=357272 \mathrm{fh}$
we find a largs turned white zine paimpon tigh orround Thoman say thio
 thee wis cit and tirnted the vivillerp the ptump is thorned outt liaiving
 White tine along the river, new we set the cainer to peop, $5,5,520,30,7131$,
 pind red stimpo which may have dien othin ded BrTs. Noit venow ving Totten tamp/Rinich, N2.E, 362.00 ft









 for "R to $C$ at $5^{\prime \prime}$ poch and foullourin heirisi trus.




 From the hivit se the stumpot the oel sE tewring orce. Curo. Friday Rubi quil Ampe erourtand ete-


Corrections North half of Each haundary sec $5,7137-301$ the $1 / 16$ evener veto at. 354.30 N and west 39.50 ft. Proportion the 7 measure. 6 oo set. revet 17.6 feet. 2236 sets west 65.8 feet. SHit h Chain foison $1 / 16$ comer to NE Cov.rec. $5=19.65$ Chains being 1296.90 ft tort Chain Frow $1 / 4$ pout to $N E$ con of sec. 5 is 2616.90 ft . Th. Chain, and $=2685.20$ fir Thy Chain
 South hel of east boundary, sec .5,1,37-30, eorrection-.-600 veto vest 3.06 ff. I/16 corner sets at 1322.2 .5 N and west 6.77 et. Correcting N hag of last toundary of cc. $8,7137-30,700$ veto went 2,30 th. The $1 / 16$ cor. keto S it 1398.65 and west 8 ph. Netting on NE cos. of sects, ruin s tet pecs. $4 \% 5,10 \% 5^{\prime}$ Var. To get print of crossing of road which angle o around riven. At do ftscenter of Pine River: At 2505 highland: At 291.60 set his: We then work at cutting out line around river to otrajghtex road.

Saturday Rept.211911. Dame crew and etc; epecptithet horsinaw is absent. Crew worked in $A, M$. Correction for west boundary pec .1, 137-30-
 $=5221.92$ feet U.S. Chain and $=531$ fth my chain, She govt Chain from.
 In fugiving the Correction of this proportionally 5221, 12 is is 2670 as 5311 is to $x \cdot k=9684.90$ : Therefore 14 col rect $a t 2655$ north and west. Tech. Not checked or set).
$1 / 6$ cor. fec $s w$ cor. and $1 / 4$ cor. on west Ride pec.1, Correction is: 2685 divided by $z=1342.50$ and sets at 1342.50 N and w 3.90 ft 4096.40 veto west $12.48 \cdot 2945460$ sets west 8.70 ft. 1,200 keto W 3. 50 ft.
A.N. Thomerter.

Survey begun Aing.28,1911.
Completed sept. 2, 19\%.
nlepenty County Surveyor.
Competed Sept. $2,19 \mathrm{~F}$.
Recorded here- $\overline{-}-1 /$

## TWP．138．RG．31．SEC＇S．21．22．23．24．25．26．27．28

Field notes of the survey of a wagon road and the establink trent of comers in secs $21,22,23,27,25,26,27 \times 28,7138,1$ ．3．31，working for Bul Moose Fop．as surveyed hyp Roy E Bryant，Deputy County Surveyor． Evilay tray 7，1910．As curs has telephorled C．W．rathe，Chairman thou Brand， Bull More tugs，that 2 an to nun a few road lines for them，we leave camp at 1：30A．M1，with S．W．thanks and team．Keiffel and Esker transit，and s 200 frost Chicago，tel tape belonging to Curs．Arrive at William Kenniei farm o get my dinner and about $10: 30$ ．$M$ ．She Low board sheet at Kenned，when the sEcon sec．24，T138－31，thence 3 miles west along the sec．line bet．Rec－ 2989 $25,23+26,22427$ ，cor of Revs， $21,22,27+28$ ．In PM．We go to the iron Nom－ ument on range line previously established by Cero for the SE Cor．Rec．Is，the rE cor of ser． 25 ，from which we Gun vest $90^{\circ}$ 首ar．E．William Kennie glad and are．William Walquist aye and chain．Bryant－tranist and Chain．At 1617.60 ft ．W set hut on west Ride of meadow．at 1960.90 ft W set hut，double centers．Chain to 2400 W ，rain begin at about 3 PM and we quit foykight Saturday May 8，1915．Continue West．Same Crew． ar 2640 et t hub near $1 / 4$ corner bet secs． 24725 ．Where $u$ w notes call for post and： Spruce inch，$N 56^{\circ} \mathrm{W},+5$ links，whee．Pine 24 inch， $532^{\circ} \mathrm{W}, 90$ link．
all are gone and we continue crest：at 3464.00 set hit double centers：At＜compat＞N 78．60 W ret hut：At 5280 set hub，true cor keto 17550 ft ．At this point being the cor． to secs $23,24,25+26, T, 138, \mathrm{mg}, 30, \mathrm{U}, \mathrm{s}$ ．Notes call for post and：
Tami 8 inch，N5431＇E170 link $=112.20 \mathrm{ft}$.
Tank 8 inch， $5850 \mathrm{E}, 200$ links $=132.00$ ft．
we find the 8 inch tank $585^{\circ}$ F 132.90 gt distance，which checks for course and distance with an old post previously pet try curs for the true cones．quit for dinner and in P．M．correct back as follows：
 Th，to true line：That 3960 W goes 156.60 ft to true $W 1 / 16$ conner bet．pec． 24125 ， tub 3464 w goes 149.50 fth to true line： 3148.20 W goes 153.50 ft 2640 or
 In goes $N 23.00$ ft to trine line：tuft 1320 W goes $N 18.80 \mathrm{fth}$ to the $E / / 16$ cor ．bet Rec 24 and 95 ．From the car to pecs． $23,24,25,926,7138-30$ ，we ruin e $W$ on 90 Var， about $3 / 4$ Mile out line without chaining．Quit for night．Still staying with Jennie．Joy E．Tongant．

Sunday shay 9，1915．We do not work．went to Jenkins． Thonday May 10，1915．Jenkins to Genies on PM．Train．
Tueveray Thy 11,1915 ．Tenne and 2 hotel about $3 / 1$ of a mile in A．M． In．P．M．Thy ant，Kennie，William Walquist，fo tn Walquist and tuns．Jensen worked．Beginning at cor，to secs． $23,24,259,26,7138,9,31$ ，chain vest on transit
hive：at 273 flip at 404.50 wsih h enter Pine geiver：At 295 leave same，which runs sw at 4766 enter Thaverson creek．At 4775 leave creek：$A t 4796$ enter creek NE：at 4810 leave creek：At 5280 set jain：At 5280，30 ft．W the cos．

297-CONTINUED


 We find the 20 inck N Pine from which we Ret the conner port: Dorrecting thack





 hubi At 2640 Ret heet, eut to about 3960 and quit fai might. Atill Atayina With Keninie. Roy EABrigant.
 at 4048.40 Reh huft: $a h 455190$ pet hiet, $A h+615.60$ iet hiet "A" ov lach kide of lake. 2 Cause huk to the set on the w wide of the lake snarked heelk "B"'
 left and rua 77170 ff $x$ o hut "c" over which 2 set transit $k$ ackeight on" $A$ "." tranict telescope, thex timin $60^{\circ}$ to right and ruw NW 111,70 ff intercecting. bur raxidon line ak a poink w of hub "B" zu were hef "B" only to findibur poink of intersection fuch meirurements noh taken to hufs "B", 7615 . 60 added to $777.70=5387.30 \mathrm{ft}$ iw to hieb" ${ }^{\prime \prime \prime}$ over lake. At $538 \% 30 \mathrm{~W}$ the corner to




 pheb 715.20 W goes 7.50 ft At the conner to kecs 21,22,274.28, T13.8-31, U. S.Notes cale froi pook and: Jamk $A$ inch, $N, \not \subset T^{\circ} W$, 6 linke, Tamk 6 inch, $N 22^{\circ} E, 13 l k$. Tarite 12 inch, $5.81^{\circ} \mathrm{W}, 35$ links, Tamk 6 inch, $52^{\circ} E 22$ linko.
Founi all tree doun and find popt which ehecks, begininig at the
 140.70 ft Ret hut on top of hill: at 955.50 set hub: At 1320 siset hub: at 2 oo S Ret hut: at 2640 fl $s$ pet hub and quit for might. Stiel otaying. with kennie... Signed Doy E. Buyant.

Fiiday May 14,1915. Raived.
Satoirday Thay 15,1915. Painel
Sunday may 16,1915... Rainel.
Thonday Thay 17,1915:- Tryont and Kennic woik all day. Carrecting lives as givent above, betwoex seci $24 \times 25$ and bet peci $13 \% 26$. Tru E. gryant. Tiesday Thay 18 , 'r ' Um Kennie and 2 correch balance of blive as geven above. Kennie uses his tearn : $\because$ R.E:Vryant:

 Countes. Survejed thay 7-1915 to ydy 19,1915. Poy E. Mryanh Mecorded - veci-9-16.

County Survesone

## PLAt.

TWP. 138. RG. 31. SEC'S 21.22.23.24.25.26.27.28. Scale: 2 -inches $=1$ mile



名

TWP $138 \mathrm{~N} . \mathrm{PG} .30 \mathrm{~W} .5^{\text {TH PPM }}$
SEC's. 1-5-6-7-8-9-12-13-14-15-16-17-18-22-23
TWP. $139 \mathrm{~N} . R G .30 \mathrm{~W} .5^{\text {TH P MM. SEC'S } 32 .}$
TWP. 138 N.RG. $29 \mathrm{~W} .5^{\text {TH PM. }}$.
SEC'S.5-6-7-8-15-16-18-21-22.
Filed notes of the Ruraey
Filed notes of the survey f finer and the extablidiment of wood ir ion corners, and the search for old U.S. hearing trees or the extols lishment of new bearing tree in sections $1,5,6,78,9,12,1517,15,16,17$ $18, \quad 22,23, \quad 26,27$, Township 138 N, Range $30, W$, and ecetion 32 ,
township 139 N . Range 30 W, and sections $5,6,7,8,15,16,18$,
 by. john W. Curs, County Rurneyou and buy M.A. Kemp, Deputy. They 12 th, 1913 . Thonday. 2 am Working far rene Rives Fowonship in the purvey of new wagon roads and the Retting of iron and wo och section
 meet me with a lean nut w not here: 2 take dinner with pout
 Thllen and auto to run me out to toy Blackbourno farm for which Thiller will charge to Sown \$1.00.
Wlackbourn goes to pine Riven and gits iron monuments, a pack of cement and we drive to conner to sections $14,15,27,23,7,138 \mathrm{~N}$ Range 30 N , Where uss. notes call for a post and the following fearing trees:
Black Mine 7 inch, $N 48^{\circ} 30^{\circ} \mathrm{E} 19$ link e $=12.54 \mathrm{ft}$
black pine 8 inch, $N 57^{\circ} \mathrm{W} 35$ links $=23.10 \mathrm{ft}$.
Black pine 6 inch, $548^{\circ} \mathrm{W} 24$ links $=15.87 \mathrm{ft}$
Black Mine 8 inch, $554^{\circ}$ E35 link $=21.78 \mathrm{ft}$
Tue find the stump of the NW and SE trees plainly marked which check out perfect the true cover a $21 / 2$ inch gie 10.T marks at 63.5 Var. From which we set for galvanized iron cap on top and a 12 inch iron $1 /$ inch rod run thin a $a$ inch in the bottom to act as anchor rod, set in a bed of concrete for the true col to pecs $14,15,22+23,7,138, \mathrm{ky} \cdot 30$, top of iron flush with rod. I once set the cor. You Fred saxhorn when all of the oed bearing terces were here fist nor the sw tree is gone and the pulled out stump of the NE tree has been hauled NE of the road. Ane of tiny oed 73 . T. stumps is still here, and being a 7 inch tack pine stump hetaro $563^{\circ} 28^{\prime} \mathrm{W}, 20.98 \mathrm{ft}$. to oed tack head. we beage new bearing trees as follow:
G. Pine tree 10 mich, $5+1^{\circ} 25^{\prime} W_{1} 47.17 \mathrm{fh}$ to rail head.
I. Pine tree 8 inch, $556^{\circ} 28^{\prime} E, 60,59$ ff to nail head in bake of long spot at $6^{\circ} 35^{\prime}$ Var. Catt conner he h sec. 14923, T.138-30 u. S. noted pall fou: ... (K. to w at 2).. Bl. Pine 9 inch, $126^{\circ} 3 \sigma^{\prime} \mathrm{W} 26$ links $=17.16$ ff

Fl. Pine 4 inch $S 19^{\circ} \mathrm{E}, 52$ links $=37_{1} 32 \mathrm{ft}$
we find the tall etampo of the NN bree standing wee marked and the stump of the SE tree plainly Marked from which we set a tut and tack in the Center of the ExW graded wagon road for the temp $1 / t$ Cor. Sr proppotionate Meaxccrement. Distance being about $1 / 2$ a foot short, bet. NW and $s E$ old tres, 17.16 and 37.32 fth is 57.48 ft. total Un Chain and is 50.94 ft My Chain Via Courses at $7^{\circ}$ Mar., being 0.54 of a foot short and frow a tack in our temp.
$1 / 4$ hub one old B.T. He ais $126.30^{\prime} \mathrm{W}, 16.80 \mathrm{ft}$ And the other old 73 . T. hears $519^{\circ} \mathrm{F} 34$. $1 / 4$ hut one old 13. T. he ais $126^{\circ} 30^{\prime} \mathrm{W}, 16.80$ ft and the other old 23.7 . bears $519^{\circ} \mathrm{E}=341 \mathrm{~A}$ ft. to face of oed s. T. marks. At $7^{\circ} \mathrm{Var}$. showing that our hut is to far $N$ and

 2vagon road here runs on about $11^{\circ}$ Vav. Joy 7 bachbourn and team II day
in P.M one day forme. Aver night with Malackbour. Loki N. Curd. in P.M one day forme. Aver night with geackboun. John W. Cero. Thay 13,1913. Tuesday, Pine Rues Thinnerota on range line, Twp. 138-294 30, $N$ tet secs. 13918 . Beginning at an iron monument at the SE Corner of
 24, un $N$ on $7^{\circ} 40^{\prime} \mathrm{Vav}$. At 300 th set the: Var. Changes to $7^{\prime \prime} 50^{\prime}$ : Let $600 \times 900$ +1200 set hub: At 1320 ft. Ret huh fou temp. 1/16 cor. s bet. $13 \times 18$, Var. Change: to $7^{\circ}+5^{\prime \prime}$ : At 1500 ft. 41800 ft 42100 ph. N set tet: Var still reads $7^{\circ} \neq 5^{\prime} E$ i At $2400 \mathrm{ft}+2700 \mathrm{ft}$ set hut: At 2700 hist in small $\log$ where we look fou $1 / \mathrm{x}$ cor. bet secs. 15418 , where $u . s$. Notes call for pout and:
N. Pine 20 inch, $N 510 W, 240$ links (only one).

The $1 / t \mathrm{cor}$ : is gone and we continue bransit hive $N$. At $3000 \mathrm{ft} 3300 \mathrm{ft}, \mathrm{N}$, o at 3400 fth. Net tubs: Var still reads $775^{\prime \prime} E$. At 3600 ft. $N, 3900$ ft iv, at 4200 ft. $N$, at 4500 th. set hut: Var still reads $7^{\circ} \neq 5^{\prime} E$.
At 4800 ,5100 yt. Nett hut; At 5300 set stake: At 5310 ph. N (rough chain) eon to secs $7,12,13+18$, bet. top. 138-29 +30 bears E15.50 fth. At this point U.S. notes call for poos and:
Nouvay Pine 12 wish, $170^{\circ} 30^{\prime} E, 147$ links $=97.02$ feet.
Norway pine 17 inch, $519^{\circ} 30^{\circ} E, 173$ links $=114.18$ feet. (only two) we find the 3 foot stump of the SE tree and the tall pleb of the NE tree plaid marked from which we set the cor buy flat chain from face of the old B. T. Mark. ankh set $21 / 2$ by 48 inch galvanized iron pipe, Capped on top with rod three bottom for anchor and set its full length in the ground in a Led of concrete after Which the oed U. s. trees bears SE 11.18 .18 ft and NE 97.02 ft . Someone Lad set an beak stake to this Corner, fut it was 0.40 off a foot $s$ and 0.10 off a foot tor fou East this iron' is the true cor to secs $7,12,13418,7.138$, between ranges 29 and 30 , Figuring the correction for the mile of lines, The b 5310 goes E 15.50 ft Hub 5100 goes $E 14.88$ fth: Fut 4800 goes $E 14.00$ ft: 4500 goes E 13.14 fl. 42.00 gook
 goes $E 9.63$ th: 3000 goes $E 8.7$ th: 2700 goes $E 7.88$ th: 2400 goes $E 7.00$ ft: 2100 goes E6.13 ft: 1800 gees E 5.2,5 th: 1500 goes E'4. 38 ft: 1320 goes E 3.85 ft: 1200
 we drive a mile $N$ to the cor. of secs. $1,6,7,712$ on My. line, T.138, N. bet Res. 29430 W, where vhs. Notes call for a post and:
gl. Pine 9 inch, $N 3 \xi^{\circ} E, 42$ linter $=27.72 \mathrm{ft}$ : Bl opine 6 inch, $N 46^{\circ} \mathrm{W}_{1} 12 \mathrm{lte}=7.92 \mathrm{ft}$.
 we find alefow bearing thee standing plainly marked firm which wo pet the true cor by jerjpartionate chain from face of B.T figurer, wee find the distance from NE to SW d 7.72 fth added to $8.58 f h=36$. 30 fl u. s. chain and is 36.60 ft my chain or 0.30 of a foot longer than u. S. Chain. The distance bet. the SE and NW tree is 1.50 ft oho rt. $422 . \mathrm{ft}$ added to $192 \mathrm{ft}=52.14 \mathrm{ft}$ u. s. Chain 'and is $50.6 x$ ft my chain or 15 oft shout., By proportionate of the four distances the distance to the oed B.T. are as follow;

 as this corner is in a ravine and is to mart the center of a neo yoropoced Lop. wagon road running two miles sand 12 mile Es anil as there is a big hill just SAnd anotheitig Lie just $E$ of this concern, 2 decide to leave the Cor petting as high as 2 can so that when the hill arequaded downiest will not te covered up in the file. We dig a trench one foot dep and 4 ft long by one toot vide into whether pet our irvin moment then fill the trenches concrete. The iron monument is galvanized iron pipe $2 V_{2}$ inch check with inch cap on top and ion anchor rid three bottom dud is 4 ft long. Ret in a fed of cement and sand, pets 1 foot in the giovind, around which we herp a large mound of dirt 3 ft high, Covering the iron stake clear to the top. This mark e the true
 and Cur o Chain ty 4 . transit, 100 foot monarack tel tape, pant thine, and Ed. Harmon, axemex whachhurn team. Qnernighturth lackboun. john Ni f fino. Wednesday May 14, iq, John W Euro, transit and Chain. fame Boy blactouin Chain Elmer N. File with Love and rig, Axemen. Arthur even amman thelert rightly transit, perfect line, double center hubs, 100 ft Monaraich steel tape, Chaining the simile roughly (within one on tho fut)'
Beginning at ion coiner to sec, $1,12,13 \times 18$, Fop 138 , de $29 \times 30$, run $N$ on range lime $7^{\circ}$ var. E: ALakout 1200 ft $N^{\prime}$ former County Surveyor Canfield hes marked "1/8" on a 12 inch fuck pine which stands E of the line. This show that if Canfield er vet a $1 / 16$ cor ak this point hi mede a mistake in correcting his line and got the lib about 100 feet to Pars. We continue $N$ At 1300 set tub and tack: at. 265 N a stake pet big canfield for the $1 / 4$ conner sets W about 2 rods. at this $1 / 4$ cor tet secs land $12,7 r a n k$ Rhine pay that Le and Canfield coned not locate the $1 / 4$ con from the oed uss, bearing tree ar they were gone, but that canfield found an old log witt the timber scribe marks on it, and as they could not tell where the log hid erne from, Canfield ked to nun the whole mile and establish the $1 / 4$ cor $1 / 2$ way bet and in line with the Rec. cons, No we continue $N$ : At 3100 pet hut and tack: At 3900 pet hut and tack: To avoid running in to heaving green Ii sine, we offset 50 ft $w$ and fackright at a flag pet 50 feet $w$ of 3 io 0 and Continue on cut. out, right of way. At 5000 kelt stake at soto pet hut and tack on top of hill, thence don steuphile: At $5304 \mathrm{ft} . \mathrm{N}$ rough Chain (probably: 2 ft off) the iron true cor to secs $1,6,7 \% 12$, Rets $21 / 35 \mathrm{ft}$ Correcting hack: Huts so goes E 22.78 fth: 3900 goes W 21.07: 3100.goen W16. 74: 1300 grew For fha Io mark the trine range line and road center we pet transit on corrected hub o 1300 and tarn telroscape on trice iron cor $s$ ane dive a row of $3 \times 2+$ ind Tamarac ra al enter hub every 200 to 300 ft, then turn

telencope on convected hut on $3 i 00 \mathrm{~N}$ and diife a vow of $3+27$ inch dry taimarac tuts
 them telweope on convected hut 3100 v and from there v to the con of revs 116,7 1212, drive a inv of $3 \times 24^{\prime \prime}$ dy tamarack huts every 200 to 500 th we do not chain this mile with a plumb to f nor put in any 116 cor or $1 /$ cons. At a point about 2650 fin an old stake sets i. This red stake hesprobatly Lien moved from where it was once ret by the surveyor.

 (It may te that the iron monument over whin the transit sect in starting
 ground: At 496:88 refthet and tack; thence down hie: At rib ret retake at foot kiel, thence up slow: At $966 i 80$ set hut: At 1000 set stake; thence downs slope and up shay til and; At 1706.20 divine $z$ tack o in green 2. Tine pump for dowable center gut and on account of a rain whee pacts
 phebe center tut ales perfect yeumb tob chaining, by Euro and blacktours. 100 ft Thariarach steel tape. This rand yecticon calls for a road to the $1 / 7$ con: tet sics 67 7, T. $138-29$, and as the oed 1 .Ts' at the IF con are loot we wee have to run the whole mike 5 to extablide the $/ t$ con, es ie do it correct. Ale get in que day. Gent for right tile with hove drive", Beacktoum home duinsthid. Over night with Dlackboume a, Thu - tuinalec ow s the sw quarter of sw quarter of sec. 6 , and NW $1 / \mathrm{A}$ of $N W 1 /$ cen. $7,7.135-29$. Sere L. Tine timber. timbal is a lumberman Hhd fought this for the irvine they say he wee not sell. John N. Cero. Thursday hay $15,913.2$ an working Par pine Diver temp. it rained ale last right ant ale of this morning, and from 9 to 10 A.M. Rowed Lard. O foul range line corrections del A.M. Quit raining and snowing about 10:30A.M. Doing Blacktocorn drives to pine Riven in PM, and 3 telephone home to tracker on a reverse charge and find tarry s. Tod is at Tracker. Toy tiacktadrn and tain work ale pl l. with me setting iron monument.. Tee drive to the con of secs $22,23,26 \times 27, \pi 13$. x. 30 ., where $\pi$ s. notes call for poet and:
 Bl. Pine 5 inch, $s 64^{\circ} \mathrm{W}, 15$ links $=9.90$ feet: MOl. PRiv. 7 inch, $573^{\circ}$ E, 3 link $=1.98$ feet We find the tall well marked stumps of the NE and si v tree standing plainly marked from which we set the true cor. hay flat chain to jack Pf the figures and pets in a bed if concrete a $21 / 2 x+8$ inch galvanigal iron pipe with capon top and anchor rod thru bottom ret ito Yule length in the ground for the true con to sect 22, 23, 26927, T138, cog. 30 , at which paint a newly cleared and plowed twp. road runs $1 / 2$ mile west anil $1 / 2$ mile $E$. We drive to the $1 / 4$ cor bet sees $22 \times 27,7.135-30$, where 24.5 . Hitter call for gosh and:
 we find the NW Noway 73. T. standing green and plainly marked from which we set the true $1 / 4$ cor. at $8^{\circ}$ Var. from face of oed 8.7 murks and set a $2 y_{2} \times 48^{\prime \prime}$ gelvanigud iron monument having a cap on topalad iron anchoit
rod thru totem set its full length in the ground in a bed of con－ Crete for the true $1 / 4$ cor．between secs． $224271.1 .138, \mathrm{dg} .30$.
F once set a wood stake for this $1 /$ corner from Goth ocd B3．Ts but to－day shy old stake and the sw B．Ti is gone．gout my iron monument back in the Name place where 2 once self the wood stake．I he red fence running
swhick once lined up with my wood stake still hines sp with shy nell which once lined up with my wood stake still hines up with shy ne lv iron stake just set．H．S．（＂Sciedd＂）Rice and I walk to my old stake at 1／s Cor．
on N．side of sec．22，138－30，and to mu y old hub in center ff sec．22， 1.138 d． 30
 Where $\ln$ Nay pet irons．Oven night Grith Blackbourn．ton N．Curd．

Friday May 16，1913．Still working Lair Pine River twp．Cero transit－ Tran．I．+13 ．transit．double center Ribs．Toy plackbowrn and Curochainin
 No sw．Comer of sec． $6, T .138,0 y \cdot 29$ ，continue $E$ Let pes． 6 o $\%$ perfect transit line Else N．til and Arthur provn－Axemen：At 1364，50 tack in f．Pine．At ump： St 1400 E D take $i$ At 1406.20 Etack in Wees．of a double d．Tine stump．Var． reads 7040 E：At 1500 pethut：Ah 16．61E center of old now，being sand lake． wagon road bears NE \＆SW：At 1900 Ret hut，enter plowed field 2 sigh $s$ of N in Qr．：Ah 2200．Esctrub：At 2300 E set hub in field：At 2500 E set tet． in field 20 ft．$s$ of $N$ boundary：At 2560 leave field：At 2739.66 logic for the $1 / 4$ corner bet secs． $6 \not 11,1.138-29$ ，where 24.5 ．Notes call for poet and：
 All are gone and we continue East At 2800 E set hut！At 2873 new vice fence nuns N．TS：At 2930 Ret hut，Var．reads $7^{\circ} 2^{\circ}$＇E：At 3000 pet stake ：At 3300 Ret stake：At 3408 tack in N．P stump：at 3500 sep pin：At 3700 Ret stake：At 3800 set hut：At 7000 Ret stake i At 4200 Ret hub：Ah 7300 set hub in old Lake tattie Road，hears Nos，At $43.20 E$ fence bears $N \neq S$ ．At 4400 set stake！At 4500 set hut on side hill：Af 4600 Ret stake：At 4700 Ret．stake，entermeadoiv：At 4800 stake ix edge of bog，thence along edge i of march and，At 512．0． 94 Ret tack ix log：Ah 520 Ret hut on solid point of meadow coning upfront the South： And 5500， 45600 ret stake in meadow：At 5628 set hut ：At 56.60 enter Thud lake which hrs．NW GSE．The lake is to deep to chain across ko 2 get distance across lake as follows：with transit athub 5628 which g make phis．＂＂2 backsight on flag at hub 4200 and cause hub＂$B$＂to be pet on solid pound on $E$ side of lake，then turn angle to the right and set hue＂e＂．GLen kiel transit set on hub＂$\beta^{\prime \prime}$ backsight on hut＂A＂，turn $90^{\circ}$ angle to the left and rum $s$ to an intersection with the live bet hub＂A＂and＂＂ 0 ＂and find the bistance of intersection to be 58.01 ff．Distance bet．Lib＂$A$＂and＂$B$＂is 5．77．75 ff：added to $5628=620.5 .78$ to hub＂B＂over lake．At about 15 o feet $E$ of waters edge．Thuf＂保＂is in meadow：At about 6198 ft $E$ an old stake set bin $\operatorname{rr}$ At valet sets $N$ about 45 fth but this stake is wrong．At 5379.66 fth．E U．S．Notes Call for the corner to sees 5，6，7，8，1．138，pg－29， writ w．e．east 1222 link from which
 U．S．Note ale o call for ，W．C．S Solinko from which．

we ids not find either of the old W.C or fearing trees and continue $E$ in tamp revamp: Af 6208 io theft in meadow :i at 623.5 .07 tack in $N$ roof of 10 inch tamarack stump. Continue E, pet tack in poplar plump, leave meadorvAt.618.6.12. the tempe Wee is gone. Over night w with whack bairn john IN Curb. They 17,1913. G vel have M.A. Kemp, heepnty County purveyor finch balance of the Rurver. M.A Kemp e goon yon walker to Yhiedied to finish the above
 Fieped me. We walked $N$ along the Railvaid to hill on new road which parallels the $M X I$ track in sec $21, T / 3,0 y-30$, and run the following levels slating at satiation $00+00,83$ ft. Fin center line of Rep track and about goo
 levels and quit for night
Than 2 7, 1913 M. A Hemp with EN Til and team drive to the hill on i rood about $1 / 4$ mile $N$ of $1 / 4$ cor on $n$ rest pile of sec $6, T 138, \operatorname{tg} 30$, we set station 1, s of hie and ruin levels Ni 15 ff s of $1 / \mathrm{coiner}$ on highest point of large rock we mark tench mark no l; Elev 10000 as iumed. MiA Kemp.
TRay 28,1913 Kemp and Hill set grade Stake on the 2 hills near Mildred and wacke Thay $2,9,1913$ Fhureday Fermi and till dive to the $1 /$ earner on the resperivelyof sec. $5, T 138, \lg 30$, thing the $1 /$ conner on the $s$ tide of sec. $32, T 139$, oi 30 , Where usinbte cell for a jo oct and the foccoving hearing trees:
ye l Pine 10 inch, $N \neq 5^{\circ} E, 33$ links $=2178$ ff t
Be Mine 7 inch, $58^{\circ} E, 22$ links $=1452$ ft
wefind a $2 \times 2$ hut polidly driven, bet by y cire and also the following bearing tres marked thy cero, on which we take hearings at $8^{\circ} 30$ Var, as foleove:
 be -pull up the hist and putin i ito peace a $2 \times 48^{\prime \prime \prime}$ inonypipe with cape on tope and set in concrete for the true $1 /$ conner to pecs $5-2.3,7138 \times 139, N$, R. 30 N. Thomas francis and carl prow apemen Kempetransit and chain
 tach: at 2152.60 s set heb and tach on hill: At 2613.60 hist and ta and in hollaiv: At 327420 hut on hill: $A$ A 3603 so hubiand tack: $A+500$ hut: $A \% 5000$ enter bog; at 5280 hub in sivamp; Airing the temp. $1 / 4$ Conner bet sics 5 and $8,7138, \mathrm{Rg} 30$, where use sinotw exile for pooch and:-
 the horst foe the bearing trees way across the pwampe and after cutting 6": into a treen find the vel e mask in jolainly visible. we wet the corner buy flat yheawument after which the thee stand as follow: $1^{\circ} \mathrm{van}$
 - ofiday Thy 30,19人s Same crew we eek a $218 x^{\prime \prime}$ ir mon monument set in a good hhd of concrete and the whole well filled with sand, bought in From the edge



SURVEY-RECORD-298
Plat
Twn. 138-RG.29.-SEC's 5-6-7-8-15-16-18-21-22
Scale $2 \frac{1}{2}$ inches $=1$-mile


 hubs and tall stake marked "Road center". Set over iron monument at iss Comer beth sea. $5 \times 8$ rus west on $8^{\circ} 70^{\prime V} \mathrm{Var}$. At 350 leave opentog: At 800 Cross M+IR.t. At 1282.15 set hut: At 2210.20 set hubs: At 2620.50 the cor. to sees $5,6,7,8,7.138, \mathrm{eg} .30$, set by curs, bears N 5.50 ft Tue peel up old stake and pout in its place a Ex+8" iron pigs in ked of cement for the true corner. Correcting tach this 12 mile, THu 2210.20 W goes $N 7.67$ th: where we set hub and tall stake marked "Road center". At 1310. 25 w uk N:2.75 ft, where we set $a$ hub and tack for W $1 / 10$ conner tet. sees 598 , and ales set tall stake marked" Road Center". All this work double centers". olumblof.
Saturday May 31,1913. Fine and hot temp and Christ Arbogash ait
 Racksight on hub $N$ an tue $N+s$ center line of sec :5, transit the telescope and run s.thrue center of sec. 8, dowble centers and plumbitoid. At 7050
 fence; leave sivarup: At 1569S tack in stump: "at 22065 tack in log: and tack: At 4110 S, NW and SE road: Ah 7796.50 si set Lied and tack: et 5280 s set hut and tack you temporary $1 / 4$ car: Let secs 8417,7138, eg. 30, where U.S. notes call for poostand:
Thl-Line $9^{\prime \prime} N 40^{\circ} \mathrm{W}, 35 \mathrm{lks}=23.10 \mathrm{fh}:$ N.P.18", S $19^{\circ} \mathrm{E}, 77 \mathrm{lks}=31.02$ feet. we hunted thoroughly in all directions but found nothing. Grit for Might. N.A.Kemp Thanday tune 2,1913. Cloudy. Chris. Arbogast and sarnkardt Cit buck. 9 set our e temporary $1 / 7$ cor. Let secs $8 y 17,7138-30$, and run zest on 9 "Labe. and set two stakes in line, which the two men follow, culling, quest Nearly. $1 / 2$ mile. At the Cor. to secs $7,8,1718,7138, \mathrm{~kg}$. 30 . Soot voter cake for pooch and";
Ni Fine, $18^{\prime \prime} N 54^{\circ} \mathrm{E}, 47$ links $=29.04$ feet: N Pine $20^{\prime \prime} 566^{\circ} \mathrm{E}, 28$ links $=18.48$ feet. W. Pine, $20^{\prime \prime} \mathrm{N} 57^{\circ} \mathrm{W}, 19$ linter $=12.54$ feet: $N$ Hence, $10^{\prime \prime} 568^{\circ} \mathrm{W}, 18$ linker $=11.88^{\circ}$ feet. - find the stumps of all four fearing trees: The we one thing yelainly marked, as 9 could not git a cru b to work un the afternoon, after g find the B.T.s. 9 walk tack to Backers, where 9 hive super. M. A. Kompe. June 10,1913. Down to Pine Diver on the train, reaching there at 2 A.M. Put up at Agerie Ratel: E.N. Til drives Me to the NW Cor of eec. 21 , being the cor to Rect, $16,17,20421,7138, \mathrm{my}$. 29, Where Kemp and til, $f$. Hoover and police work. Kemp e transit and chain: Fill chain. Double center hubs and plumb fob Set veer iron monument At NW Cornier of Rec.21, 2 run $E$ on $7 . V^{\circ}$ Var At 900 set hick and tack: At 1649,80 fh.E set hut and tack on serow of hill: At $2150 \varepsilon$ enter old late fed now dry oed bottom. At 2400 set tut and tack in old fottom: Ah 3050 leave old lake fathom: At 3588.80 set hut and tack: At 44.13.00 set hut and twit: At 5340.80 the cor. to sees $15,16,21922, T 138, \mathrm{Rg}$, 29. Rete $N 70.00 \mathrm{ft}$. Ah this point blois notes call for post and:

 we find the stirps of the SW and SE trees plainly marked from which
we set a $3 \times 3 \times 20$ inch, hut and tack for the true conner thy flat Mheacure-
men after which take following: bearings:


 hut and tack for the last $1 / 16$. Conner bet Rect. $16 \times 21$. Tub 358580 E goo N 4701 f ti
At 2670.70 E run $N 35 \mathrm{ft}$ and set a $3 \times 3 \times 27^{\prime \prime}$ ruchand tack for the true $1 / 4$ corner
 $21.6 / \mathrm{fh}$. At 1335.20 Mun N 17.50 fth and set a $3 \times 3 \times 27^{\prime \prime}$ hut and tack. for the
 these point we set tall stakes marked "rood centers" see line." This line wat run for Road survey. Var. f corrected line read $7^{\circ} \neq 7^{\prime \prime}$. . M. A. Ter

Tune 111913 . Kemp and Roy Blackbourn drive to Pine Deice for cement and
 up the wood hub and put in its place a $2 \times 48^{\prime g} g$ galvanized in on yoipe with cap And Anchor rod set in a bed of concrete, then going to the it cor tet. Rect 16 and 21, T.138, Jg. 29, we pull up the wood hub and yest in its pe lace a 2x48" galvanized won jojee with cap and anchor rod, set in Led of Rand and


 $\begin{aligned} & \text { bet. Them is } 73.70 \mathrm{ft} \text {, Hoist } C h a i n ~ a n d ~\end{aligned}=72.6 o f h$, Thy ehacin, hemin la lo th. long. stand as follow :

At this point we set a ex+8"gabanized ionyoijec with cap and anchor rod set Hhereday fume 12,1913. Fine and hot. M. A. Kemp. Kemp. and Serge Haggard. Temp transit and Chain. Biel. Biel, Anther Brown, 300 ft . Chicago steel tape. 2 sdi Clap. Chain. we drive to the $1 / 7$ cor. Ret. secs. $7+8, T 138, \mathrm{~kg} \cdot 29$, being an iron monument from which we rein $N 8^{\circ} / 5^{\prime}$ Var. very hilly: At 900 Ft. $N$ set hip and tack on hill. Gut 1714.20 set hub and tack At 152o oft. of hie: At 1627 set hut and tack: At 2651.80 W, the cor to secs $5,6,7,8,7,38, \operatorname{cog} \cdot 29$, Rete $w 21.00$ ft., Aet this point So it notes call for W.C. 80 links s with hearing trees as folcouro:
 We find the $S E$ tree plainly marked from which we ret a mall take forthe true W.C. At $8^{\circ} 42^{\prime}$ Var. At $25^{\circ 99} 900 \mathrm{~N}$ this W.C. Rets W 20.6o ft. Var. of the true line is $8^{\circ}+2^{\prime}$. Set over W.C. 9 Mun $N$ on $8^{\circ} 42$ ', 80 linter being 52.80 ft . Where we Ret a hut and locke for the true cone to pecs.5,6,1, 1, 8,
 S $20^{\circ} 30^{\prime} E(r 04 n$ oo feet.) 104.00 feet) Game 8 incl h, $54,30^{\prime} \mathrm{W}, 107.00 \mathrm{ft}$

At 5.3 .6100 .fth. E of the $N W$ corner of sec.?
 govt chain $=5361.00 \mathrm{ft}$. Thy Chain which is. 18.66 ph short is proportionate Measurement wee ret the $/ 1+$ corner bet eco 447 , as follow: QA 2728.92 ft. EMus $N$, 1.01 ft where we Ret a tue f and tack for the true / 4 corner. M.A.Kerupa.

298-CONTINUED
Sine 13, 1913 AM. Kemp, EN til, arthur Brown, working Correcting back

 $N 10.88$ ft and ret a tret and tack for the west $/ 16$ corner bet pecs 607 ,
 tub $23703 E$ goes $N 1.83 \mathrm{ft}$ At the $5 E$ cor of sec 6 , being the cor to Leno, 5,6, 7, 8, 7, 138, Kg. 29, vie pule wipthe wood hut and jut in ito place a $2 x$ 土 $^{\prime \prime}$ galvanized iron yipe, securely tet in cement on piling davies thur eft of med to hard bottom. At the $1 / 4$ corner bet. sec $6 \times 1, T 138, k, 29$, we reich up the hub and tack and jut in it. place a $2 \times 48^{\prime \prime}$ gavianigel iron pope set in a fed of cement This Completes the road Revovey.
In the afternoon tier and ting dive to the $1 / t$ coiner bet recess $22 \neq 23, T$. $38, R y .30$, where sort note call for post and:
G. Vine 9 inch, $580^{\circ} \mathrm{W},-64$ links $=12.27$ feet

We find the stump of this tree plainly marked and a tall stake and tack set by euro, which check perfectly for course and distance'. We Toul up the stake and put in ito place a $2 x \neq 8^{\prime \prime}$ galvanized iron pipe set in a ked of cement setting on hill, g work the transit don line deAl. the NW and the NE Conner to Rec $23, T 138,0 \mathrm{Jg} 30$, and set hubs on truce see line for road centers.
M. A. Kemp

Saturday fine 14,1913 . Kemp and EN: Fie, Chris. Arbogat and Cliff
 at 1500 kethut and tack: At 2261.70 W the corner to secs $7,8,17 \% 18$, sett S. 3.40 ft At thiopoint git notes call for yoioit and:

 we find all four bearing tie ptwipp The NE one being plainly marked: The distance buy coves between the NE and sw trees is 2.08 feet long and the distance bet the SE and NW tree e fin g cowrie is 118 fo long: Proportianating this 2 pet a hichend tack for the rec. Cor after which. Afsiso'var. the old trees stand:
$N$ Nine $N 57^{\circ} E, 30.58 \mathrm{ft}$ : $N$ Tine $560^{\circ} E, 9.18 \mathrm{fth}$
N.Pine $N \sigma^{\circ} W_{1} 130.2$ Chi $N$ Pine s $48^{\circ} \mathrm{W}_{1} 11.42$ feet

Going back to potation o being 5280 ft s we Chain E Let secs 8.17 , At
 point goitnotes call for yo rit and;
Bevin $10 \mathrm{~N}, 633^{\circ} 30^{\circ} E, 67$ links $=42.24 \mathrm{ft}$
He pine $8^{\prime \prime} S_{1}, 62^{\circ} \mathrm{W}, 43$ links $=28.38$ feet
Ph Pine $10^{\prime \prime} N 15^{0} 30^{\prime \prime} \mathrm{W} 31$ link $=20.46 \mathrm{ft}$ :
Bl Pine $10^{\prime \prime} 5 \not 1^{\circ} 30^{\circ} E, 39$ links $=25,7 \&$ ft
Toe find the turned ptempi of the NW, sw and SE trews. The die trance ret the sE and NW tree thing 3.80 fk to long. via Cowrie. Tue set the cor bug proportionate meariorement after which at 80 var old B. T. S. ptandx ax follows: He. Pine s $62^{\circ}$ W, 2840fh: Bl. Pine, $541030^{\prime} \mathrm{E}, 27.85 \mathrm{fh}$

298-CONTINLED
BL Pine $N 15^{\circ} 30^{\circ} W, 22: 13 f f$
Put tack iv in the following news Hearings: S. Pine sump 6 inch, $N 60 \cdot W, 6.55$ fth i f Pine 12 inch, $N 30^{\circ} E, 6.85$ ff
N. Pine otarnp 20 inch, $s 30^{\circ} W_{1} 38.75$ ft

Tune 15, 913 . En morning boy Beackboun and kemp center the chile of rad bet the $1 / 1$ Coiner on the pride of pec. 25 ind the $1 / 2$ conner on the $S$ vide Oo Rec. 25, T. 38, teg.30. Set tranict on high hill aid id vivithit in live bet. Backsight at both /4 cine, then ret hub o and tacks on line the entire mile we then drive to thills for dinner. Stomp; plackbourx acid. Tile, after dinner center she road along the $E$ boundary of the $N E$ quarter of sec $22, T 138 \mathrm{~kg} .30$, beginning at the 1 . car of sec 22 , live run $s$ along the road: at 86180 s. hue and tack: At it 83.20 set heb and tack. $A+2156.70$ set hub and tack: At 24'll 20s Ret hub and tack: Ak 2621,70


 Jeapkboun and ENTAil drive to the cor. of sech, $8,9,16 \pm 17, T 138$, tog. 30 , where we puce up the word hub and pit in ito place a $2 \times 78^{\prime \prime}$ galvanized iron pope set in cement Pipe filled with cement with s inch nail driven in center of cement at tope of peijec. 10 vet the $1 / 1$ cornea bet secs $\& x 17$ from our hut for tempe $1 / t$ cor. Wee chain west to sw cor of ie c 8, a distance of 2761.76 ft , and chain $E$ to the se coiner of pec 8 , a distance of 2519.70 41. making the length of $s$ fouxdacy of rec. 8 a total of 5251 . 70 of the length of the SE and Sw quarters of eec is 2640.70 ff $A t 12$ fo wet of the temp int Corner we run 55145 ft and est $a x 48^{\prime \prime}$ galvanized iron jojpe, with cape and anchor rad, sit in cement for the true $1 / 4$ coiner bet secs $8 \% 7, \div 1,35, \mathrm{dg}, 30$. At the conner to pecs $7,8,17+18,7138,1, g$ wo, we pule up the hut and tache and put in its place a $2 \times 188^{\prime \prime}$ galvanized inonypipei with cap and iq inch anchor rod pet in cement for the true Sec. corner
teri 16.1913 . Mi A. Kemp and Chris Arbogast working 2 take Beackbouin team and drive to Arbogasti yolace. Chris help correct back on line bet. $1 / 4$ comer on $N$ and spile of sec $8, T 13$, Pg. $30: A+5337.50$ s the $1 / 4$ comer bet secs $\gamma+17$ pete $w 120.50 \mathrm{ft}: ~ A t 1000$ s we run $W 22.60$ ft and set hush and tack vast of teailrovi fence for road e enter, This Completer this purvey. MAAtence, Suweyed Tray 12,1913 tofune 16,1913 deputy County Surveyor. pecorded-asec-12 to Aa, ill.

## TWP.138-RG.29-SEC.6 <br> TWP. 139-RG.29-SEC.31 <br> TWP.138-RG.30-SEC's.1-2 <br> TWP. 139-RG. 30-SEC'S. 25-35-36

Field note of the survey and establishment of corners in pecs. $6,7.138, \mathrm{~kg} .29$, and Rec. 31 , Downehije $139, \mathrm{Mg}, 29,9$ pee 142 ,
 and estaklinhed thy M.A. Kemp, Deputy, County Surveyor, Case Cocenty,
Thinnerita.

Thursday dec.11, 1913. M.A. Herp down to Bacheue on A.M. train: In afternoon drive out to Lid Leoajeffic with miear and tinkele. I an going to run the lines of the wII bf the sw quarter of sec $36, T 139$, Ey.36, for besajffí and miller and extablich other corners.
Friday Le. 12,1913 . M. A. Kemp, the Dacajeffin, and Ark Kenevothy at $1 / 4$ che on $w$ side of sec 36 , Bet secs 35 and 36,7139, dy. 30 . Iodide stake is gone. At this point tit rote call for yeort and: We: Pine inch, $573^{\circ} \mathrm{W}, 18$ links $=11.88 \mathrm{ft}$.
Bl. Tine 8 inch: $s 72^{\circ} 30^{\circ}$ E, 71 link e $=27.06 \mathrm{ft}$.
The SE tree is standing yplainly sharked from which we set the con in graded rod. The sw tree is gore. Set over stake for cor and run $E$ thru center of sec. 36 , on $8 \% 5^{\circ} \mathrm{Lar}$ at 708.70 ft. t set hub; At 913.50 E set hut; At 1200 E enter swamp: At 1626.20 ft set hub: At 1630 enter creek; Ah 1690 leave same: At 2471.20 sethuf; At 2800 enter creek, flows $s t$ : At 2870 leave came: AA 3296.70 Ret tub: At 3800 enter rice bed: At 7150 center of Creek to ft wide-flowsNE: At $4377 \cdot 70$ set hut: At 4360 edge ff rice
bed -enter swamp: Ah 5200 leave revamp: At 5373.00 E set huh: bed-enter cv vamp: Ah 5-200 leave revamp: At 537300 E set hull:

Hec:15,1913. Tam and warm: M.A.ternp, the o toeajeff: and Frank Wutterfied: At the $1 / 1 \mathrm{~cm}$ on the Aside of sec 36 , being the $1 / 1 \mathrm{cos}$ e bet sees 31, 7.139 Mg. 29 and sec 36, 7.139, Mg. 30, Hit wee call for pool and: S. Tine 5 inch, $N 57^{\circ} \mathrm{W} 13$ link es $=8.58^{\circ} \mathrm{ft}$ ? J. P. $5^{\prime \prime}, N \not 2^{\circ} \mathrm{E}, 47$ linblo $=1.02$ Que find both trees standing green by y cutting in about 6 inches we ford the marks quite plain, from which we pet a $3 \times 3 \times 30$ inch tamp. Retake, by feat meaowrimint from pace of figures for the true $1 / 4$ comer after which 2 take the pocowing hearing at $9{ }^{\circ} \mathrm{Va}$
 At 5316.00 ft . E the $1 / 4 \mathrm{Cor}$ - on 5 side of rec $36,7.139$, deg. 30 pete 54800 ft. Woe then go to the sEcar of Rec 36 , being the cor to nee $6,7.138$, kg .29 , and see. 31, $7139, \lg , 29$ and eec $1,7.438, \mathrm{mg} .30$, and 30, T.139, kg. 30, where git notes call for post and:
 Bl. Pine $5^{\prime \prime} s, 47^{\circ} \mathrm{W}, 24$ lints $=15.87 \mathrm{fh}$ ! Bl Pine $8^{\prime \prime} s 4^{\circ} \mathrm{E} \mathrm{E}, 32$ link $=21.12$ feet. we find the sw tree and the NE tree yolainly marked from which we

dee. 14, 1913. Same crew av yesterday. Fair and coed. set over Fodder stake at $\sin$ corner of sec 36, thing the con to seco.1,2,35736, bet toper 138, deg 30,
and T.139, Dg. 30, whine xes. S. wot w ane the foot and:


Find oed thew and mack new diving, thew an zoceove:
fop $15^{\prime \prime}, N+5^{\circ} E, 50.80 \mathrm{ft}$. Lop $10^{\prime \prime} \mathrm{N} 15^{\circ} 20^{\prime} \mathrm{w}, 69.60$ feet at $8^{\circ}+5^{\prime 2} \mathrm{Var}$.

pet hub: At 1398.80 ret hut: at 2657.70 Erect hut: at 2659.60 E the
y/ cor tet peck $1436,7.138$ and $139, \mathrm{Nog}$. 30 W , pets 10.20 ft . At this joint
Sort notes care for yous and:

We firth both tree standing green and plainly marked form which we set
the $1 / 4$ stake ky flat chain from face of $\mathbb{B}$. M. mark offer which we take
following bearing at $0^{0}$ s var:
Old $13 . T 15$, S $75^{\circ} \mathrm{W}, 7.92$ feet: Oed $13.715,13^{\circ} 75^{\prime} \mathrm{E}, 7.62 \mathrm{gect}$.

Let over $1 / 1$ corine r and run north. Var. $8^{\circ} 5^{\circ} 0^{\prime}$ the center of sec. 36 : At 1098. 70 N tut mark in swamp.

Dec.15,1913. same Crew as yesterday. Continue N. Weather med. at 1256.20 set tut: at 1596.10 N set hut: At 2275 enter swamp bear about Eq W: at 26.67 N ret hut; at 2880 center of 70 ft creet-flowe sW ; At 3075 leave swamp: (creed Led) At 5087300 ret hut: At 3268.70 N set hut: At 5300 enter tamarack winefree swampy at 589700 set hut: At 4500 enter open ineadow: At 5206 .50 sethut: At 5277.30 N the $1 / 1$ coiner bet. secs $25-736,1 \cdot 139$, NeG. $\overline{0} 0$, being also uss. M. C. Yo. 7 , sets $E 111.20$ ft: At this point U.S. notes call for youth and:
Tank $7^{\prime \prime} 887^{\circ} E, 30$ the $=19.80$ ft. Tamp 5 inch, $N 33^{\circ} E, 70$ lh e $=26.70$ feet Tue find the stump of to th tree yplainly marked, ale the old stakes from which we set $a+x+60$ inch tamp stake well driven into the Find and take the folloiving fearing: Var. $8 \cdot 5^{\prime} E$.
 Tank stub 土 " $^{\prime \prime} N 22^{\circ} 20^{\prime} W, 12.65 \mathrm{fti}$ T Tam. stet 6 inch $N 73^{\circ} 30^{\circ} E, 6110$ fut At center of rec .36, tue run the true $E P M$, and $N$ and $s$ center lives inter section where cue pet $0.5+5+27$ inch tank retake. At 2676.00 N Center of section rete E55:75 fth: At 2608:20E the center of reeve. 36 , rete 5 27.09 Feet: The ret the $1 / 16$ comer in the center of the North half of said erection 36 as follows: At 390165 N we run $E 83.77$ fut and ret a $3 \times 3 \times 60$ inch lamarac stake in the swamp for the $/ 16$ corner. We set the 1116 corner in the center of the $E$ half op said sic 36 , as follow: at 3992.10 E tee un u 336.05 ft. and drive a $3 \times 3$ "pole, 25 fut long drum in the rice ted near the creek for the tr $V / 10$ con er. M.A Kemp.
Tuesday Dec.16,191s we wet the $1 / 11$ comer in the center of the $W / / 2$ rec.
$36, \pi, 139, \mathrm{lg}, 30$, as follows:

the $1 / 16$ comer from which we runs on $7^{\circ}+5^{\prime} V a r$. thin swamp!
at 670 leave swamp: At 13 skeet hut: $A t 1291.60$ ft. s ret hut:
at 1369.70 fth set hut: at 1872 set hut: at 2289 set hut: at $26+9$ ft. $s$ the $\%$ coiner sets. 28 ft., being the w $1 / 10$ comes bet secs $1 \times 36$,

299-CONTINLED


 Corner Let peas $3-5+36,7139,0 q .30$, and ruxit on $1050 \cdot 2$ ari. Ah 199.70 E kethut: $A$ bo $2 E$ set hect: $A A 852,20$ E tack in roof of hilleri eampei
 in the conter of the $s / 2$ of pec 36 peta $s / 32$ eft lue set this lelo eaver as foleve: $A t 1323$ itN we ruen $E=7,81$ ft and pet a $3 x-124$ inch Gap stake. At Ahe center of the sin quarter-ofpec $3,6, T 1,39,00,30$, we pet $a \times 2 \times 2 f$ inch ptake, at the interexeton if the true linec, ruming Eashand woot and nooth pand poicth, Renter lives el thie Quartew. A1 133190 Eact, the center of the swipocarter of pec 36 peto
 seption 36, sete $E$ it oo feet. This copppleter the purvey.
nAA. Kempo.
Surveyed toec. 14,1913 to Dec. 16,1913 . Bepenty County, Survivero. Pecorded heic-af=i6 Bounty furveyar. Care oirnty, Dhinnevota.

SURVEY-FECORD-299
PLAT
TWP. 138-RG.29-SEC. 6.
TWP.139-RG.29-SEC.31.
TWP 138-RG.30-SEC's 1-2
TWP 139-RG. 30-SEC'S 25-35-36
4


## TWP. 136 N.RG.29W. $5^{\text {TH }}$ PM. SEC's 5-6-7-8-9-16-17-18-19-20-21-28-29-30.

Fired notes of the purvey and estadiahment of
corners in sections $0,6,78,9,16,17,18,19,20,21$, 28,29,30, Tounahig 136 N , Mange $29, W, 5$ th IP M. Case County Minnesota as purveyed buy Tarry S. Tod, deputy County Surveyor of Cuss County, Thinnesotal. reecember 10 th, 1913. 9 am going tolwark for tron fake township: the finish ipo at lass Lake and go to Bemiojit on the 7i00 PM Train paid R. Pe. fare 32 cents and hotel bile 75 cento total $\$ 1.0$ I.
December 11,1913: The leave Bemidji at 11;30 PM. east night, arrive at Walker at 1.00 oclock A.M. and take the morning 9130 A.M. Train begot: Arrive pequot 10is:7A.M. and try to get hade Anderson on telephone but cannot so
 and $s 0$ cents hotel, 50 cento and livery $\$ 1150$, total $\$ 3.47$ reigned. december 12,1913. We go to sEcoiner. O section $=0$, being the canner to section 20,21,28,29: Jownshije 1360,N, Range 22 W, Where $U . S$ notes cree for poet and:

 The find the sE tree standing green plainly marked, and the scud of the we thee abs plainly marked: The find the sw stump marked, and the note of the NM the from which we set the con. by proportionate measurement from the face got the "B, T." mark: The sw true chem out perfect for mexowrement, tut there is a difference fo 2.30 feet between SE And in trees: o yoropastion thin phitance between the two trees, making this sE tree 43.95. feet from the car and the NW tree 54.74. feet from the conner: After which we drive a $3 \times 20$ inch stake and tack for the true conn ir to section e 20, 21, 25, 29, T136, Dg. 29, from whit we run North heteveen sections. 20 and 21, var. 10. E: At. 1200 enter Corduroy: At 1285 Prut end of bridge: At 1307 , north end of
 sections 20 and 21, $1.136, \mathrm{ky}, 29$, where 3,5 , notes cole for post and:
 G find two flack pine tries that look something like trvernmpint masking o fut the letters and figures have ten put on with a gactetinfife es 2 do roth wee them and contence north: At 5393.45 feet north, intepect true cor to sections $16,17,20,21,7,136, \mathrm{~kg}, 29$, where $u .5$ notes call for port and: He yonne $8^{\prime \prime N} 38^{\circ} \mathrm{E}, 31 \mathrm{lk}=20.40$ fut : 7 lel.geine $9^{\prime \prime} 573^{\circ} \mathrm{E}, 10 \mathrm{lk}=$. 60 feet. Re pine $8^{\prime \prime} \mathrm{S} 25^{\circ} \mathrm{W}, 18$ elk $=11.88$ feet: Gl pine $8^{\prime \prime} \mathrm{N} 79^{\circ} \mathrm{W}, 25 \mathrm{lks}=1$ We find the SE Tree plow, but plainly marked and the NE tree dead but plainly marked: The other tree r have hen quibbled Construction: vel pet the comer thy feat measurement of the SE and NE trees: thin corner comes about five feet east of pain traveled $N \not A S$ road. Checking hack, Hut 2640 goes worth 29 .
 a d. Pine stake $3 \times 3 \times 27^{\prime \prime}$ with tack for the true $1 / 4$ comes. Frank

### 0.00 feet.

astounding rut for val the center 73 feet to 266979 where we drive the $1 / 4$ cor.
 At 2 ft choc $N+5$ wagon void: Ap 35 fth $w$ Crops wire fence 7 ft. from con - fence: At 300 set tied: At 500 Croer vire fence which hears about 585'W:
 W oct hut: quit for neigh. Aver night with Thad Anderson. Thad Andevoon Tels. Larson, W.A. Tramp, The th Anderson o Tarry S, Nodal worked ale day. S. Tod. dec. 13,1913. Dorm Sake Lup-136-29. beginning at hut 3000 iv Continuate transit hie W thee center of sec 20 . At 3060 cross wagon road which bes NW and s: At 3122.85 set hut: At 3483.40 set hut: At 3535 enter vovanp就 4025 leave same: At 4198 sethut: At 4703.40 set hut: At 5350 Ret hut on Reaver Dam about 20 feet $E$ of $E$ edge of Poon Lake: Wei then go to His. Meander Corner No. 3ojion s side of Non Pate, tet servo 19420 , Where 4.5 , notes call for post and the gollowing bearing, N. Vine 16 inch, west 55 links $=36.30$ ft. Curs), we look here for tearing trees hut find nothing and go to the case. to secs $17,18,19920,7136$,猒.29, where $x$.s. notice call for stake and the following bearing tress:
 NP. $10^{\prime \prime} \mathrm{N} 26^{\circ} \mathrm{W}, 132$ les $=87.12$ ft: We find the NW pine standing green and plainly parked and the stump of the NE tearing tree marked the we find no trace of the sw tree as it comes in a hay meadow and 9 think it was guebbed out. We pet the cover buy flat Theasurment from the face of NE and NW trees and from this corner run $s$ on $9 \circ \mathrm{Var.E}$. The nun across $a \operatorname{jig}$ bog and at 2415 otis enter la ie: At 2670 leave same and enter Beaver Dam; At 2,700 set pain and quit for night. Aver night at Pequot. Theth Anderson; Chain .i- W. H. Tramp, The S Garcon, Thuds Anderson Apemen. Harry s. Tod, Transit o Chain Alary Si Tod
 5 bet. eco 19 and 20. At 2.720 enter lake: At 9385 leave came: vive find No trace of M.C. No. 29, (Where U.S. note Call for post and: Tank 7 "N $87 \mathrm{~W}, 212$. links $=139.92$ ft.: Tank 8 inch, $N 12 E 365$ links $=240.90$ ft. Curs). We find no trace of the Theander, po Continue south: At 4410.50 set hut: At 50233.20 set tut: At 529 9.90 ft. 5 the true corner to Rect. $19,20,29730$ bears 538.40 fact. were $\operatorname{th}$ s. Notes call for stake and the following bearing thee
Aruie pine $12^{\prime \prime} \mathrm{N}, 36^{\circ} \mathrm{F}, 42 \mathrm{lk}=27.72$ felt; spruce paine $10^{\prime \prime} \mathrm{S} 32^{\circ} 30^{\prime} \mathrm{W}, 35 \mathrm{lko}=23.10 \mathrm{ft}$. price pine $8^{\prime \prime} s 32^{\circ} \mathrm{E}, 38 \mathrm{lk}=25.08$ feet: Lpunce Tine $14^{\prime \prime} \mathrm{N} 34^{\circ} \mathrm{W}, 76 \mathrm{lba}=50.16$ feet. Ne find the stump of the NE hearing tree plainly parked and the pturipes of the other three trees, no mark. Tee pet the coir. Form thee e buy porportiapate measurement. We then go to stake 2640 which we check 7 it 5 fill 5 to 2647.45 S, then E 19.20 ft., where we place the true $1 / 4$ corner bet. secs $19 \dot{4} 2017136,0 \mathrm{~g} .29$. As this $1 / 4$ corner comes in the lake we curt a hole in the ice and drive a poke $4 \times 4^{\prime \prime} \times 8$ feet long. We then find that at a point in oise $E+W$ center line of pec 20 , at 5325.60 ft. Ir the true $1 / 4$ comer Ret. secs 19920 seta $n$ orth 48.95 feet. Correcting back on Eq. Center line of Rec 20, tut 300 W goes N 2.76 fl. Hub 60 W goes N 5.51 feet: Fut 900 W goes $N 8.25$ feet: Hut 1200 W goes N 11.03 feet: tub 1500 W goes N 13.79 feet: tub 1800 W goes 116.54 feet: the b 2100 W gree N 19.30 fth. Hut 2400 W goes N 22.06 fest. Hint 2700 W goes N 24.81 feet: we have dinner with fohanines istruve and heth Anderson and o go to the Cor. to sect, $1,8,17, \times 18$,

## 300-CONTINLED

136 , $\mathrm{pq}: 29$, where $u$ note cill tos yeostand:



Fapron foth living clove to the evrin eny they can poven that it ivas pharked
Wrth Hoik nuks inh nos ured Fuix fowner Dounty Durveyor, damex M.
Onfiel in seting this concis: Hhy pay ach the trece werenere when canfield Rethis conner. Nue tuyts fund the poch burnied where Darfielde etare was
zou but donot pucced. vam going.to uee this tree to eet the eoiner thy.
28-29 Mads Andereon, Nitthrarip, and Nels. Pureon gato the eviner opece, 20y21,
 Tp niy etaki $2 x 2$ fif " gilvanizel cion pipe set its fuel lengoh ink the
 vionsly pet biy me where thy puel ip my veake and peut in its scacea




 Foet diotant from a paint in the rovel where tive pencec...eve to a poink whire a ptake vare ect Tuy Thr. Canfield, Goimer Dounty. Acurveyar, Hor thie corner: tte had all four bearing treer when the pe It the conner and probably the other trees druw hip corner ouitoof Eine for Course cuith
 and set the corner $524 i r i n^{9} 438$ feet distant from the remaining Hoviray Pine Rtump Tokias Thje, fred taneon, nels provevile ovvear Chat thio Wor Pire etimp was one of the oed origivial $2 t, 5$, bearing trece oend w-ax voed hy cangield in locating thio Cobner. Wie set a $2 \times 2 \times 78$ "qulvanipedin pion yojpe, set ito fuel length in the qionind for the true eointo pec $1,7,17 \% 18$,


 the follouring tecring trece:
 teveind yothing and eontinue movek QL 2694 enterure cence: at 2860 Groci Cuck, NW SE: AK $3000 \not 03300$ Ret hubs: AF 3 A 00 enter tamb curacu:

 S notes cale for poot and:

 thiee yewroggom ans s think $s$ pound whif the Learing treco here at that tine, \& find wherering old ptale otord, ind find that it checke



one ticat remaine and I set the conner from this trec att'vair: we pect ip a $2 \times 2 \times 48^{\prime \prime}$ galvaniged iron jejpe for the true cor. to seco $5,6,7,8,7,136$, deg. 29.. Auit for night. Quen night with Mhade C. Anderoon. Farry S. Todd, Thado

 randon hime bet. secs 748 , theb 300 ft N goee $E 0,32$ ft. Ftib 600 gues $E$
 E1.58 ft. Thut 1800 N goes $E 1.89$ feet: thub 2100 N goec $E 2.21$ feet: Ttut 2400 N

 Hub 4200 N goes $E 441$ feet: Aub 4500 N gree $E 7.73$ feet: 17 fut 7800 N goce $E$ 5.04 fect: 1 tuth. 5100 N goce $E 5.36$ fect: thut 2640 N goce N 8.15 ift. to 2648.15 N , thence Eash 2.78 . fh. for the $1 / 4$ corner thet eeco $795,7136,0$ deg. 29, After checking over thic line we go to the corner of ceer $8,9,16,417,1,136$, eg. 29, where U.S. Noter call for poct and:
13. yine 658E 14 hinko $=9.24$ fh: P pine 6 inch, $r \neq 5^{\circ} 5,25$ lko $=16.50$ fol Gi pine 7 inch $N 57^{\circ} \mathrm{W}, 70$ linko $=44.20$ fil: 13 pine $5720 \mathrm{~W}, 62$ hinko $=70.92$ feet. we fund the $v E$ twe doun hut plainly marked and the etumpe of the other thice trices not marked. Nie $\operatorname{cet}$ the corner pnom Thece try feat peawrencent jeutting, in a galvanized iron jejoe 2x 2x+8"sic bige for the true. Corner to pecs $8,9,16.17,7136$, Dy, 29. Thic cion peto $31 / 2$ feet in the ground. Guit for dinner. The Fovo Goard neete at now and youjo me off $\$ 27.35$, after which Thade $\mathbb{C}$. Anderkon takes me to Bequat. Cricu ojet fuel day for to-day. S tocke the PIM. Irain, Siquat to walker:.. Quer night at rakken. Tarry s. Lodd. Sicrucyed Aec.10,1913 to Dec,23,1913. Reconded Nex-15-1\%

Cownty Rumveyar.
Cace Co. Shunnesita

SLRVEY-RECORD-301
TWP. 145 N.RGG.31.W. $5^{\text {TH PAM. }}$
SEc's 4-5-8-9
Field notes of the survey and exerblichment of. |comers in sections $4,5,8,9$, Irwnstije, 175' N, Range $3 / W, 5$ th PM. ; as surveyed by Tarry S, Tod, Deputy County Purveyor, Case County, Thinneesta.

Nov.20,1912: Harry s. Tod tranoitman and Chainman, assisted buy bob farms. $\theta$ leave kemidje at 6:30 A.M. And arrive Case fate 7A.M. Finch $18+$ Jarvis, who drives the out to his glace in eec. 7, Top. $145, \mathrm{geg} .31$ Pooed darwin it would take about four days ts do hes work of eck dividing all correct, so he gist wanted rough lines run.
$\because$ go Lo the $1 / 4$ conner on west side p section 7 , being the $1 / 4$ corner bets pecs
 and the following Hearing treen:
 There is a corner here, set Au fac, Nl Middleton, o pet uptraniect an his corner and find the stump of the NW, hearing twee, plainly marked. There is no trace of the sE tree. We then go to the corner to secs 4,5, 8. \%9, same toconship, where 26, s: notes call you a pock and the goleouing hearing trees:
D. Pine 8 inch, $N 64^{\circ} \mathrm{E}, 27$ links $=17.82$ fth: Divine 8 inch, $N 70^{\circ} \mathrm{W} 24 \mathrm{lko}=15.84$ feet. A. Dine 6 mich, $56^{\circ} \mathrm{W}, 44$ link $=29.04$ ft: $Y$ pine 6 inch, $567^{\circ} \mathrm{W}, 31 \mathrm{lleo}=20.46$ feet. We find the corner here set by fro. N. Thiddleton, ales the stump of all four old tearing tree. . We pent in the following new bearingo: lack Pine Stump 12 mach, $570^{\circ} \mathrm{E} 20.25$ feet: Stump is" $572^{\circ} \mathrm{W} 34.60$ feet. Fence Post 6 such, $N 68^{\circ} \mathrm{W} 38.02$ feet, g. Pine stump $15^{\prime \prime} \mathrm{N} 65^{\circ}$ E 50.66 feet.
We then Chain between these two corners to find the $1 / 16$ corner, being the south $1 / 16$ corner between sections 4 and $5,7145,00 \mathrm{~g}, 31$. We find the total distance 2637.30 feet and Ret the paid $/ 16$ Corner 1318.65 feet from each end, and from this $1 / 16$ jiver set, 9 turn an angle of $90^{\circ}$ from the true $N+5$ live and run East 2620.50 feet to another $1 / 16$ comer which o think was set buy fac. W. Thiddletorn, and This it 94.35 feet to the south: 2 check pry line over and youth the temporary $1 / 6$ conner in the enter or bear the center of the sw quarter of said section $4, T .145, \mathrm{py}$. 31 , and 7 mom this stake run north $3=0$ Rect and quit for night. Bot tarivi then drives me to Capo babe, where 9 take the 7.14 PM. Trail to Benidjic.
Lurveyed-Nov, 20 th, 1912 .
Signed - Harry S. Etd.
bon
bounty Surveyor, Cases. Co. Think.

SHRVEY-RECORD-301
PLAT
TWP. 145 N. RG. $31 . W$ SEC'S 4-5-8-9
Scole:2立 mah $=1-$ mile


## PLAT

TWF. 145 N. Rg. $31 . W$. SEc's 35
TWP 144 N. RG.3I.W.SEC's 2-3-4-9-10-11-14-15.
Scale: 3-inches $=1$-mile

## TWP $145 \cong R_{G} 3 / \underline{N} \operatorname{SEC} 35$ <br> TWP/44 ~ $\operatorname{RGG}_{G} 3 / \underline{\omega} S_{E C ' s} 2-3-4-9-10-11-14-15$

Field notes of the wurvey and the establish-
mont of corners in sections, $2,3,10,11,14,15$,
Jownohip 144,N Range 31, W and Lotions 35, Lops. 145, Mange 31, W, 5 th PM. Cases County Thinnesota, ae purveyed by and under the direction of John NT. Gro County Duwneyor, assisted bury Buy A. Dod, Deputy Co. Surveyor.
 Keg. 31, for Buff Bauvrear, John Chabundy, A. I. Socle and other packer 6: PM. Bus tire 2.0 cents. Arrive at Pass Lake 7:05 PM. M.P. Hf Cento and 44 cento $=88$ Cento. Ticket for Curs and Nod. Auer brigit Indio thatel, Pars Sake Friday Tet. 27,1914. May Frank Gorenflow at Indian total $\$ 1.00$ and $\$ 1 / 0$ os equals \$1.00, Curs and Nodal Leave Case Lake Till A.M. Livery team and
 drives tack to Cases Lake. Ohm $N$ N. Duro, Hus A. Hod, transit shan with Thike Barbary and Gig. Souled go to the iron corner on $s$ corner
 Whish posit Cirbary outs line E. "Micro, Socle and Hod to the W.S.
 Call for a post and the following tearing trees.
Nor. Fine 18 inch, $538^{\circ} \mathrm{N}, 53$ links $=34.98$ Sect.
7. Pine 28 inch, $554^{\circ}$ E 71 links $=46.86$ jest.

The find both thee standing green and plainly marked, from which we set a hut and tack for the 2 . s. ". Cowing Cormer'to pes 273 , on the 1 side of Sup 144, R. 3 , after which the tree r stand correct for course at $5^{\circ} \mathrm{Var}$ Chain to tace ff figures. The cor se f with Surly Compar and 100 foot
 oho live on Buff firm on 5 quarter of sE quarter, eec. 3, T14 14 Pg. 31. drives Give and Nod around to different pec. Corners. Tue drive th the

Bin 4 inch $N 6^{\circ} \mathrm{W}_{1} 10.3$ like $=6.7 .98$ fut.
Bin 4 inch; $N 10^{\circ} E_{1} 132$ links $=87.12$ feet.
W. Bur Anal, $536^{\circ} E, 21$ link e $=13.86$ fut.
W. Mir 4 mich, $580^{\circ} N$, 20 linker $=13.20$ fat.

We find the stump of an up-tirned thor. trine tree, which yow s Caged on ald Love sides before it Hes town down and there are 2 square stakes set one on each piddle of the stump tody of the tree. the stake are approximate y stout 10 years old, po are not the red Sit Makes and as there is no evidence of anim Burch tres or roots new where these stakes stand-.. and as the til Nootrees grovirall around and clove to this points it is evident that the Corf: warnot placed here thy the 26. S. Purveyors. The timber hastien cut ac a long this line Ex or on the side of this square stump and stake fictell of of this point, there is a: henry thick
growth of tace queen Norway thee. O believe the true coiner ran riginally placed North of this point, tho' we wien Ne later.
Beginning at the two takes neal the cor to secs 2,3,10\%11, T, It, eq .31, Guy A. Tod and John Mr. Curs, run a rough compos live and paces.

Thou: Dine 28 inch, $N 650$ E, 20 link $=13.20$ feet.
Nor. Pine 20 inch, $577^{\circ} \mathrm{N}, 70$ links $=46.20$ feet:
We do not find them and pace 950 pace quoter $s$, still at 8 Var. E:, where we find the cor. to cen $10,11,14715,1.147,0 \mathrm{~g} \cdot 31$ where U. S. notes cell for a pool he
A. Pine 9 inch, $518^{\circ} E_{1} 5$ links $=3.30$ feet.
G. Pine 12 inch, 551 W, 11 links $=7.26$ feet.

Sine 8 inch, $N 65 \%$, 25 links $=16.50$ feet.
hos - Pine 24 inch, $N 30^{\circ} E, E 25$ links $=16.50$ feet.
we find the trees of the 3 g . Dines branding and the stump of the wE Tosigoin all plainly marked from which we set the point for the true cor. by a proportion tie" Neacurement Fr am the tace of the figures: Distance Let. the NE. 5 SW trees is 0.35 of a foot longer than sort BRain Calls for and the distance bet. the N.W sE trees io 0.15 of a foot longer then Writ chain Calls for, po fy proportionate measurement the old trees stand as follows,
l. Pine 9 wish, s sib, 3,30 Rect +.03 Rect $=3.33$ feet.
f. Pine 9 inch, $s 5^{6} E, 1.30$ Lect +.03 feet $=3.33$ feet.
G. Nine 12 inch, $s 510 W, 7.26$ jet +0.11 feet $=7.37$ feet.
S. Pine 8 med, $N 65^{\circ} W_{1} 16.50$ 年et +0.12 elect $=16.62$ feet.

Nor. Pine $24 \mathrm{~m} . N 30^{\circ}$ E 16.50 feet $+0.24^{\text {feet }}=16.74$ feet
Theacurements taken from the pace of the old Rearing toes to a 20 d sake driven in at the point of an old stake for the the corner to secs $10 ; 11,14$ \& 15 , T.144, Mg. 3\%. We do not take the corded, but the trees appear to sand perfect for courses. We ret this corner with a Surly compos,, 100 foot Monarch ted tape and plumt-bot. Curs and Ard Chaining. Sbule nyeman and witness. We look for the $1 / 4$ corner bet seer. 2411 , T14T, Mg .3, where. U.S. notes Call for post and: Thar. Tine 12 mich, $54^{\circ} E, 385$ linter $=254$. 10 ph.
A. Pine 5 inch, $N 30^{\circ} E_{1}, 171$ les $=112.86$ feet.

The cote for the $1 / 4$ corner on the s, side of rec. $35,1,145,00 \mathrm{~g}, 31$, where us .s. notes cree for a jot and:
M. Pine 14 inch, $N 28^{\circ} \mathrm{N}, 51$ links $=33,66$ feet.
Y. Pine 12 inch, $N 45^{\circ} E 44$ link $=29.04$ feet.

Wee do not tuppen to find it, To pent in the. $1 / 6$ con, $1 / 1$ mile $w$ of the $5 E$ cos. of sec 34 .

At a point on Curs red transit line 2637.30 th. Wo the SE cor. of Rec. 34,7145 , R. 31 , the won $1 / 4 \cos$. an the s side of sec 34 , pets $N 19,70$ ft. Correcting East: At 1300 ft . w we cham $w 18.65$ ft. to $1318.65 \mathrm{ft} w$, then 17.35 ft . Wheronve drive a 11/4 $\times 10$ inch ion bact for the true $1 / 16$ cos on the $S$ side of the $S E 1 / 4$ of sec: 34, $T$. " $145, \mathrm{Ng} \cdot 31$ : The s sike of the SE $1 / 4$ of sec. $34,7.145 \mathrm{Mg} .31$, Chained thy Cur in hot weather, July the 18,1913, does not check out with our chain today in the mont
 Hind of a chain intoth measure mento, being a 300 ft, Chicago st el tape Hot, bight sum ale day. Newry wind from the sw. Surv going fast. Furor Joke boer night with

Saturday Jeb 28, 1914. Qurs gres to Cas fake vith Dian Hauvrean (Buff Hanereaie team) wherel Curs will leave for'federal Nam and phovel Lake. Guy A Fodd Continues the survy with Gansik and chain A\& \& transit and adjutment, als 310 ft Qhiecgo otel tape plumb-bif chain double center hub: Setting tranat on irox secoriol sec

 PM very cold and windy bouving a gola. Continue E: Ah. 1062 tackl in Oog, At 1200 Atake: $a t 1208.85$ spike inground where we offoct for big tiee: At soo otake As 1680.50 spipe in pround whine we set back to original line from offect $1 / 1750$
 haid, 1 bannst set up more hubs nawe continue to eutbush. Poule anil M. Caibaiy aumen HuyA-Jodd, transit and chain Soile and Jodd ehain, quiet for night
 hile to Casolake after pupper 9 go to Benidji on the 7ilsPM. train to stay over Sunday Pharch Buls Oce day A Benud. Suy A Iodd.
 Dise at zibo A:M So to Buflu, but Pbuff and the Crue arenot reidy to go out ijet bue
 beng to late to go on with the work, saine eat an early dinner and work in dron con and run hine E on $8 \cdot \mathrm{Var}$ Soule and Canbary apemen, Huy A Isde transick we alh cut hine and afout 3,00 Gelock it beqins to prow so tand, 2 cannat use transit to put in hubs, po we all eut brie, ale $M$, and quik for night Dinner,
 wesday Thanch 3,714 Buiff, Carbany and Euy A Ad Atart in the Morniing to



 ft. E tack in log: At 92 Crossold Moad bs $N \neq 5$, At 90091200 stake at 1320

 Where us nites call forpoot and:
 Aclare gone quit for disines. TM Name Crew except Ben Kleatundey: Whis Copes to vark with uo, Klabunde and Carbay Aumin, Soule and Indd Chainmen


 3960 pet temp:E 116 canci bet secs 3410 , on w edje $f$ tor. gine timbir. The Continue to cit line Ethe rest of the aftarioon. Quit for nijht ybreaffact, diriver, - . Buf cupper and oven nijht urth Dan Bunhew, Buff goes home at noon Hiny Atode in perfect adyistent dowbei eintir kiebs Soule and toid chaining peenfect.




 for disiver. Same creso in TM. Irdd transit, suce and Fodd chaik Cowturne
 Let pnow hut on phot hiel, where we hact Rek 2 inche $N$ hom hub 52 s, and





Now pine 12 inch $54^{\circ} E_{1} 385$ link $=25410$ ect.
D. Pine 5 inch, $N 30^{\circ} E 171$ links $=112,86$ teet.

- Soule and 9 look for the hearingtwew thet coiced not oind themi, wie ds not gind a ctake and Leoning tree that Aome foreter Nas putin huhtekey are urong. fivih for right Ereaksot, dinier suppei and overnight with Oan Hacirean Hiy A Todd
 A Toid tianíit Zi\& B transit in adjoptixent, poumb tob elain, soo fool ehucig. steel tape, soule and sodd Chaining, iee go to our bine runining Eavt fictiveen


 4 poine tainch, $128^{\circ}$ in 51 links $=33.60$ eeet
Hpine 2 inch, $145^{\circ}$ E A 4 linkes $=29.04$ fect.


fot $B$ intirsect transit live coming from the W: At 162 croce ena coad bra ExWi

 o 3000 \& 3300 , $t a k$ on ice and fuit for dinner. Same ercer in PM. Hetd and soule Chuining. Ak 3600 htake; ith3600n25 hut on ice in Thoss fabe:





 continier to cut line s the pent of the day and girit for night tereapfant dinin, supper and over riight with Ban-tauvicai Curoarrive ati,iom trom Phoveh Sace.... Gu A Tadd.




Ats 117.90 set hit: At 166,50 our line hit $N$ ind of log shanty, where we set tall rediflig on line: At 8117.90 fleet 8 feet. E and backsight on a flag set 8 Ch. E of perv hut rect in swamp ah about 7650 ft t 5 :
Continue s 8 th $E$ of original: At 90.27 .20 set hest and affect 8 feet $W$ and set prow hut, over whit we set then backsight on red Yean at end of shanty and continue $s$ on true random line! 10479.60 set heth at 10.500 set stake: At 10741.00 Phis the coiner to pecs 10,1114415 , Tupp.144, pg. 31 , sets $E 72,00$ Phi, where we set a 20 spike for the true corner try proportionate Chain from old Leaning Fund after which they stand as bolero!
Oed f. pine 8 inch, NE 16.33 hi Cell Si pine 24 inch NE 16.74 feet.
To face of pot and figures at tace of trees. WE takeneev tearingo as follow b
6. pine it inch, $555^{\circ} \mathrm{W}, 54.57$ feet. To Tail in spot.

1. pine 13 inch, $550^{\circ}$ E, 04,22 leet. It Nail in Spot.
epee 12 mch , NE $30^{\prime} \mathrm{E}, 60.33$ feet Io spike in sport.

- pine 10 inch, $N A 1^{\circ} 30^{\circ} \mathrm{W}, 74.74$ feet Io spike driven in that sport.
in tace of each tree set girly Corpse at $8^{\circ} 30^{\circ}$ Var. EM Curs and Tided Shin with 100 feet. Thonduch Steely tape. Curs and Tod transit and Chain! Soule and Barbary Apemen: Beorgt E. Deardurf and Lloyd O. Deardurg
 $1 / 4$ of $N E 1 / 4$, sec $10,7.177, \mathrm{Rg} \cdot 31$, filed in March 1913 .
Tail thence ours homesterd 160 acre being ww $1 /$ sea. 11 , T. 147 , Dg. 31,
Loge Beardurf says Bill Gibeon how where the corner is to sees $2,3,10911$ TiA, Mtg 31, and surveyed from hire $1 / 2$ a Mile 5 Gividing the line 21 rods short. They are probably Mistaken. John N. Euro.
 Ti Att, De.31, Guvs and Hod go to the NE Con of sec 3 and at a point on the transit line 2047.70 feet of the iron 5 Comer of sec $35,14-14, \mathrm{~kg}, 31$, the H.S. "Closing Corner" at NE corner of see. $3, T 177$, bg.31, pete North " $90^{\circ}$ angle "93 feet" As the W $1 / 2$ of the Nide Mathis see was chaired in hot wehther"fuly 1913 " there would be pome difference in the shrinkage of own peel tape as we chain it on the pnow-to-day and figuring I inch shrinkage in each 100 ft. of chain, would he 1.70 feet. in 20 ff, To, wo that the true distance from the si w con of sec 35,T175, kg. 31 , Ito the Clown Comer at NE comes of see $3, T 144,0 \mathrm{~g} .31$, would te only 2043 feet?, if chained in Lot wether, so figiveing the shrink age the true distan across the. $N$ pile of sec 3 , is as 7 below:
From the ion Closing Comer at the NW corner of $\sec 3, T 144, \mathrm{eg} \cdot 31$, placed on the true standard paraluli line (being 7.50 ft .5 of where the u. s . purveyor put in) the distance $E$, donal Chain is 583.64 feet, to the ion $1 /$ e come on Snide of $\sec 34,7.145, \mathrm{Rg} .31$, and from there to the cire $5 w$ comer of sec 35, 7.145, 奴.31, is 2 631.30 feet. aided to 583.64 feet, $=3220.94$ feet, and pram the $S W$ Corner of said section 35E to the Closing Corner af $N E$ e omer of sec. $3, T 14.5, \mathrm{Mg}, 31$ is 2043 feet standard Chain added to $3220.94=$ 5263.94 ft . Standard Chain. So to put in the $1 / 4$ corner on the N vide of sect, T.144, keg.31, tue begin at the inn SE Comer of sec. 34, T.145, Rg.31, and Chair W along the tome standard line 589,20 feet, Coed chain., which would be

 as follows:
spine 5 inch; $153^{\prime} 45^{\prime} E, 57.04$ feet.
* pine 5 mich, $N 17^{\circ} 25^{\prime} W, 38,80$ feet. To the Read of rails, driven in flat perot in Wace of tree. Corner pet with transit and angle turned from-the true $E$ and ir line pet 8\%, Var. This $1 / 4$ Corner. io set $1 / 2$ way hetiven the $w E$ \& w Canner of said sec 3, and the diptance to each corner is $2631197+2631.97=5.263 .97$ feet, achoo $N$ side of pec 3, ret big lo nw M.Curo, Buy A. Tod and 1 Pd. Socle. Thike. Carbary and Heorys E. Acacdung
 $90^{\circ}$ angle from the true ExiT line and run 5 on $8.10^{\prime} \mathrm{Ya}$. At 395.50 set snow hub: at 1237.25 set hut: At 2083.40 nowwhut At 2789 enow hub: At 3090.50 about An oed preliminary stake set ty Thurry S. Tod hears Eabout to feet; At 3.30, pet stake:' Buy A. Todd, run transit, socle helped hin Chair. Quit for night. Todd and Curs still staying with Sauvreau. Curs goes to lt coiner on s side
 Sunday Tharch 8,191A. A.Mi-curo writes notes; thy A Todd and mike Barbary go to the $1 / 4$ comer tet secs: $2911, T 144$, leg. 31 , where $2 C . S$. notes call for post and:
$N$. jeine 12 inch $S 4^{\circ} E_{1} 385$ links $=254.10$ fact.
f.yeine 5 inch $N 30^{\circ} E_{1} 171$ links $=112.86$ get.
dene 5 mach $N 30^{\circ} E, 171$ hins $=112.86$ feet.
tue find the tall stet of the old SE $N$ Pipe bearing the plainly marked from which we set a small hut with Nail in top far the temp. $1 / 4$ corner at $10^{\circ} \mathrm{Var}$. Chain from face of figures. We mark light hearing as follows:
dine 10 inch, $N 60^{\circ} \mathrm{W} 11110$ feet to mace spot.
pine stump e 12 inch, $54^{\circ} E, 32,50$ fut af 7 vow.
Be ginning at hut 7920 Chain $E$ along transit line 27.00 gt. to 7947 Eturn $90^{\circ}$ angle with transit from cut out line and the It comer sets si 85, of yet. The grit chain bet, secs, 24 3 and across Those Sake are as pollocio:
From NE comer of sec $3 s$ to Moosilake, U. S. notes call for 300 links bang 198.00 fth, and the distance across Thous: Sake U.S. Chain is. 6647 links or 438702 ft added to 198.00 ft $=+585.02$ feet, and the distance u. S. Chain from hos lake $s$, to the corner of secs, 2, 3,10x 11, is 16.53 links or 1090.98 ft Added to $4585.02=5676.00$ feet $u$. 5 . Chain and the distance from NE Corner of pec. 10 to SE corner of pec 10 is 8000 links or 5280 fect added to $5676=10956$, po pt. U.S chain from the NE corner of. Rec. $3,7144, \mathrm{keg}$.3, two Thilis s to the corner of cess 10,11 , 14415. 10956.00 ft. U. Stain $=10741.00$ ft. In Chain showing that our Chain of this two Whiles is 215 feet shorter than Doit chain calls for: Figuring the length of the line along the $S$ side of pecs $243, T .14+1, \nmid g .31$, wee find the pheasuremento as polcoive: Wait chain $s$ side of sec 3 io 8060 links or 5319.60 ft and the distance from the 5 w Cor. If Rec. 2 E. Of the quarter post if 4040 hints on 2666.70 fo. Exit Chain added to $5319.60=$ 7986100 ft U.S. Chain from the SW quarter of. Rec. $3,11 / 2$ Miles $E$ to the $1 / 4$ corner on $s$ vide of sec.2. 79.86 .00 fix. S. Chain $=79.47 .00$ yt. 7 My chain or 39.00 ft . shortewthan bout chain call you. John Ir. Curs.

Thonday March 9,1914. Wo put in the point for the conner of secs $2,3,10411,7,144,0 \mathrm{gg}, 31$, we proceed as follows: Point 5319.60 east goes $W 25.98$ feet to 5293.62 E , bo at hub 5280.00 E we chain E 13.62 fut to 5293.62 E, where we drive a spite in the ground for hub "A" which fixes the position of this corner ar to East and what Then 5676.005 goes N 111.39 |ft.t 5564.61 s where we drive a spike for hub is"," whish fixes the position of this line as to

302 cont:
 bise nad nun a nickett line s to a point w ö huc " $B^{\prime \prime}$ and at hub" $\beta^{\prime \prime}$ ue turn a qooaingle
 line from hub ""' atajpaint $s$. Dottis sifo" "A" whiah paint ve duive a ppibe


Nevipe atub, 5610 E 22th fect to tack atgotrar.
 wouel probably be placed abaik 12 feet further Horth, hut the Theander ic paxe

 Hefare mentioned sato about 35500 ot $S$ axd 33 feet W $Q A$
 $52 \sigma^{\circ} \mathrm{E}$ Curo, Toid, Carbarygelace bab hed flag at the iron $1 /$ t corner on the beect

 Eowhere we cioss the $N s$ transit liveue drive a poike in an old lag and laa feet Virther $E$ we divire a piovin the fropin grownd beturen tuv trieco duadion

 pine plump and ptill further Eue drive a ppike in an abd black prompix bn tiops ofrcile near whede of phose hake we drue a poike in oed rotten eang and oni. Aide hielineir lake drine ppike in the ground.. Sten continuc mes trarkeit hine Eion
 fectspotake 300 s. Beginning at the jooint of interocction of our riandom trancits.
 Comer, we chain wonice. At 300 and eop ptake onice: At 698 beave Moos. Ahke:
 logen tope of hite: foon ppike in sel log on top of hill it in $1 / 7 \neq 0$ \&t Eto ppike in side hill. Giuit this puirvey for the prexent ao the land eccocio do wat enare to Apend any moce noney in the work. Suy toidé lile for engimecu work and
 diue todd. Todd makes neo charge for one day going home. Aw makenne eharge whatever foi hie time or expense.. Oina N Quro.
Hunueyed 7 fol $26,19<$ to March 9,1914 Pecorded 1 Pe-2 $-2-27-16$

County Surveyor. Case (ounty Thonnesiata


## SECS 5－6－7．8．TNP $140^{\sim} \sim R_{G} 25^{n}$

Field nobles of the survey and selabuidment of corners in wees，5，6，7，8，Township 170，N．Range 25 W，Cases County Minnesota，as purveyed by John TV．Curs，County purveyor，Lass County Yhinnesota． Thonday Thatch $2_{1} / 1914.2$ am working for case bounty thinin．，in survey of a part of the Con Yhetger County void in sec 8－140－25i Serve Federal Dam at list A．M． train vii 500 dj． 66 cunts．Arrive at Shovel Lake 1：00 PM．Dinner at Should． lake． 35 k ．Tret frank 7 K－Laughlin who drives me to his place in $\mathrm{N} / 2 \mathrm{sw} / \mathrm{t}$ ， sec 28－140－25，where o stay bueriznight．
7hauch 3，1914．Thu．Thus．The Laugher take their team and drive y ne to Con thetzeis place－going up old logging roads by way of Thishew Lake $t$ thu sec 12－140－20，thence donn，＂Lite thunder＂bk e to 隹terie where all get dinner．YNdaugkhin helps men in PM．and then drives back home g－cob up Theanders on lake in sec．8．140－25．Suer night with Metger．John wi． TVednesday Thar－4，1914．Con Thetger－Wueter．Thetger＇and 9 bake compass 7 run pickett live from the $1 / 4$ Corner bet peso $5 \times 8,140-25$ ，west $8^{\circ} / 5^{\prime}$ to MM C，no 14， where u．s．notes call for：
Th．Cedar $6585^{\circ} \mathrm{E} 24$ link $=15.84 \mathrm{ft}$ ：Wo．Cedar $6 \mathrm{~N} 78^{\circ} \mathrm{E} 29$ links $=19.14$ feet The find both twee standing plainly marked from which we set a wood cor．fry proportionate course and distance．vie find distance between center of old B，Th．to be 5,80 feet from our temp．wood M．C．
Led B．T．Fears N8 $312^{\circ} E 24$ links $=19.14$ feet．
Red B．T．bears $581_{1}^{\circ}$ E $241 / 3$ link $=16.06$ feet．
we did not pet exact corner on account of deep snow and ice but get the exact distance wort so as to fix the exact point for the re cor of Rotl，pec．8， T．140，pg． 25 ，as to $E$ and $W$ ，in order to part a pickett line south and at a point 2125．50 feet weat－M．C．no． 14 keto south 16.70 fact．
Ot the $1 / 4$ see con bet ser $548,140-25$ ，usS．notes call for：
WV．Burch N24E 3 leo $=1.98$ feet：Blk Oak $6535^{\circ} 30^{\circ} \mathrm{W} 11 \mathrm{lk}=7.26$ feet
Tue find to th old UTs．bearing thees plainly marked and a $1 / 4$ cor stake pet Fit 4,1912 ，thy Alary S．Tod who marked up new hearing trees as follow： Biv．1055 ${ }^{\circ} \mathrm{W} 22.30$ feet：Burch $8 \mathrm{~N} 2^{\circ} \mathrm{W} 16.10$ feet．
Both of Iodide new hearing are stile in place，And from this $1 / t$ cor we run a careful compass pickett line west $8 \% 5^{\prime}$ Var．Surly Compass 100 foot＂ 7 Monarch＂ Steel tape chained perfect with plume dot buy Con thetgev and curio．
At 700 alp stake：At 1100 pet peke：At＂1983 lei＂$=1308.78$ ft．W set temp．V／16 corner． At 1983 linkoplus 1235 ko $=1308.78$ gt．and $815.10 \mathrm{ft}=2123.88 \mathrm{ft}$ U．U．S．Ci kain．M．C．ro．tp，

Correcting back：At 1308.78 we chain 5.99 of a foot west to 1309.77 at which
point we chain south 10.30 sect where we place a male hut half a gook north
of a 2 inch ivom－wod trice，which we pure up for the temp．Il le Cor．at the $1 E$ coiner of Sot 1 ，Rec． $8,170-25$ ，which fires the position of this comer as to the Trim distance $E$ and $w$ ，that on account of only running a pickett line wast with no transit，this cor may go．Worth ar South a port whin we come to put the transit on the line．About one foot hor th of our pickett line and eyanty $1309.777^{4}$ ．West $\operatorname{siq}$ square up a 2 inch green iron wood stump and drive a nail in the
top, so as to preserve the measurement as to EHW, and prom this point 2 start a Compass pickett line south for Thetger to cut line buy. As $g$ want the line cut, 2 earicct our pickett line as follows: 2100 goes $516,50,2000$ goes $515.71: 1900$ grew 517.97 feet.
1800 goes 514.15:1700 goes 5 13.36: 1600 goes 512.57 feet.
1500 goes 511.80 : 1400 goes $511.01: 1300$ goes 510.21 fact.
1200 goes 5 9.43: 1100 gre 5 8.64: io o goes 57.86 pectic 700 goes 5 sis feet. O find goth hearing thees to M.C. Ko. 9 and the SE B.T. to M.C. No.II, and 9 think 2 have stump of the pine B.T. to M.C. No.10,140-25. From M.C.No.10, 2 pace $3 / 4$ mile west but find ns B.T.S. John N.Curo. Thursday That.51.91. As thartin Denver, Hawk of Sima PD, camp 3 paine Ire, Spur or Shovel Lake 1.0., Las a contract to cut out a mile of County on N. side of Rec. $9,140-25$, he. Cannot fid the lire and may want me to survey it. At corner to $4-5-8-9,7.140, \mathrm{~kg} .25, \mathrm{H}$, notes call for:
13. Oak $5 \mathrm{~N} 71^{\circ} \mathrm{E}, 25 \mathrm{lko}=16,50$ feet: Aspen $10564^{\circ} \mathrm{E}, 35 \mathrm{lko}=23.10$ fact.
aspen $7523^{\circ} 30^{\prime} \mathrm{W} \cdot 20$ les $=13$. 20 ft: Wipoine $10 \mathrm{~N} 47^{\circ} \mathrm{W} 23$ ko $=15.18$ feet.
On Tet. 25,1912, Harry S. Toil found all four hines from which he set a stake but dit not think it necessary to put in neo bearing trees.
At $1 / 4$ bet. secs 4 and 9, T.140, 色.25, $\mathrm{U} \cdot$ S. notes call for:
W. Mir. $6579^{\circ} 30^{\prime} W, 34$ lis $=22.44$ feet: $N$ y pine $4 N 79^{\circ} 30^{\prime} E 6 \mathrm{Ckw}=3.96$ feet. On fan- 28,1912, Harry S. TDd found the stump of the Wp marked "B.T." and the brick wide the figures grown over. Ah the cor to $3-4-9-10, T, 140$, Pg.25, w. Si notes calefor: Tamp 8 N650E 25 . $100=16.50$ ft: Th. Wine $8565^{\circ} 30^{\prime}$ E $57 \mathrm{lke}=37.62$ feet. Why genie $9542^{\circ} \mathrm{W} 16 \mathrm{lk}=10.56 \mathrm{fti}$. Tank $8 \mathrm{~N} 28^{\circ} 30^{\circ} \mathrm{W} 33 \mathrm{lko}=21.78$ feet. On feb. 4,1912, Thetger, Thourow and Todd found that the sw 9 sE trees had fen grubbed out hut pound the "B.T" Mark on NE tree and roots of the $W$ tree from which they set $a$ stake with new B.T.S. - viz

En account of a big scorn $\Rightarrow$ decide to wait awhile before purveying this nile and Con Thetger drives meto Shovel Lake, where 2 get dinner (35k) and take train to Case Labe: Fare $\$ 1.12,9$ pray Thetger $\$ 2.00$ in full for ford.
Arrive at lass Slake and walk out to Biff Suwureacie farm and stay over night with Dan Haureaw. ;on NV. Curd.

Thatch 6:1914. Check notes of the above purvey and prepare to return to Wacker. Gohn NF. Cero.

$$
\begin{aligned}
& \text { Surveyed - Tharch-2,1914-Tharch6,1914. } \\
& \text { Recorded.- Men 27-1/6 }
\end{aligned}
$$

## bounty Rurveyor. Lass Aunty Iteinnecoti

## SUAVEY PECORD № 304

## T145 R 28 SECTIONS 26-27-33-34-35 T144 PG 28 SECTIONS 3-4.

- Biel notice of the survey and establishment of comers to ec 3 4, Hope.1At, Reg. 28, and neve.26, 27.3.3,3,1,35, Thy 145, kg. 28, as purveyed thin Tot ur wa Curd, County Purveyor of cars County.
They 21,190.7. Se ave Case \&ike attis 5AM Grave at Bema at 2:A.M. Neupi until I:A.M. Thiddeton got But Link and charlu Peak as ape and chain men
 35T.1451.g. 28 . where u. s. notes call for a post and the following bearing thees.
 Time $6 \mathrm{~N} .00^{\circ} \mathrm{W} 16$ link $=10.56$ sect Cedar 55.550 M 19 link e $=12.5 \mathrm{t}$ tech We find ale the tree standing queniond plainly $m$ marked and as they are come what ont of place vi establish the Coiner thy proportionate measurement arid Courses

 ridge, var reads $g^{\prime} A_{5}^{\prime}$. At 1320 ft ret hut in revamp far tempe yob ear:

 hut in tag, from which the it coiner as we Have established it for temp, can stands $N 88012 E_{1}, 22,70$ ft distance making the length of the line 2053 . si feet This $1 / 1$ coiner may, however have to be ret further s as the beaning trees do wot check for course and distance given in the u. S. toter fo thin Ne curd
 - Note call for post and the folloiving bering tres:
 The find both bearing tree plainly marked but as they are out of place we Cannot pee the $1 /$ ct according to frit notes, so Ret it by intersecting the line from the two hearing thew as given in the us sister after which the old bree stand as follows:
pine 7 inch $N 12^{\circ} W$, fo 80 feet. If Heine 6 inch N $15^{\circ}$ E, 6.2 .60 .feet
set a large stake for the temp It Comer and search for the remains of the old post set by the us surveyor as 2 believe it originally set gerctier south. til fame Thiddletord about this and he ague to seared fourth South for this stake as poon as the water goer down as dd if he finds the old stake vie pet my post over to where he finds the old corner and will correct typand changernif line pe as to fit the true corner if the same can the found. From the corner gust Ret we nun West thru send 3 on $9010^{\circ} \mathrm{Var}$... At 337 set the on little so froth ridge in purim: at 1220 leave sivany, ak 1320 set the for temp. $1 / 6$ coiner in center of Elalf of see 317 at 1620 set hest: At 1700 enter vamp: at 2640 set hut for tempi. Centre of rec 34 in swamp: at 2700 leave simp: at 27.56 sit hut: At 284890 pet hut on hill: at 29.25 croon main stag hoad At 2475 enter swamp: at 3.33 leave swamps: at 3376.20 set she an hill: var reade $9^{\circ} 25^{\circ}$ : At 316.5 enter prangs: at 3960 set her in twa me for tamp. $1 / 16$ in eentiv of $w$ half of rec 34 , quit for night the are using anew Heuffel and Esker engines transit belonging to Sere and so fort neil tape belonging to domes Wo. Thidoletoni. Euro



Thay 23,1907. Same Crew continue West., Var still reade 9025'E. At 5110 leave scvanye: At 5204 W ret hub on ridge: At 5280 W set hest: the trued $11 / 4$ Conner stands 5801 E 72 feet distant, making the total length $E$ o $W$ thru. $\sec 34,5270$ feet. At this paint being the $1 / 1+\operatorname{cornen}$ bet secs $33+37,7145, \lg$. $2 \dot{8}$, U.S. notes call for a porch and the following bearing trees: Pop 8 inch, $N, 32^{\circ} \mathrm{E}, 40$ links $=26.70$ Lech: N. pine 16 inch, $5180 \mathrm{~W}, 70 \mathrm{lk}=76.20 \mathrm{gA}$ We find both hearing trees standing plainly marked, tut in establieking this $1 / t$ post the hearing trees do not git the fried notes. The y. pine called for in the U.S. Notes is a 16 erich white pine, $N 18^{\circ} \mathrm{W}$, no links and Pop. 8 inch, $532^{\circ} \mathrm{E}, 74.90$ feet., at $8^{\circ} 40^{\prime}$ Var; at which point 9 set my new $1 / 4$ stake. In setting this $1 / 1$ stake 9 simply g reverse the courses and set tho blake at the intersection of the lines. Quit for diviner.
PM. We begin at the $1 / t$ yest on the $N$ side rec $3 t$, being the $1 / t$ car bet seed 27 and $34,7.175, \mathrm{~kg}$. 28, where ur. noted call for a post and the following bearing trees:
Pstuble inch, $513^{\circ} \mathrm{E}, 48 \mathrm{lhe}=31.68$ feet: kerch 3 inch, $N 60^{\circ} \mathrm{E} 18 \mathrm{lk}=11.88$ feet. The find a stake set for the true $1 / 4$. car by y former County Necrveyor, tames M. Canfield with new bearing trees and I take courses to the new hearing trees: Which were made by mr. Canfield at $10^{\circ}$ Magnetic Variation East as a Theridin:
Spine 8 inch, bus $574^{\circ} 15^{\prime} \mathrm{N} 30.70$ feet: g.jeine 6 inch, N6103'E, 8.20 ft . and from the $1 / 4$ cor. I run son enter line. Btu sec 34, Var $10^{\circ} \mathrm{F}$ : At $\rightarrow 72$ sethut: At 510 ft. Sinter swamp. Var. reads 10 $15^{\prime \prime}$; At 948.70 ft. $\operatorname{sech}$ hub on 50 ft poplar ridge: At 1320 ft. s set hub for temp $1 / 6$ in swamp near center of $11 / 2$ of sec $34: 1640$ leave Revamp o and Cross stage Road, War. Reads 10. At 1733.20 set lieut on poplar ridge: At 1750 enter Revamps: At 1970 cross 20 gt. popular ridge: At 2513 cross one $E$ and $W$ preliminary transit line 2621 Whf the $1 / 4$ post on $E$ Ride of sec 34 and quit for night. fo Mn N. Aus.. hay 2\%1907. Continue South. on random center line of Red $34,7195, \mathrm{~kg} \cdot 28$. Curs transit, Lob Link and. Charles Peak. Ave, chain and flag: At 2600 leave Revamp: At 2640 Ret hut for temp. Center of sec 34 on $N \notin S$ randone; at 2843.70 hut on little hill: At 3342.70 set hub: At 3606.20 s set
 set stake in Revamp: Quit for dinner. Deake quit at noon and we got a man in Misplace. PM. Bob Link and Ka-We-Ta-We-We-Dunk doth Indians. Are and Chain. Curotransit, continue s. At $43 \dot{0} 5$ leave puainp. at $4429.80 \mathrm{ft}, \mathrm{s}$ Ret hut: At 4113.70 pet Rub: At 4725 enter Revamp: At 5280 ft .s Ret hut in swamp. He $1 / 4$ poet on the $5 \operatorname{side}$ of. sec $34,7.145,0 \mathrm{gg} .28$, cannot he found. At this point U.S. Notes call for pooh with no bearing tied we do not find the post and quit for night. Won W. Duro.
Thay.251907, we go to the comer of pecs 33437 , tuge.145, pg. 28 , where $u$.s. notes call for a post and the following bearing trees:
Y-yoine 9 inch, $N 23^{\circ} \mathrm{E}, 36$ links $=23.76$ feet: $Y$. pine 10 inch, $N+0^{\circ} \mathrm{W}, 12 \mathrm{lhe}=7.92$ pt: The find both breve in good condition and fy y setting the stake by nexucxpent from the center of the trees they check out fine for course at ${ }^{\circ} \mathrm{V}$ Var. This is the $N$ boundary of $\sec 4,7 \mathrm{Top} .147, \mathrm{eg} .28$, on the 11 th standard pacalelh and from the stake just pet we runs El, bet secs 4937 on $9^{\circ} / 5^{\prime}$ Vav. E. At 19.1
center of stage road: At 700 fth. E enter scamp: At 917.20 ft.E tack in tam root: Let 1006.50 gth . Ewe look for the. N. Corner to eco $394, T 144$, eg. 28, being the Closing. Corner on the II th Standard Parallel, where uss. notes. Call for port and the following fearing trees:
Tamp 5 inch, $512^{\circ} \mathrm{E}, 17$ hinge $=11.22 \mathrm{fh}$. f. pine 6 inch, $5.85^{\circ} \mathrm{W}, 206$ lees $=135.96 \mathrm{pt}$. Zue.find nothing and Continue East tet. secs 3434. It rained and we quit at mow. Peale, rablink and Curs work one half day

They 26,1907. Peake, Not Link and Curs still on the job, Continue East bet secs 3934 , on $9 \% 5^{\prime} \mathrm{Var}$; At 1320 set stake in Revamp. At 182110 set Rub in swamp: At 2264 . 50 set hut: At 2640 set hut in suvainp for tempi 1/t cor
 suvamp: At 4116 Ret hub; At 4681110 Ret hut on rill: Ah 5051 set hub At 5280 Est tut in swamp: The trues $\operatorname{sen}$ to pecs $34935, T 145, \mathrm{gg}-28$, being the N. boundary of $\sec \cdot 3, T 147$, ty. 28 , stands $22^{\circ} 46^{\prime}$ to the right 8.90 ft distant, Var reads of: Total length is 8.50 ft. too long and the Conner stands 3.70 fth. to the right. At this point U.S. notes Call for post and the yollowing hearing trees: See. Ash 9 inch, $N 22^{\circ} \mathrm{E}, 28 \mathrm{lk}=18.48 \mathrm{ft}$ : Re. Ash 6 in $1 \mathrm{~N} 59^{\circ} \mathrm{N}, 15 \mathrm{lks}=9.90$ jet. We find both beaingtrees plainly marked prom which we est a stake for the tue corner by flat chain fromm the center of the tree after which at $9^{\circ}$ Var. the tree stands as follows.
 Curs, Bob Sink, Charles Blake work. all day.... John Ni Curs.
Thay 27,1907. Peake, Bob Link And Cero Correcting up all the lines in sec 34, T145, kg: 28: Ah hub 2640 E on $S$ side of 34 the truce $/ 7$ Corner stands ER, $22^{\circ} 4,7.50$ feet. distant, where 2 Ret a good $A$ inch tank post 5 feet long for the true $1 / 4$ cor. on the $s$ side of sec $34,7,145, k g \cdot 28$, with bearing as follow: Tam 4"N $28^{\prime \prime} 5^{\prime} E, 53$ feet $\because$ Dead Tank $3^{\prime \prime} N, 58^{\circ} 7^{\prime W}$, S3. 50 feet. This post also marks the true $N$ boundary of $\sec 3, T 1 \neq 7, \mathrm{mg} \cdot 28$ : Bring $s$ on the center line on our random in sec 341 At 5280 s the new by cetablished $1 / 4$ post stands $N 67^{\circ} 05^{\prime} \mathrm{W}, 113.50$ feet: Then following the random center line tack $N$, tub 3640 goes $N 67^{\circ} 05^{\prime} \mathrm{W}, 56.75 \mathrm{ft}$, as true North and south Center line. and at hue 2843.70 s we rus $N 67^{\circ} 05^{\prime} \mathrm{W} .61 .13$ feet. There two last tubs fix the true Nos center line of sec.3A, Total length

 Mg. 28 , it may Change the length of thee lines thru the center of pee 34, as to
 fare. To correct the $E q$ w center line of 34 and to follow my transit line 5280 ft. 2 the true $1 / 4$ corner Let. 33934 Rete $8^{\circ} 10^{\prime}$ E, 72 Lect. Correcting back Each at hilt 2640 W we run $58 \% 10^{\prime}$ E, 36 feet, and at hub 2848.90 W to Mum $5810^{\prime} \mathrm{E}$ 38.85 feet. The total length of the $E N W$ center line of sec 34 is 5269.70 feet, the East $1 / 2$ being 2671.40 Lech, and the $W 1 / 2$ being 2598.30 feet.. Thy preliminary on $E$ and $m$ center line of Rec 34 , at W Ride of section is 71,20 fl. Loo far North. we set the enter of sec 34 at a point where our Corrected N, S, E4W Corrected lines intersect.
Setting transit on hut 2640 W , the center If 34, as we have letiblished it


304-cont.
in the center of the E1/2 of pec $3\{$ Setting transit on 2 of ow, the Center of
 52.80 ft, where we pet the the in the cexternof the $N / 2$ of pec $3 t$ var reads so so.


 Dp. 7 inch, $N 68^{\circ} 50^{\prime} E, 95$ fog Burch $\operatorname{sinch} 570^{\circ} \%^{\prime} E_{r} 10$ io feet l al abram. Let the 116 in center of $E 12$ of sec 34 , 2 set nev bearing ar zolloure.

 Et tho tech, amp mark new bearing as follows:

 10. Middleton to try to find the $1 / \operatorname{con}$ er bet pecs $3 \neq 455$ which 9 believe ta te Further $s$, and which iffound would Change these corners somewhat. In Changing there corners it wived not fe necosany to make another purvey, fob they could be ret auer by calculation according to the distance the If conner would be off hetipecs 39955 Later 2 receive a letter dated dune is, io 3 Th om tames D. Thiddleton stating that ha was inclined to think that pome one Had Ween tampering with the Carneri as 2 -had placed them and o received another letter from Mr. Middleton, dated forby, 6 in os, in which he states that Fe found the Remains of the old 21 . S. stake h feck s of a betake puppooed to theveteen ret by me for the $1 / 4$ cor bet secs 37235 . There must be pome Mistake houruer, as the bovernment stake bowed rathe bit feet s of where g originally located this $/ 4$ Conner. 9 write Middleton to examine guy stakes ans make any necesaiy corrections, but have heardinothing finther in regard to this purvey.... I John N. Quad. Surveyed pay 21,1907 to may 27,1907 decided tee $29-16$


## TWP. 140.N. RG.25.W. $5^{\text {TH }}$ P.M. SEC's. 7-8-9-10. TWP. $140 . N$. RG.26.W. $5^{\text {Th }}$ P.M. SEC. 12 .

Fill noter of the purvey and setting of comers and stakew and seach for oed sovernment is taike and hearing treew in secs $18,9,10$, townenije 170 , elange 25, and seci1, Twp. $170,0 \mathrm{gg},-26$, baing the survey of a paot of a County road which tegins at the's yest det seco $9 \times 10$ and runo $w$ on the center line of reas $9,8,1, \pi 170,0 \mathrm{~g} \cdot 25$, and thue sections 12011 , $11 / \mathrm{p}$ = py-26, connecting with the state orural Atghluray no. 83 , at the $1 / 1$ Con. det rece 10411 , T170, reg. 26, as surveyed hy alois Towak, Cirle engineer, undes the direction of fo tho w.ewro, County purvegor, Cass County, Neinnewota. Thursday on. 71916. Cuns and Alois rowak work in office in l Malke all day on field notes necescary for this survey. Howate bo arde at Hodel Chave in walker.

Friday Dee. 8,1916. Alois thowak leavies walker on M\& Itrain at 3:An eviviver at Hemidji at f:10 A.M. Re.R. fare $69 A$, Bed and Breatfact at itotel Thaik Lam. Hatel till $\$ 150$. Seave Bemidji at 9:7.5 A.M. and avrive at 7 oderal Dam II:A.M. TP.R.fare via Sac line 83 t . Dininer at standard thatel. Nowak stopes off at 7deral Dam to get an Engrieerí transit which wao left on Sugar tocit when te surveyed yeart of the Sugav Dinct-7ederal Dam. Road, and the coet of going aftar this traniit shoued de clanged to paid Sugar Point tooad. Nocoak vike make no eharge for his time or espense yor o- day bit wile elaige the coit of the livay to said Nigar Goint Ooad. In N. M. Thu foe Thiles and his ford takes howak to fedyis pplace on Sugirtbint. Nowakis noter read as gollows:
9 get survay out fit and get bacte to Federal Dam at I. PM Suppen and oven right at Jederil Dam. Sijned- A. Nowak. Siturday Oc.91916. Breetffast in hotel and Seave Ftederal Dam. II A.M., via Soo. Dinner at Demer, 50 Cente. Arrive at Rhool Sake at $1:$ isM. 10. Re. fare 694. Sot tiam from 8. If. Dugmee, the lotel man who drives
 Thme. $q$ wokk on filld notew in afternoon pichardo returns in the evening and wice assint in survey and get tho or three mex. Qver might with Deichards. A Nowa\%
Dlec, 10,1916. A. Nowak transitivan, 8.7 Cichards Chain and flag, Chie ptinhart ateman, Cortin Young-chain. Howard Parker-ayeshain, nowak abo chaining. We walth to the It con bet sece $9 \times 10$, T.170, Dg. 25, on 2 end of graded road, whidh ruens thrue the centor of sec 10 . This laid out road turns on the $1 /$ cor and runs $N$ on the ree line bet 9 s 10 . U.S notes call fonjost and the foleouring learing trew: asp. $6 \mathrm{~N} 9{ }^{\circ} \mathrm{E}, 29 \mathrm{lh} \mathrm{H}=\left(=15.84\right.$ Yti in ree iot y. Pine $3,520^{\circ} \mathrm{W} 10$ eles $=(6.60$ gth in sece $)$ There bearing tree have dimppeared. I set a hut at the point of interection. of the road running $N$ with the hoad running East. From this hut set for the Vt con Let 9410 , 7.170, 09g. 25,7 inch, Now joine marbed "It Rec" Reto 57.70
 @ 100 ft W sebpin at foot ry hille: At 200 set poin on tige of hiel, thence doun hile: @ 3009700 ket pin: Q1705enter, open pwamp: Q 55 - enter thick tank swamis:
$@ 807.15$ set hut and tack:@1285-enter high land; with high poplars anil prick @1300 feet w Ret pin: @. 320 feet w set hut and tack, lunch in pied - In PM. Conthine vest: @1700 ft.roct pin Mining up hill:@1995drive tack intoloy @2110 down strep hill:@2200foot of hill; thence uphiel.@228.50 fectiv dive tack in log!@2290tojo of hill:@2300downahill:@2500onlevel land:@ 2640 set the and tack. near center of sec 9, @ 2800 Whet pix: At 2808 ft. W drive tack in log: @ 2900 W sep pin, running down hill: @ 300 osset pin, enter Tamp swamp: At 3100 Ret pin, leave tank. swamp: @ 3300 set pin, running uptielp; At 3338 cross logging road bearing SW and NE: @ 3400 set pin: At 3428.55 drive tack ix log @ 35.00 Ret pin. All yoins are word stakes, numbered. progressively and set every 100 feet. Quit for night. Dhs. Richards cones writ h team to take us home. All get in full day. Bowiding with Dicharde.

Dec. 11,1916. I. 7 . Pichards-Chain and flay. C. Steinhart, Harold Porker-Qpemen Corbin Young-chain. A. Nowak, chain and transit h Richards drives wo with his team bo $1 / 4$ dou bet pecs 9 and $10,7140, \mathrm{~kg} .25$, then we walk along our random lind to gain 3500 feet. Where we finished yesterday, Continue west. Needle reads $8^{\circ} \mathrm{Var}$ W. @ 3600 ft.Wket pin: @ 3700 ff.W set Leland tack: @ 3800 et pin, line starting down hill:@3900 set join, enter sivamp:: @ 3960 set hut and tack: @ 3990 gt. w leave scamp, enter highland with yojolar and birch: @4000 set pin, line starter uphill: @ 4300 ft W sep jain on edge of gully; @ 4400 W set pin across gully: $@+20.20$ drive tack in log on ed ge of gully: e 7500 W , set pin on bottom of gully: @4600 ft. V sep pin on opposite edge of gully, line running up hill. @ SD 6.6.50 drive tack in log, line running down hick: @ 5200 ft. Ret hut and tack. At 5300 ft W. drive spike in ground: @ 5321.15 ft wa post pet as the $1 / \mathrm{t}$ car bet
 Cruiser as a paine post four inches in diameter and about 6 ft long stands for the Y4.corner. He upper three ft. of the post is squared and plainly marked. "I/S 5 ". The government notes call for a post and the following bearing trees:
Winch 10 inch, $511^{\circ} \mathrm{N}, 10$ les $=6.60$ feet: Birch 6 inch, $N 110^{\circ} \mathrm{E}, 38$ lea $=25.08$ feet A. Richards who is Chairman of the Town Board has the field note which he say the Town Board ordered from the land Office in Washington, Said field notes called fol Spruce 10 inch, $54^{\circ}$ E, 54.12 feet: Pine 10 inch, N34 W, 34.93 feet. And ales the Birch bearing trees given in my notes. The spruce and yeine are here green and plainly marked, th' to my notion of more recent date than the original U.S. sural, The tin inch frich was cut down, the stump is $31 / 2$ th tall, plainly blazed. The six inch trick Rems to have disappeared. The distance in Courses of the bearing trues to the post check fairly well. Dinner in field. In Rim. we Ret ufo on $1 / 4$ pood bet secs $849,7.140, \mathrm{Mg} .25$, and start a random line $W$ thru sec $8,7170, \mathrm{geg} 25$. About 120 fth of the post we find an old jeichett which sets in the center of ain old cut out hire, so 9 decide to run along that line. Needle reade 6\% Var. E. Sine runs uphill. At 100 ft.w.eet pin on top of hill: @107.50 drive tack in log:. 165 enter gully: @200 set join on baton of gully, line runsup hill: @ 587 ft .W drimetack in log: @.800 ft.rrest.jein: @ 87760 ft. $r$ drive tack in log: At 900 ftr line starts down hill: @1189.70 drive tack in log, line going down hill-, very strap hill side: @ 1300 fth set jain on foot of hill. line ptavteyp hill : @1320 Rcthut and tack W: @ 144825 ft. Nr drive tack in log: @ 1579.50 drive
 dive tack in log, inc tart dom hill: @ 26.0 W set join on foot of hied, Gook to the hood. Wee continue our transit hiring straight a head 2700 set pin on tope of Hill: 0.2701 .50 drive tack in log, a wee fence baa Eland win 20.75 fut. a 2900 W set gin, the last 300 piet io on level land, Line starting down hill. @ 2932.10 drive tack in logy, and grit for night,
staying with Richards. A nowak. Staying with Richards A Nawab.

 Nor each fol west: wu correct the tache driven into loge and the tuba ing - pet the Correct points $3 \times 3^{\prime \prime}$ square oak an going goats marked 'road Center"' shit

 Aq. 89 ft : 7 fak 3428.55 W goes N 60.92 ft . Hut 3700 W goes N 65.71 fti that 3960 W
 5200W goes 192 , to ft Spike 532115 W goes Nas 55 fti Git for dinner
In PM me walk to tack in log 293.2. A0 ft $w$ on o uv random thru Rec 8 , and contiu Whit: @ 300 oftiW set pin, line going down hill: @ 3100 set join at foot of hill, line starts up line: @ 3300 w wire fence bearing EAW is still following over line 20.75 ft N.@3400 W set join on top of hill!@3452.95 W drive -tach in log",



 set s 89 ponces thin stake marks the send of the rood. At 3 neo Wet tue and tack. Guikfor night. Signed a nowak.
Her. 13 , iq he Vrineday. C. Young Chain. O steinhait flag to ward tacker and $M$ o'heil axeman, Howak transit and chain tue wale hex s 160 fth $n$

 pin, foot of hill: Qs300-petpin: Nine running on level land @p100 pet pion: e 497.6 .1 dive tack in log.' e 5000 pepin, line still going an level hand:

 T. 1 to, pg. 25, Where us notice call for port and the following hearing tees:
 The two additions bearing tries Mr. IV. Pichande les in his field notes, are: Tank finch, $N \neq 5^{\circ}{ }^{\circ}$ 33: 66 feet, why pane $q$ inchiv $550^{\circ} \mathrm{N} \neq 888$ feet vie find a $21 / 2$ 21/" pone post z feet above ground and marked "I/ sec" set by Buy $A$ Ind, They ie th, $1914^{\prime \prime}$ The tank has teen blown down, but is plainly llaged an the vide whin mist have faced the posh ensile the tome tow standing. The sw why genie hus been cut down, the stump is pound and show plainly the Blaze with the tack in it... The 5 inch $w$, pone herring the NE binning tox, has ale been ext down the stump is pound and phowspamby the laze and the old BT Marks, ph inch Erich tia diappeaied.
we chick the distaince in courne to the hearing trew and find thern perfect


 lene stacto up-nile: © 96o top op hill, line going over bevel land: a voctios drive
back in by:@1320 set hiut and tack: © 1662.62 drive tag in lay:@1730

Dew14, 19/1. C. Joung chainmax, C Steinhast haim and Play, Ma'Buieniq As. sarker oxtmen: A hovok tr ancit andehain. In a M. we wack to pin 180 ftt 1 N of thelt corner het recs $7 \times 8$ and continue our line w thum ses 1: @ 1000 W ret poin.'e 200 ft whet pin: A little lake in ätrit tooft s foun line: 2200 leave tay
 voad. @ 2800 pis, set, intertall joiplas and huish going dion till, $3 \% 1$ enter Chect: d 3,122 leave samel be 3 200 oet pin, hine starto up hill at 3900 set pion on top of hile: @ 3931 crove log road burs NWX SE: A 3960 sit huk $x$
 diviespibe in grovind: We have retstake rumbered jprogneraciicly everyroofict along this hine @ sisis s. flim the post set fon yp cainer on the



 dry otump No fut high, shoiving the original uns. B. T marka plainly this cedan stump is inace up with a pine jole on the side friming the post and
 a half decajed larye pine pole prom viich the eourae and distance prom the
 set By course and ruait distance from the B.T $\theta$ mark the jeret "Is sset by A. Dowrek, Nec.17,1916"and ta be the neiv tearinge as followis:

wh yine stamp $20^{\prime \prime}$ Nouth $=3$ fect
 criosed with the 3 miles of nandom line just run anierage in teight from 5 to so fect. quit for night alloware

Lec, isitpio Cyoung ehain, C. Dteinharh flay MO'Brien aid Atoward yiskien asemen, Nowat transih and chain, twe walk talta cos on meide of pec Tand coirect oun random line we correct the hube and the lacke we have driven into loge and at the corirect point we ret $3 \times 3^{\prime \prime}$ Oak on porie post marked "Road cinter" at 518935 fl W the $1 / \mathrm{ccon}$ on wride of 7 neto

 10.14 .15 W goec $N 39.88 \mathrm{ff}$. Jack 56.8. 15 W goes $N 22.32$ fiet.

 s $316 \cdot 10$ fect On account of the connection theing retther lange 9 reoolve te run a trancit line on the trive E and w1/4line thuc sec 8ition,

$305-\operatorname{cont}$.
and corrects, 300.02 ft: The correction bering: 0.060282 of got. 5 for each foot west. We et a hut and tack at this correction, then we place a tall red flay behind the $1 / 1$ post bet secs $7 \times 8$. I set up on Corrected hut 797 n.68, hack sight on Ned flag on I/A post and run a carefull transit -line E without Chaining, using dowable centers and setting a hut at about every 700 fut. Tue set a pickett about every 2 ob feet on W side of instrument, correctly on the line. Tue run this transit line as far as pin 2900 W on our random live, zurich
about 64 paces to the North at this point. Quit for night. The.
Richards comes with team to take ievivey outfit to Nix jelace. In the evening 9 make out pome of the bills for Case County. A. Nowaje

Nee. 16,1916. In $A$.M 2 wore on field voter and voice to Corbie Young' place who is Clerk of Rmofey Follow Townohije, and have him sign the bile. B.7. Richards td Res me and sevway outfit with team to Shovel Lake, where 9 leave at 2: 70 PM, via Sop R. le. Arrive at Bemidji fils PM. Nid.fare \$1.A1. Supper at Hotel Sharkham, 50 events. Leave Bemidji at 11 25, via. Mo i, p. R. Fare 69 cento. dee 17,1916. Sunday. Arrive in Walter at liAM. Ked and board at Hotel Chase. Thorday dec. 18,1916. Work ace day Checking up and witting Notes on Survey of County Road in pecs $7,8,9,7148, \mathrm{Ry} .25$, Smoky Follow Arwnehije.

Surveyed, Rec. 7,1916 to Rec, 18,1916.
A. Nowak, Assistant EngineeR. Pass County, Thinnesbta. Recorded. Nee 30,16 .

County Surveyor,
Cacofonty, Thin
taco gusty, Thinnesota.

## TWP.136-RG.29-SEC's 7-9-10-18-19-20-21-22-27-28-29-30-31 <br> TWP. 135-RG.29-SEC'S 5-6 <br> TWP. 136-RG. 30-SEC'S 24-25-36

Field notes of the survey and establishment of iron monuments
 Top. $136 \mathrm{~N} . \mathrm{Rg} \cdot 29 \mathrm{~N}$, and pee $24,25936,7,136, \mathrm{~N} . \lg .30 \mathrm{~W}, 5$ th PM. as purveyed and established hy 6.73 . Horst, Deputy County Surveyor, under the direction of John
N. Curs, County Surveyor. W. Curs, County surveyor.

Tuesday tuv.14.1918. I am warping for Loon Lake Tuba, 136-29. Set notes and plate and purvey outfit. leave walker for pequot $9:$ is $A \cdot M \cdot$ Train, via. $M+I$ RAp. fare 85 cento. In siM. The. Dey Arlderson taker me and outfit and 15 Mon Monuments to Thad C. Anderconix place ix the sW quarter of sec
 notes call for: ( $L$ to $V @ \neq$ ).
 The uss. Hearing trees are gone but 2 find the manufactured 8.7. marked with a large sized scribe. I Mass it up as nothing ehketer. Nay with M.C.
Anderson over night. Signed E. B. Horst. Anderson over night. Si Mined E.B. Tito ret.
Yordnewday Hov. 15,1916. stores with compass chain and field notes, Thads.C. Anderson with team, wagon, tools and iron monuments. Tobias Ny e (Chaviman of the Town (Board) and Lam Arkland (also board member) assisting. vet begin setting iron monuments at the cor. to pecs $19930,7136,0 \mathrm{~g} \cdot 29$, being the cor to Reck $24+25,7,136$, ing. 30 , where $u$. S. Notes call for a peon and the following bearing trees:
Week. pine 11 inch, $N 10^{\circ} 3^{\circ} \mathrm{E}, 25^{\circ}$ les $=16.50 \mathrm{ft}$ : klk.jeine $12^{\prime \prime} \mathrm{N} 52^{\circ} 30^{\circ} \mathrm{W}, 20 \mathrm{lh}=13.20 \mathrm{ft}$. Bek.yoine 12 mich, $579^{\circ} \mathrm{W}, 65 \mathrm{lhe}=42.60$ It: Blk. pine $10^{\prime \prime}, 547^{\circ} \mathrm{E}, 34 \mathrm{lkR}=22.40$ ft. P Pink the sw hearing tee in Rec 25 with the marks nearly all act gif, and 2 also find the stumps and the note of the other hearing trees, which check with notes Where are abs 5 other bearing tres marked at the corner. I find a stake at the point for the cor, where 2 drive a $21 / 2 \times 78$ inch capped iron. monuments with neat learlinge as follow os:
 Ho ene. $10^{\prime \prime} 556^{\circ} \mathrm{W}, 65.30 \mathrm{ft}$ in sec 25. G.jeme $10^{\prime \prime} 562^{\circ} \mathrm{E}, 37.70 \mathrm{ft}$ in sec. 30 .

This conner is about in the center of a cross road. We drive son graded road $1 / 2$ mile and find hearing treen to the $1 / 1$ cor bet secs. $25930,7136,0$, 1 . $=9$ 9.30, where U.s. notes call for a pooch and:

Pine $10^{\prime \prime} 582^{\circ} 30^{\prime} W_{1} 12 \mathrm{lh}=7.92$ ft: geine $10^{\prime \prime} 544^{\circ} \mathrm{E}, 21 \mathrm{lke}=13.86$ feet. we. find the SE stump yolainly marked "B.T." The marks on the sw etumpe is burned offi, but the blaze shows plainly. Aturge checte for cone and distance. 9. Ret a $2+48^{\prime \prime}$ ivion Monument with new hearings de foecown:

Hoe drive 5 another $1 / 2$ mile to the cop. of pecs $25,30,31936$, bet toper 136, ky 21, and Tuge.136, teg.30, where UTs. notes call for a poos and:

 If ind the SE stump sadly turned and find a part of stump token off bearing

Somi pribe marp and land ownër seior buy idinitify the powition of the other




foblowing thearings: $O$.

 Hind ale the hexung thece which Cheik perfectey urith Purio Noter, and 2 akeperid novts of stump mentioned cin hie notes and pet a ztors." moniement at bhe trice Coiner, diciving the inon inoniement theic the point of thi wood poot. I re-mark puro thearing trees by driving a tock the lower blaze. then drive $N$ onemile to the car of seca 29,30 , 31932, heing another cor istabliohed by Curo with the following bearings: teing ald soit tries biing re-maiked:

 Hel check perfectly with curos noter, and with the U. S. noter, except the NE add sE tree which wie do ehecte for distance with ui.s. noter.: Whe dustance heing proportianated bry curo at the"time he extabluehed the Corner. He NE BT' has been brofen off and 9 remark the ptumpi..... All the tree are standing an called for in Curoin notew. I set a $2 x \neq 2$ ". frox monument - at the cor establided by curo for the twe comer te secs $29,30,31 \% 32,7136,0 \mathrm{giz} 9$. Ancland dole that work in pM. The Hh for night and drive to Mi.C. Anderionic. E. H3. to act.
 Bye Carrying tove and inons we walk to the cor of pece 28,29, 3.2 23 , 3 , Tisbog a 9, where uis noter eale for joost and:

 Nel are gone. Th. A. Mh. Krampe teles us where the corner used to set, bet noktumpeo or trees cheak anywhere ivith thoit notex, ies ayeass thi Corner eyp and vie: wale to the coiner of pecs $21,22,2,7 \% 28,7136,0 \mathrm{p}, 29$, Where US notes eale for a yoot and the following fearing tiue:-
 Mip pine $10^{\prime \prime} s^{\prime} 47^{\circ} W_{1} 35$ lks $=23.10$ fti Nipine $14^{\prime \prime}$ S $65^{\circ} E_{1} 11$ eks $=7.26$ feet. Ae ppruce is gone but the ptumps of the three other thees ptice iemain Ahe s.E and s.W stumpehearing the B. Tmarks badly burned: A Tho poine 18 inch plainly.
 Fset a $2 \times 4$ Eion monument werl new Learing treis Reing:

 In PM Mn, M. Q Onderaon takic hio team and ure drive to M.C, No: 27, on the




The SE tree stands green and jelainly marked; The NW the is gone and from the
SE tree $\operatorname{I}$ set the Corner at 8* $46^{\prime}$ Var. From the center of the blage. The corner SE true 9 set the Corner at $8^{\circ} 4^{\prime}$ Var. From the center of the dlage. The Corner F pet is a $2 \times 78$ " iron monument._to which 9 nark new hearings being N.jeine 22 inch, $56^{\circ} \mathrm{F}, 31.02$ fry, thing the 21 . S. bearing thee in eec 29:
ni. pine 4 mich, $N 43^{\circ} 30^{\prime} \mathrm{W}, 31$. 30 ft. in fec 20 . Ni. pine 4 inch, $N \neq 3^{\circ} 30^{\prime} \mathrm{W}, 31$. 30 oft. in fec 20 .
Wee then drvie to M.C. No. 27, on NW side of Sibley Lake bet-eecs 9910, 7,136, Dg. 29, on County Line, bet. Cases and Cow thing Counties, Therinesota, Cohere U.S. Notes call for a post and the following bearing trees: Blk. paine 12 inch, $N 35^{\circ} E, 75 \mathrm{lk}=49.50 \mathrm{ft}$. $\mathrm{N} \cdot \mathrm{juine} 18^{\prime \prime} \mathrm{N}, 82^{\circ} \mathrm{N}, 70 \mathrm{lk}=46.20$ ot. Ifind the NE the dead but plainly marked, ales the ptempe of the old NW tree. The 13.T. being badly burned. The measurement binge this Corner at the Waters edge of the lake, but the Courses seems to Lave been turned from. $3^{-}$Var: At this var. the trees check for coccree and distance. I pet the earner buy feat Chain from the hearing thees and kit a $2 \times 48^{\prime \prime}$ iron monument and mark reurbearing trees. At $8^{\circ}+6^{\circ}$ War. the old B.T.S. Ret as follows

 The NE tree has been Cleared acvay in sec 7, but the stump of the sw thee in sec. 18, stile remains and is about 18" high with part of the 13.7. mark still plainly showing, from which g set a $2 x+8$ "cion Monument and 4 mark old stump of the sw bearing tree. A fence poos stands
North 21.60 feet. This of corner pets in the center of an Es A North 21.60 feet. This $1 / 4$ corner pets in the eenta of an Et w graded
wagon rout. Grit for night. E. S3. Horst. wagon rows. Grit for night. E. S3. Howet.

 to secs 24 th $25, T 136,0 \mathrm{~g} .30$ on the range line, and begin a purvey of o Town Avid to Mun E one mile on section line. Tue hun E on old roach. Var. $9^{\circ} 50$ 'E: At 1178.10 set temp. W $/ 16$ corner bet. sees 19930 i At1442.00E leave nard: At 1600.00 feet E set hub: At 2060.70 E Ret hut; At 2592.50 E. set hut and look for $1 / 4$ cor. bet. secs 19430 , volere usS. Notes call for a post and:
 All are gone and we continue sad. ALt 3110.00 E enter suramip: At 3314.00 set hub; At 3564.00 leave suvamp: At 3757.70 E et Rect: At 7500.00 feet $E$ set hub: At 5007.10 ft. E the iron corner to
 188.30 leet distant. At Station 5180.70E the corner seta s 73.100 feet. The uss. Chain for this mile is 5138.10 lot, so that one foot uss. Chain $=1.00823$ fut thy chain. Correcting Lack on this mile each hub goes. 0172 of a foot $s$ for each part $E$. Netting rad centers, the 500710 E goer s 71.10 feet: Hub 4500.00 . E que. S. 63.9 .0 fect , Hud 3.757 .70 E goes 553.36 ft: Nut 3314.00 E ques 54706 feet: The $1 / 4$ corner at station 2518.66 fit. $E$ goes $535.76 . f$ ti where we pet a $12 \times 48^{\prime \prime}$ iron monument being a oiler meubi with no exp ar anchor
$306-$ cont.
Tod pet for the stue.ift corner bet secs 19930 , Tojo 136, Pg. 29.
Hub 2060.70 E goes 529.25 fact. Nut 1600.00 E goes 522.72 feet: I he W $1 / 6$ cor bet secs 19 and 30. At 118780 E goes 516.87 ft. where we vet a $1 \times 26^{\prime \prime}$ ion monument for the true $W 1 / 16$ cor.
Sam. Arkland and amman whoiname 2 Hail to get work since 11 AM. This Conchedes the survey and we quit for night. E.B. Foist:

Saturday Nov.18,1916. soviet Males plate and wives notes op purvey. for Loon. Lake Township. In PM. Mr.M.C. Anderson with his lean Lacked me and survey outfit' to Pequot. Toe also return pis iron Monuments to the Pequot depot: 9 return to Walker via M\%I. OR. N. Fare 85 cents.
Survey begun Nov .14,1916, finished Nov.18,1916 E. SS. Horst:
recorded - pax, 2,1917.

County Surveyor.
Pass county, Dhininesota.

TWP. 141-RG.30-SEC'S 7-18
TWP.141-RG.31-SEC'S 12-13-14-15-22-23.24.
12
Fiell noter of the kurvay of the fongiclee
Shingobee County Poad ank the extaiblichmext of corncto in irectiosh $y$ and 18, thewnehipe171-Range 30 , and Rectione $1213,11,15,22,23,24$, Tounehije 121 , Hange 31 , Cass County Thinneiota.

Qctobir 2, 1907 forn $w$ Curo, transitman, Caught $3: 36$ PM train frome Pine River to Wialker to make pecirvey of paad.

Qctober $2 \pi, 1907$ \& got I.PBuphees thanacujpt fiel noter of Tug 171 ig. 31 and left walker on $a:$ is A. M train for tunteriei Niding, pe fare 2 cexta. Anner with pete Albeit and after dininer Pete Albert and opput in the apternoox looking for Rection corners. Found one fearing tree, bling the 8
 U.S hotev call for a poof and the folborving hearing tiece. Poplar $12 N \not \approx 8^{\circ} E$ Lilks Paplar $8 N 42^{\circ} W 3+$ lks

Pete Albert got in ite day. Auit for night Avernight with Albert sd o'thonnell OB Spencer. County Commispioner and ppencers daughtero took dinne al Abféta October 23, 1907. 2 was sick and did not get upo entil noon Aldert and hio mex did not warte on purvey in A.M-bit fised raad.
P.M. Afternoon 9 degien at the carner to pecs $13,14,23,24,7141, \operatorname{Rg} \cdot 31$, and Carefulby petting thin otake with the traxsit, finom the eenter of the one NW poplir tearing tree. Var $8^{\circ} 3^{\prime \prime}$, ve nun poich on $8^{\circ} 35^{\prime}$ Var and at 165 fet sethub: Thex we chain in the rough with compass purvey, 2640 feet $w$ and found the $1 / \mathrm{A}$ earner fet kections 1482 , where Unes. noter call for a pooct and the tolloiving bearing trees;
WP 8 inch, $S 75^{\circ} W, 2 q$ eks $=1914$ fech, $J P 12$ inch, $N 3^{\circ} W, 38$ eko $=25.08$ feet Ihen continue to 5280 ft $n$, but eoued find no hearing tree to the eorien of pece $14,15,22,23, T 141, \operatorname{kg} 31$ when $u$, wotis eace for poost and the foleriving bearing treew:
 fack pine 8 nch, $N 3^{\circ} 30^{\prime} E_{1} 134$ lk $=8844$ fect. Guit for night, pete Albert and Louic. Pelerson (albertíman) got in $1 / 2$ day in $M$ m su sevey. Quer night at Alberti:. This is the lach day albert or tis man is to work on survey:
Actober 24,190\%. Pete Albert and 2 got ijp at 50 clock A. M. and walked to Walker. Arruie 8:05AM After peporting at the depot,"the tare-up, we focenl on the track, 2 go le the courk Houce is look up the records of former County Surveyor, Caxfieldi purvey of the Shingobee Moad, hetle coved findino patisfactay notes or jelah. Commiecioner spencer got thvo mein to help me on the purvay, asd we eaught the moining train back to Hunteria with Robent E Randael and William Dowling, wiono get in $1 / 2$ day each Lue all get dinner with pete albert and in P: M we go to the NW Cor of sec 24 , T14, by.3land eut line louth bet sec: 23029 at -35'Var: Trancit Rurvey @ 165 huot: @ 303 fh sethut: @8z3-90 fts set hut: @1049.90fh set huf: @ $13+4.30 \mathrm{ft}$ s cet hut; Thin carry brancit fack to NW Cor of pec 24 and ptart $E$ on $8 \cdot 35$ Uar, bet seco $13 \times 24$, e 664 fh. E set hich:

and quit for might. Robert E. Randall, William Bowling, and I got in
whole day each for Case County. Aver night with Albert.
October 25190 . Rand rel, Orin
October 25,1907. Randall, Doweling and 9 go back to hub 664 and contine transit line Eon landon hitch cess $13 \times 27$, $7171, \mathrm{Og} .31$, var. $8^{\circ} 35^{\prime} \mathrm{F}$. @ 80710 ft . Est hub: Var changes to $9 \%$, E, hit we Continue e our transit hive straight: © $1305,30 \mathrm{ft}$. E set hut: Then we take our compass and divines pails and walk to shingobee Dam and after cooking over dinner we loote for the bearing thees to the ear of sees 14.15, 22723, but could find none. We then took for the $1 / 1$ car bet secs $14 \times 15$, but found none and git for night. Doweling, Randall and 2 , one whop day and over night with Pete albert.

Cectober 26,1907. Robert F Randall, William Doweling and 2 start out to survey but after getting one half a mile from camp. Bowling and pandale decide to go to walker to get mittens on account of rain which started in this morning. So 9 take a run to pine Diver on the Morning train. Took dinner at home and caught the 3:36 PM. train back to thulli'. Over night with albert. Alpert wont to walker. Randall and Bowling got in no time, but 2 am going to charge up the day just the same as th' 9 worked, as it is hot my fault
thy quit. This was the last time o saw Randall.
October 27,1907. Sunday. Bowling got back from Walker at noon with Sergei foseph spot of 150 rile quest of toronto Canada, and we all got in $1 / 2$ day in P.M. we looked all afternoon for B.T.S. At NW con of sec 23, T.141, Dg. 31, but found none. Over night with albert. albert got back from walker late in the evening.
Cotober 28,190\%. We forced two bearing trees at the ir car of sec 23 ,
 we set up corppase at poplar bearing thee and run $N 85^{\circ} \mathrm{E}$, 66 feet where we set a tall poplar pole in the water for the true section corner to pections $14,15,22 \times 23$, but could rot meaccere North to the P. Pine on account of 75 fut of water. From this conner we run Son 8035'Var. Compare survey: @ 198 ft s set little stake ox side hie: @341 th s Ret little stake on top of high hill: @ 476 ft inter rect center of main wagon road, which hearse ExT on pection Wine between 22423 where we pet a good $4 \times 4^{\prime \prime}$ dry oak plug 2 ft long, drove wee into the ground. This pliny we mark 'rip. Not." Then he ginning at an old rooted stake set by Canfield in the $N$ edge of the road, it the NE quarter of the NE quarter of see $22, T 141$, pg. 31
tue, run $S 60^{\circ} E, 251.30$ ft. to A.P. No. I, on Rec line $W$ boundary of ce we run $S 60^{\circ} \mathrm{E}, 257.30 \mathrm{ft}$ to A.P. No.', on Rec line $w$ boundary of eec 23, a distance of 476 ft. $s$ of the NW corner. Compass Recovery, var turn to $8^{\circ} 35^{\prime} \mathrm{E}$. Thence $549^{\circ} 30^{\prime} \mathrm{E} 475 \mathrm{ft}$ Crab old road : @ 960 ft A.P. No 2. The old tall I pine tree marked by Canfield stands E, but in line: The drive good $7 \times 4^{\prime \prime}$ oak plug and tack in center for
 $N$ about 75 ft. and Ret $A P M 0.1$ and 475 ft. E the road paps $s$ about
20 feet: Beginning at $A P 70.2$ me run $516^{\circ} E$, following oed road 448 fee


This is where Pete Albert begun his road work. Quit for Night, Dolling and tot got in free day each.
too late for his breakfast. Beginning at angle point Kob, compass survey, Vernier, @8035'Var: Sowing, Bott and euro: Nun $5 \$+{ }^{\circ} \mathrm{E}, 326$ ft. along new road and set AP no. A, a few feet North of Noted Center. Thence $53^{\circ} 30^{\circ} E_{1} 627$ feet to A.P. No 5, where we set a $4 \times 4$ "ark plug 6 feet $E$ of road. The new ra ad liNage 20 ft. SW between AP No 4 and AP No is. Hence beginning at $A P$ No $\sigma$ run $584^{\circ} \mathrm{E}$, 642 ft. to $A P N_{0} 6$, where we et dry oak stake $3 \times 3 " x 3 \mathrm{ft}$ long in center of nev round
 1070 ft . to APMo.7 Ret at sw corner of big potato field = RaM slake $2 / 2 \times 21 / 2$ "dry
 field, thence across field: At $900 \mathrm{ft} E$ Ride of field: At 1350 fth Cross New road in cut: At 1620 ft ( 18 Cha, 90 ft Ch) Ret pin in center of road cut, Q. 1044 ft set hut, AP no. $8=$ dak stake 2 ft long drove in edge of tow th side

 tine. I ret up transit and continue E: At $1+16.8$ set hut $w$ ride of little lake, then 9 cause a hut to he ret on $F$ ride of hake, over which 0 pet transit and rum a line $N$ (a $90^{\circ}$ angle) 20220 ft. and offret hut, over which 2 set transit and with vernier at 00, 1 tern telescope on he t $70.1+16.80$ on wide of lake and find the same ceto 552024 w . making the distance across lake 261 fut added to 1710.80 feet $=1677.80$ feet. Hut t 6.77 .80 Execs near new road on E Rile of little lake near boundary of rec 24 . quit for night. Over night with albert. Doweling and Bot sack get whole day. Taltert over night in walker.
October 30,1907. Pained ale day. 2 start out to work with Bowling vote but it was too wet and they came to camp. 2 worked a while retting up road stakes in AM. Pete albert got back from walker on $10^{\circ}$ A.M Train. Bowling and bot got their dinner and then walked in Wither, where they stayed over might Rained ace day, over night with Albert. I got in whole day but Do wing $\times 30$ tc only got /p day decane thy would not work October 311907. Pained in the morning. Bowling and 10 th did not thor up from Walker so 2 took pete albeit out. Beginning at 10 no. 9 we Cum N 51'8'E, @ 301 ft cross $w$ boundary of rec 24 about at a joint

 AP N NO 10 . Be ginning at APP 10 we min $s 8108$ E: © 150 ff. we are 10 ft is of $N$ edge of little Marsh: At 364 ft we set AP no. ll. Beginning at no. II we nun $N$
 we follow along the wedge of little lake, dear to 630 ft. Cohere we set APP No. 12. AP 70.12 veto about so Yt. $N$ of a little deep labe. From 17 P. No. 12 we nun N200, $x^{\prime} E$ : e 150 ft. we are 35 ft. of s ind of little lake. ©225 ft we are 10 fl: if Need of little lake: © 250 fth. s. side of sarah (corduroy) and 10 fin of s side of little marsh lake on the right. @ 300 gt we are vire marsh (corduroy) and 10 ft m of Nw corner of a little $m$ nash lite

 little fig@ 75 t ft set AR No. 13 , which set 25 ft Nest of $N W$ cor of marsh lying $E$ : Pete Olberk chaining. Ours transit and chain, kiotranait 9 oft steel tape. Beginning at $A R N_{0}$, Continue, Rum $N 65^{\circ}+I^{\prime} E$ : At to th emos culvert be h tevo little lakes. The ditch is 30 ft wide at this point and we are 2 oft ww of NW corner of lake and soph of the other lake: a sopthect A pino.it prom which vive rim $N 90^{\circ} 30^{\circ} E$ : At 110 ft we are $10^{\circ}$ th of little cor of $a$ small later: $A t 211$ Cos pec line (about) being about the Nboindary of pec $21, T 141,1 \mathrm{~g}, 31$, and at a point on the transit line 167780 ft Eff the NN Corner vic 24 : This point
 a 345 the are wo ot E of the center of End of 20 th bridge i At 380 leave low'iheadow: @ 946 th. we drive small stake and quit for night on acct of rain. It thundered three or four times, heavy, about to clock p M. Bowling and pot got back fr som walker about to'elock. m wet ar rato. Albert and do goth in whole day: Bawling and Bott got nothing. We grith about i toichote PM. Racinéh ale day.

November 1, 1907 pain stopped. Howling, Bott and 2 begun worth to entinice.
 180 th and pet $A P$ No i $15, \mathrm{making}$ total distance 1126 ph the AR No 14 9 ARP No. 15.


 Beginning at No 20 we run $N 6^{\circ} 08^{\circ} \mathrm{W}$ : $A t 350$ ph a little log. Aocese $12 x 16$ ph seta w go th to the nearest corner being sEer. and the swear. of Pete Alberti hove ia bf tE: At 400 ot the NW cor. of the aCed Thee log carriage io 47 th E: At 564. T0 pet little hub on tope of hill: Ah 46 ffiseh APp no. 21, which pet so th from the center line of the R. P. at right angles to the track Beginning a ht AP no 21, we ruin $N 76^{\circ} 20^{\prime} E, 166$ to to $A P \sim 0.22$. The line between $A \cdot P 2 /$ and 22 Mun square across the MAI R.R. at right angles to the track. She track is half way heft $A P n_{0} 21$ and 22 . With transit set on APP No. 21, telescopes clapped at $00^{\circ}$ on $A P N 0.22:$ Then peering telescope to the night until if th to $1 P 1202$, and the vernier reads an angle of $98^{\circ} 07^{\prime \prime}$ the eropreing
 ff via R.R track) $N$ of the Ahead flock at the $N$ end of Hinters Siding place. Beginning at Ap. No. 22 which 83 th E of the Crossing we rein in 620 E: © 590 ff oed blazed trees indicate that we are on the reecivation bine but av we do not run the reservation line and have no $u$ s. field votes of same we are not sure: Ak 125 th intersect old eros lake logging Companies: sled road, at W end of Cat. Tail bog: at 900 ft. center of old log nodal and edge. of Cat-Tail bog. At 102510 th. set little heib in old no ail and quit for Night Hov i2,1907. Bowling, Rot and Coo continue with $k$ s E transit and
 point 1304 ft prom Ap No 22, And following ain old logging road the entice distance to AlP No.23. Bequming at ARNO. 2, we Mun $587^{\circ} \mathrm{E}$, following the old logging io al 780 jet to AP no 24, thence $168: 32^{\prime} E$ : Ah 100 ft Leave old log road and follow new roidinade biypte Albert and erevi at os so ot le que Alberti nev Road and intersect old eros p lope Tote Road; thence following jed Tote road : Ah 825 th enter solid Marsh 10 ot E of SE cornice Gfbidje 30 feet long: @ 925 feet leave solid marat: @ 11 o of h crops old tote.

Po ad at tip end of a marsh that her $E: @ 1200 y t$ foot of big hill: At 1 _ob tr Cross range line, (about) between ranges 30931,141 ak a point 164 of s


at a point exactly 225 sift E of the ww er of paid sec, is: At 325 fit, foot of hide: and enter marsh sit E off SE cor of a 60 fork corduroy. e 375 ot leave marat 4 the of bridge Corduroy: Ah 422 ft Ret AR No 26 . Then beginning at the NE conner of sec $13,7141, \lg 31$, we men transit line $s$ on $8^{\circ} 35^{\prime}$ Var $E$ : At 164 fo interecet road survey and set oat post then grit this line as I have decided to figure the Crossing of the nous line on the reservation line, fromplah booth, then going to Ap No. 26 we contime our road survey and ruin $S 76^{\circ} 30^{\prime} E, 329$ oft tet $A \cdot P$ no 27 and git tor night Figureing the distance from $A P-10,22$, and running $N . i=1$, along the road line 9 fin h it approximately 5 go ph to the reservation line. get this distance by taking the ficvett plat, protractor and triangles and my road purvey asa face. Avi. Bott and Doweling got in whole day. stevie and Albert over night in Wrelker. The rest of us at Alberti. Nov 3,190\% Sunday. Bot and Bowling assisting Beginning at Anger
 no. 29 thence $N A 2^{\circ} 39^{\prime} E, 632$ ft to AP no. 30 , thence $N 850521,2,22$ feet to A.P Ko. 31, at intersection of the old Gait Leech Lake road. Quit for dinner. In PM we fagin at AP No 3 , and nun N 2550 E: Alt 20 ft enter Conducing, At 50 ft leave name: @ 761 ft Ret AP no 3-2, East and west of the old Reck Lake Road bet pr e 31 and 32 , there are fig marshes extending East and West foil $1 / 7$ mile on both sides. Beginning at pr en, 32 we nu w on $11^{\circ} 30^{\prime} \mathrm{W}, 3.3 \mathrm{ft}$. And pet AP tho 33 from which we run $22^{\circ} 20^{\prime} \mathrm{W}$ : At 180 of center of bog 100 ft acerose:


 center. Beginning at angle point No. 39 , we run NA $7^{\circ}$, $0^{\prime}$ E, 360 , th to $A P$ no 40 , which sets 10 ft sw of cor of long decplake which fere $N$ Beginning at $A P$ no to, we run n
 Rich to angle point $n_{0} 42$, Where we drive an ole port and quit this survey fir the present at the Comer to sec $7,12,19,18, T 141$, tet gog o $30+31$, 4.5 notes call for pock and the following bearing trees:
W. Pine 24 inch, $N 38^{\circ} 30^{\circ}$ E 9 elk, Asp. 8 inch iN $23^{\circ} \mathrm{W}, 35$ links. aspen 10 inch, $517^{\circ} \mathrm{W} 13$ cleo. Wi Pine 9 inch, s, 10 w 35 lk .
Wee find all the hearing trees prom which we set a stake for the true corner. Move 4 th ,1901. Quit this Rurbey for the present, Come home from Pine Diver Lirvey made october 2!1907 to Novath, 1907. pecorded : linn 23-土4-17.

## TwP. 138-TRG. 30. SEC'S. 14-22-23-24-25-26.

From which the stump of the old hearing thee e $8^{\circ} 3^{\prime \prime}$ jhagnetic var. Eat, tears $580^{\circ} \mathrm{w}, 64$ hins do the heart of the stump. Then coming lack a nile East to the newly set's corner bet sees $23927, T 138$, def. 30, we rumen S, magnetic var reads 7\%1E: Dun s the neo 200221. ف 822 oh 5 pet hut and tack:@1110.80 fth s. vet hut and tack:@1320 fris. set iron pin for temp.l/lo cor- and quit for dinner
On PM.Continule south. @1320 set no hut: @ 1503.50 phis set hub and tack ontop office: e 2267.60 hs set hut and lack: e 2640 ph pet
hut and tack for temp car. From which the true sec cor bears $11^{\circ}$ hut and tack for temp car. From which the true sec cor bear $171^{\circ}$

 Wet. pine $5^{\prime \prime \prime}$, $565^{\circ} N, 27$ leo $=17.82$ feet: Net pine $7^{\prime \prime} 540^{\circ} \mathrm{E}, 71 k_{0}=7.02$ feet the pet the cor. post by feat chain prom the heart of the bearing tree which check perfect for distance. We did not take the courses to the trees as it was not necessary. Then he ginning at the new established corner to secs 23,24,25,26, T, 138, 促, 30, he run w on random line bet peso 23926, Var 90. Billie Thumphy and Curs chiisining perfect. @1320 feet Drive tack in root of stamp: ea 2103.70 th m set hel and tack: @ $26+0$ ft. $r$ set hut and tack for temp It car 7 rom which the true $1 / 4$ coiner keto $55+16$ 'W, 38.50 fut distance. At this point being the $1 / 4$
 fallowing hearing trees.
 We find both hearing trees plainly marked from which we set the truest/ corner. The Dearingtus fere ane to fut to far apart, Thew pred From the center of the tree, is 9 proportion the Dhessmemento as follows Total distance via courses is 2970 felt, bit chain and equals $31 / 0$. fut my chain. Difference in chain 1 to feet.
bolter setting the thee It stake the old bearing trees then stand as
Bet pine $9^{\prime \prime}$, hears $537^{\circ} \mathrm{E}, 11.88 \mathrm{ft}+0.56 \mathrm{fh}=12.77$ feet.
Eek. pine $8^{\prime \prime}$, hears $N 10^{\circ} W_{1} 17 . \$_{2}$ th +0.84 th $=18.66$ mech,
to center of pump, at so30Var. Quit for night. Over night with Emery. Hov.231907. L. O. Emery, Amy Emery, Belie Thuphy and fore We euro, Beginning at the new It post on the spile of sec $23,7,130, \mathrm{~kg}$. 30 , we ruin Ton Random line thru see. 23 , Vav. $7^{\prime}$ F' E. at 708.30 fth Ret hut and tack: @1246 fth Ret hut and tack: At 1320 foiN set hut and tack, for temp. $1 / 6 \mathrm{cos}$. © 2130 ft. $r$ set hut and tack: At I 640 ft $r$ ret but and tack, 6 feet $N$ of wire fence for temp center of sec 23 : at 3514.90 ft: $N$ ret hut and tack: @ 3900 oh. N Net Nut and tack for temp. V/6 cor: At 7723 gt. sect hut and tack: At 5280 ft. s set hut and tack for temp $1 / 4$ post between resp $1+723, T, 138$, pe, 30, From which the true comer stands North $72^{\prime} 20^{\prime} \mathrm{E}, 66.50$ qt. dist. Fruit for
dinner. dinner.

notes Call for a post and the following bearing trees :i..... Feb Pine 9 inch, $N 26^{\circ} 30^{\prime} \mathrm{W}$, 6 k bs $=1$, 6 get
Bet Pineilinch $\mathcal{B}_{1} / 9^{\circ} E, 52$ ks $=3432$ feet.
We pet the stake hin flat chain from the heart of the ptumpos of each old teasing tree which we find plainlig marked then seftransit over stake and ah qovar one oed bearing tree petards $N 20^{\circ} 30^{\prime} \mathrm{W}, 1716$ feet diet, and the other oed hewing tree ptando $S_{1} 1500^{\prime} E, 34,32^{\prime}$ ft dist, showing that one tree in a little off for course, but the $1 / t$ corner;ipeorrect aidmearimemento hoed over Course.
Correcting the East and wrest center line of dec $2,3, T, 13,8, p, 30$,
 W. 80.65 th: tupi 53.20 fth W goes $52903^{\circ} \mathrm{W}, 12.29$ th tut 3960 N goes $52903^{\prime} \mathrm{W}, 68.93$ fut 7 tub 33795 i w ques 52903 N 58.82 ft. Ate.
 Th Then west $8 \cdot 20$ eth to the truce center of sec 2,3 , iohere the cor-
 W goes $529^{\circ} 3^{\prime} \mathrm{N}, 3961$ feet: ALb 1932.20 W goes $529^{\circ} 3^{\circ} \mathrm{W}, 3$ 3. 63 ft: Hut 1320 wigoes $529^{\circ} 3^{\prime N}, 22.98$ ft When wrest t. 10 ft to the trice $1 / 1$ bor in the center of the cush halfof paid pec rB, T. 38 , pg. 30 , from which at 80 no' Lar we mark the fallowing newvbearing treen: being a, 10 inch, Jpeine stump which hews $N 0^{\circ} 9^{\prime} \mathrm{W}, 41.65$ feet. dist: and $a, 5$ inch, 5 pine stump Which hears $N 65^{\circ} 44^{\prime} E, 48.85$ feet dict. to tacks in the heart of each stump. vive drive a stake for the: $1 / 16$ cores. Shes correcting further E hub 777 . 50 fth w goes $s$ 29'3. W, 13. 53 feet Then going to the tare center stake of pec 23 , T138, Kg. 30, we take new bearing o as foelour:. Nor pine stump 12 inch, tears N $6010^{\prime}$ il 2420 ft dict, and a Tor pine 11 inch tears $\operatorname{s} 48^{\prime} 8^{\prime} E, 23.35$ feet to tack in heart of stremp. Var V $^{\circ} 30^{\prime} E$. Correcting the east boundary of the sequitur of


 Rect, which fixes the bine bet pecs $23 \% 24$. Correcting the Mouth boundary of the sequantin of Rec $23,713,1,1$
 N, 1925 feet, where we Ret a stake forithe true scot $1 / 6$ corner bet sec: $3 \% 26$, with the following new bearing tres: 11 inch, fipene stump bears $N 78^{\circ} 20^{\prime} w_{1} 18.75$ feck 11 inch, $y$ pine stump bears $N 1^{\circ} 43^{\prime} E, 20.10$ feet.
Measurement taken to tacks driven in the heart in top ofisacued off otrimpe. Var $7^{\circ} 0^{\prime}$ as meridian.

Beginning at the E li 6 Cor just pet bet $23 \times 26,7135, \mathrm{~kg}, 30$, wee zion $N$ thru the center of the sE quarter of pec 2 3 , on random line: @589.50 ft .N. Ret hub and tack: 1130.80 fo. N pet hic and tace in field! @1320 ftNpit pin:@1359.90 ft .N sethut and tack on hill in field $\therefore 2278-50$ ftivpethiet and tach in field:

$$
\begin{aligned}
\text { PLAT }
\end{aligned} \quad \begin{aligned}
\text { TWP. } 138-F G O \\
\text { SEC'S } 14-22-23-24-25-26 ~
\end{aligned}
$$

308-cont.
@2640 Pt.N set hub and tack, From which the true 1/s in the E center of the $E$ half of $\sec 23$ sets $N 80 \% 3^{\prime} \mathrm{N}, 23.30$ feet.
Correcting South tub 1359.90 ff. $N$ aves $N 80^{\circ} 13^{\circ} \mathrm{W}, 12$ feet: rub 589.50 ft. $N$ goes $N 80 \% 3^{\prime} \mathrm{W}, 520$ ft, which fires the true $N O S$ center line of the VE quarter of paid sec 23. quit for night.

Sunday Nov. 24,19.1. Correcting the North and Mouth center line of $\sec 23,7.138, \mathrm{Ng} .30,7$ tub 5280 N goes $\mathrm{N} 72^{\circ} 20^{\circ} \mathrm{E} 66.50$ feet. Hub $A 723 \mathrm{~N}$ goes $N 72^{\circ} 20^{\prime}$ E, 59.48 feet. tub 3960 N grace $N 72^{\circ}$ 20'E, 39.88 feet: tub 3524.90 ft. $N$ goes $N 12^{\circ} 20^{\prime} E, 47$. 43 feet. stub 2640 feet $N$ goes $N 2^{\circ} 20^{\prime} E$, 3.2 .5 feet. Then $N$. 3.40 feet to the trued center of $\sec 23$, where the corrected $E$ and w enter line eroveeo the corrected $N \neq s$ center line.
The above is a copy of myficed $x$ votes of this purvey and it appears from these notes that 2 did not finish correcting the balance of the $N \notin s$ center line from the center of sec 23 , $S$ to the $1 / 4$ earner bet secs $23726,7.138, \mathrm{deg} \cdot 30$

Purvey Made Nov.211907ti Nos 24,907 Parent Lecureyar Recorded

SURVEY RECORD 309.
Field notes of the survey and examination of oed bearing trees found in and the establishment of veii eviners to sections 25, 26, 27, Township $138, \mathrm{~N}$ range $30^{\circ} \mathrm{W}$, Lass County Thinnesota, as Ruvvejed hug form N. Curs, Bucenty Surveyor.

August 11,1906. John $w$ curs, transitman, $t+$ E transit, also chainman 100 foot Chicago, Steel tape. Harry E. Stevenson and John 7.2 aught Chainman eivore in at /1 A.M. Seorgh pobideau, Senior and Ton Vaughn axemen. We go to the IVf cor bet secs $2642.7,7.138$, deg.30, Where $u .5$ Notes cue for a post and the following bearing thees. Set. Pine 6 inch $N, 68^{\circ} \mathrm{N}, 61 \mathrm{lb}=40.26$ feet.
gel. pine 7 inch $S, 31^{\circ} \mathrm{E}, 20 \mathrm{lk}=13.20$ feet.
We find forth old bearing trees plainly marked from which we set the true $1 / 4$ corner by flat chain from center of thees, after which the vel 6 inch klackpine bears $168^{\circ} \mathrm{W}, 40.26 . \operatorname{lh}$ in section 27 and the vel 7 inch Glacte pine teas $51^{\circ} \mathrm{E}, 13.20$ ft, in section 26. We set a stake for the true $1 / 4$ corner from which wu e: nun East on $9^{\circ}$ Variation. At 500 ft pet hub and tack apis 20 ft set hut ankh tack: At about 13 bo ff. pct hub and tack East of a Notched Nownuytree: Further East ret. Another hut and tack: At 2031:10 ft. ERef hut and tack: Ar 2320 ff.E intersect center line of poo: at 2640 ERe hub and lack for temp. center of sec. $26:$ At 2940 E set hub and tack: Ats 340 fr. Esth hut and tack: Ats 960 E set hub and tack: Af 5280 ft. Est hut and tack, prom which the true $1 / 4$ corner bet eec 25 and 26 , veto $E 4^{\circ} 45^{\prime} 5,49.40$ fth distant or $S 5^{\circ} 15^{\prime} E, 49.40$ fth At this point heing the $1 / 4$ Corner bet secs 25

 He found both oed bearing trees plainly marked prom which we pet a stake from the true It cor. and Mark New bearing o as pollour: fippine 8 inch, bears $N 16^{\circ} 15$ E, 6 si 70 . feet to heart of tree in Rec. 25. divine $10 \mathrm{mch}, 51^{\circ}+0^{\prime} E, 64.30$ ft. to center of tree in section 25. Correcting back 9 set hub number 3960 E, EA' A $^{\prime \prime}$ S, 37.05 ft. and drive hut: @ Rub 2640E 9 nun E4045is:24.70 fha and drive Rib: @ hut $1320 E 2$ nun $E 445^{\prime} 5,12.35 \mathrm{fh}$, which fixes the true course of the E and W enter line of $\sec 26$, all in Tap. $138, \mathrm{dg} .30$.
Surveyed Aug. 11,1906
Recorded :25 dan Recorded: $=5 \tan 1917$.

County bury y it Case Docenty, thininesota.



SURVEY-REC. 310
TWP. 138-TPG.30-SEC's 19-30
TWP.138-TG.31-SEC'S 23-24-25-26
Field notes of the sumy and the finding of
old U.S. Rewiring trees and the establishment of new corns in sections $19+30$, Township 13 8, $\mathrm{N} \mathrm{Mg.30W} ,\mathrm{and} \mathrm{sections} \mathrm{23,21,25,26}$, Townshijo 138,N $\operatorname{tg} 31 \mathrm{~W}$, Cis county, Thinnest as purveyed buy - When is cures, County surveyor.

Qug.13,1906. John W. Duro transit and chain, acricted by Tom Vaughn and starry E stevenson, Lessing a shirley compass it po foot Chicago steel taper. Wee go to the corner of secs $19 \times 30$, Tum. $138, \lg .30$, being the corner to sections $2+\times 25,7.138,0 \mathrm{~g} .31$, where $\mathcal{M} .5$. notes call for a port and the following hearing ties: Thor pine 12 inch, $N>1^{\circ} 30^{\prime} E, 70$ les $=46.20$ feet.
Nor paine 14 inch, $576^{\circ} 30^{\prime} E, 217$ le $=171$, Qt feet.
Bek.yine $21 / 2$ inch, $N 27^{\circ} 30^{\prime} \mathrm{W}, 27$ les $=17.82$ feet
Wek.peine $21 / 2$ inch, $553^{\circ} 30^{\prime} W_{1} 18$ h ko $=11.88$ feet.
Whee find all of the oed bearing trees in each eectcon from which we set $a$ post for the true corner to $\sec 19,27,25930,0 n$ range lime bet $7.138, \mathrm{~kg} \cdot 30$, and $7.138, \mathrm{~kg} \cdot 31,7 \rightarrow 0$ which we run $W$ on $9^{\circ} 30^{\prime} \mathrm{Var}$ @ 1320 set stake: @ 2640 ft set stake for temp 1/4 post bet secs 24 and $25,7.138,0 \mathrm{~g} .31$, where 2 L .5 . Notes call for a poet and the folloiving bearing trees:
Spruce $8^{\prime \prime} N_{1} 56^{\circ} \mathrm{W}, 46$ lh s $=29.10$ feet:' Why. yeine, $2 A^{\prime \prime} 5,32^{\circ} \mathrm{W}, 19$ l ko $=12.54 \mathrm{ft}$ Rel appear to he gone and we continue $W$. 5280 ft. Wet stake for temp. Cor to secs 2,3,27,25426, From which the true cor Stands N,33.30' $\mathrm{W}, 59$ ft. dist. At this point being the cor to sections $23,24,25426, T 138, \operatorname{ta}, 31, \mathrm{U}$. S. Notes calk for a pooch and the following teasing trees:
Tamp $8^{\prime \prime}$ ' $154^{\circ} 30^{\prime} \mathrm{E}, 130 \mathrm{lko}=85.80$ fact: Tamp $8^{\prime \prime}, 585^{\circ} \mathrm{E}, 200 \mathrm{lk}=132$ f ot. Werfind the old SE bearing thee from which we pet a jot. for the true section corner being a big squared up post driven Freer into the meadow, from which we pep light hearings as follow: being flat stake NW in sec $23,46.07$ feet. and flat stake sW in sec 26, 46.67 feet.

Surveyed Aug .13, 1906. Recorded 24 Gan 1917.

Field notes of the survey and the establidment of ion Carneroin pec 5 7.6,7.138, Pg: 29 and pecs 31932, T.139-29, and perl, T. 138, Pg. 30 and Rec 36, T.139, R. 30, as purveyed bury 4.7. Baldwin and the platting of Town Right in section 31, T. 139, kg 29, as purveyed by $7 \% \cdot 7$ baldwin. Notes examined and recorded buy fohn W. Curs, County Surveyor of Cuss County Thinnesota. Monday nov 3 tr k 1915. I am working, for lass County in the establishment of lost and obliterated section corners ordered re-establiched big the transikman, Tick trig flag, chain, axe and general asst Look up p field notes in office, wvalken @ $9-20 \mathrm{AM}$ via Mo IR. R. Fare to Pine Hewer $674.67=\neq 1134$. Pd. buy Baldwin. Ar Pine River 10:30A.M. Sines with A.A. Cater.
P.M. Lv PR. With auto from Hardy auto hinny. Wo ego to $5 E \cos \sec 31-139-28$, Which Th. geber finds for wo. The returns to Pine Aver. With Burley compass Baldwin and Haig Cruise. North pacing $1 / 2$ mile to find B.T.S. for $1 / 4$ car. Wee find none and return. From pec cor S.E 31-139-29 We start random line North on $7^{\circ} 35^{\prime} \mathrm{Var}$. At 456.4 N a hut. We cut bush on North and Cut.
 Thursday Nov.4,1915. Clear frost in A.M. Breakfast-Barclay to tel 6:45 A. M. We leave in Hardy auto taking lunch at y:20A.M. Suldurin- Aloe transit. Harig-Ake and flag. We continue North between secs 31 and 32,139-29
 wire fence has continued 2 to 6 th East of line_ At $2633 \mathrm{~N}, E \not \mathrm{~W}$ B. wire fence: at 2700.00 Na Nub: At 3472.50 N a hub: We quit for night and walk back where auto meets us and drives us to tine River. Arrive 5:301:M. Baldwin and trig at Barclay Hotel for Rupert lodging. H. 7 Baldwin.
Friday Now .5,1915. dear day. Frost in A.M. Breakfast at Barday hotel 6:45A.M. we take 3 I.M's $21 / A^{\prime \prime} \times 4^{\prime}$ with cap from Pine Diver Savage and dive in Aardys auto to a placenear our work. Baldwin -..Aloe transit. Haring... Ave and flag. wis continue North between 31432. Ah 4142.7 Na hub: At $4400.0 \mathrm{~N} \mathrm{a} \mathrm{hub}$. 4510 N a good old road: At 4696.5 Na hub: At 4765.0 N truce shit M.C. no. 29 sets East 1.30 ft . At 4830 Shore Lake That tic. There. at M.C. No. 29-139 29. The U.S. SNit notes call for N.P q" for corner-B.T.S.N.P. $6 \mathrm{~S} 2.5 \mathrm{~N} 13=8.58$. N.P 10'S 80 E 19 = 12.54. We find pturypes of B.T.S which check for course and distance with $q^{\prime \prime N P P}$ stump in which we place tack for true corner. We drive an Iron Thonument 10.0.ft. South for witness Corner. At M.C. No. 29. UL.S. Chainage calls for $4000+3197=7197$ links $r 2750.0$ ft. The $1 / 4$ Cor between secs 314 32-139-29. Correct from 2640.0 North to 2648.34 thence East 0.71 ft. Where for coarse + dist. And drive tron Monument 36 "in the ground. Hardy Comes with car and we reach Hotel 5;401:M. Supper and lodging at Barclay Hotel. Leave call for I: 30 A.M. Try to get Cw no buy phone but Cannot. H.7.Baldut Saturday Nov. 6 th, 1915. Clear day. Baldwin 9 Haig take 1:57A.M. Train for walker. Wee go to Chase tiatel, Noon 32. Wee pee curs and take 9:28 A. M. train for pine Diver. Zoon Arrival at Pine River we go to Pine Diver Garage and they agree to call ep wo ut barclay ratel at 12:3018. M. Auto delayed
at 2:00 PM-Pine Riarer farage fundo ark floveir ear to take ie to sivcor Twp139-29 He leaves wo at what he pappis Twpoer. Th is a mice too far Douth. We cucise for corner. Auto does not conce far us as agreed anid we walk to Pine River, arrive Barclay Hotceleiso T11 Bugpes ot lodging at Barclay Hatil. 47 Baldurin.
Sunday rov. 71,1915. Chicely, Rain, No wark. Baldurin t Hany at Baiclay Hatel ace day. H. 7 Baldurin
 A:M. $x$ driver is to pouth of lake ftattic where wewack to sw ear Tup 139-29. A Carnerpost sit hy MiA timp oni Nee 113,1913 seto true from ul s. Bloit.Brs.s.
 30. A wooden car paot pets conrect for coivce o tiaving from bsich to T. S. We walk baick to tulp car 4 thave honch.
 IN $36^{\prime \prime \prime}$ in the gionsi and stant sant ons. 35 Vax Weent line nearly to sken Hattie quit for night Cai prompinie perien tarage mects uo..Daldurio

Husday nob g th, chis foir day kreatfast parclay stotel. Auts grom Pine River Sarage takes us to Kielettly tarmdat 6, Rec 51 on zask eide Take thattie, Tue continue our sandom tine East ácisos Labe Hattic. We have use of heal from mi. Sielettely, Wie have lunch. Ne Coxtimue East about centre sec $11139-29$, 2he true $1 /$ cor bet 131732 ceto 7oith 60.6.ft 7rom true line fitcicen 311132, Turn s. w. angle $89^{\circ} 20^{\prime} 30^{\prime \prime}$ o ptart hine West Giut for night Itarig geto 2 priesh Hootes sent from Walkir Exprers 22.t) Pine kive starge tates upin. Baedurin a thicg
 vaino ure do not out paedurin uritim noter Curo phones kabdurin he wanto IMS (100) Baedurin Ht Asing take s.As PM. Tranin for Walken fare $67 t$ each. Hariy leavew with Smalyineas for eass Cake- paedurin Apexdo evening with curot take 12:57 Train for Pine pives. Baeduin dote to baiclay Hate at Pini Riven. $1+7$ dzeesurin.
Thurishy hov 11 ig15. Clear day otrong wind. Breakfast at Barclay Hotel. Baldurin seis Fied movister who hirio ed baomon' to assist in surnep. Auto taker Baldwin and Bowman to sec 31-139-29. We take linah. Tve continue random line west abouh cintre ses 31 we ret hubo teut - buch bit do not chain Auto from tine River barage bingo us back.


 wa-hut fence-nearly Ex w: 985 entermirsh :106.5 exter watar 1100 shove heft 25 from true line. 1145 chare and 12.00 levve marieh: 1834 Wa hiub: 164 Wa hut:1779. Wa hict:ig00 W cut-dink:1990.8 Wa huti-1995 W phore Lake ftattic. the have hunch
Ill verun traverse of shore, but do not chain at viest torondaing lot 5, Nec 31. Angles turnedst deflected phown on pageo 15-1, An. Avto from Pine Biver tarage comes yor at Fioo PM Maedurn, sujper $A$ lsdjing at Barclay Hotel, Hz Baluini.

3I-cont.
Naturday now 3, i915. Cbear day little urind athub ak gqa swon phore fake Hattie. Sowman takis old post kelongingta Mu Stilletty and pets Lub on opp. shore on random Live produced abouf center Rec.31. A. Baldinin with aloe
 gufation, where ve pet huf tread angle $142^{\circ} 51^{\prime}$. B. The remaining Angle is to i: The distance acroso lake from hub at 1990.8 to hecben uest side of lake is 2437 . 9. Anb atiA is uest 4 4287 . We nown nacw across lake and go to IM.at/A $\cos$ bet sec 36431 ve ehaim eash... At. 470.4Ea his. Ah700.8E a hisb. At 885.8 E a tach on 12 "Niptiemp: Dit 1036.6Ea hub: AA1189.3Ea huib: A11170.5the hub 74281 woto porth 29. Aft Wue go near sim Cortup $139-29+$ get tranait bop t two I.M.s previausly left here. We drive an In at Twop. Po. luhere there is only wooden ear poot sets corirect for course d distance. Wre have hunch R:00PM. Ue now go to True Soit M.C. No. 29 and efinin on yeaides Line ao ricn luy tranoit yesterday: Ongle S.W from M.C. 29 At "A.... Apt 100 Nabe shore Righto 5 ot cut hank 2 N' left. $^{\text {Lt }} 200$. at 200

 aft50....". " $35 .$. Tharsh oft at 600 mareh $. n \quad 30, \quad$. 20 it leff
 $A_{1} 800 . \quad \because \quad . \quad . \quad . \quad . \quad . \quad . \quad . \quad$ ft left at $853.3 . \quad . \quad 15 \quad . \quad . \quad . \quad$. 15 left left bake shore at1100 Lake phove 3:oftright. At113-5. 3-a hub: deflect 3200.

 a hub deflects $10^{\circ} 30^{\prime}$ left $a t 1431.5$ hib hact tangent produced cut bante. 4' narsk a o'shore 50:
Ahis00Tojß Bank25'Rt shou 55'Rt. At 1600Lake shore 35'rt. At 1700 Lake phove zo'rk ahs soo Edge marsh zoirtophare to'rt at 1900 Edge
 s'Mt At 2L0. Sake phore marsh 5'rt marsh s'lift AL i; 200 Sabe phore s' Ah
 2400 on Lake phove. Ah 250 Niareh fiake whoze 5 nh At 2589 o marsh lake


 Sime: Ak $30853 M=9318 \mathrm{~N}$ Tum Angle ti $N E 57^{\circ} \neq 9^{\prime}$. Aico from Pine Piver
 Bugduvin at barday totel for pupperiand lodging. At 7 Bulduin

 topei Onoweter bist he has tetired, wiel he in office in A.M. Juldurin ale day at Baiclay titel.. ttof Baldivix

Thonday 'hov.15,1915. Clear in A.M. -PM. Snow r. Hard to see three Transit, Breakfast at Barclay state- take lunch. Faldurin submicto sketch of lot 5-31-139-29 to fred Moulster 9 finds hour it is to be divided. Auto from. Pine River Savage takes kaldurin o kauman to pec 31-13929. Correcting saccth boundary Loit5-sec 31. the b At 497.7 W goes vouch 1.88 fo, hub at 1437.7 wace acth 5.42 ft. hub at 1990.8 W goes mach 7.53 fh with Aloe transit atitans. betisit3.2. The. True live between 31\%32, and North birundany Lat 5-31.. The sim angle 89008' We have lunch.
PM. We set hub at s oo th. West of TiM on true south foundarif Lat 5 from this hub we run live. North parallel to truce line bet Rec $31 \%$ sec 32. Wee now set heb atharth 16 car bet Rect $3143=$ as fallow: Temp 16 car 3960 goes. North 12.51 ft. to 3972.511 Hence. East 0.79 th leaving beard stake at heb Tum Ni w angle $90^{\circ} 52^{\prime}$ i run line west II to South Boundary. We start to Walk home, hut auto from Pine River Garage over takes is. Arrive 7:00 PM. Sulduin at Barclay state vive night. Ht 7. Beeduvin. Tuesday nov.16,1915. ""of snow on ground fine day. Breakfast at Barclay Hotel - Take hunch. Auto from Pine Diver Garage take us to sec 31. leave Ratel 7.30 A.M. Rsedurin- Aloe Transit.
Racoman - Ave of flag. We continue live $300^{\circ}$ west of pec levine bet 31\% 32, and line from North $1 / 6$ cor Let 31-32 Running next so' parallel to saceth bacundary! lat s to pi. o set hub. facing to pi Louth haundany lot 5 and ineander live 3085.31931 .8 true line. With transit at PI. And hackpight on meander line turn $96^{\circ} 00^{\prime}$ left chaining along this line
At +40 enter Marsh: At +75 labe shore: At 200 lake shore. At 300 edge marsh $95^{\prime}$ left maps shore $105^{\prime}$ int at 100 edge marsh 10' left marsh shore 100'rt. At 474.9 marsh o left shore $95^{\prime}$ rt. paralel to B. tangent. At 477.9 a hut deflect $70^{\circ} 0^{\prime}$ left. At 500 harsh o' left shore 2 sirs: at 600 mural left shore $1 o^{\prime 2}$. At 640 lake shore 0: at 700 Lake shore 5'left: At 800 Lake shore 25'left: At 900 Lake shove 20'left: At 1000 Lake shore 0 5'left: At 1019.0 Lake shore 10' left: At 1019.0 a hut deflect 15038'to P.I. Random line hut. At. 1050 Lake shore $0^{\prime \prime}$ At 1100 Lake chore 5' 14. At 1114.50 Theander $=1990.8 \mathrm{~W}$. Turn N.W. angle $149^{\circ} 25^{\prime}$. Auto from Pine Diver tharage comer for Us. 5:00 PM. BacdurinRupert lodging at Barchy sotel. Evening Bildurin writes notes $q$ writes curs regarding M.C. At couth boundary. Wot. $5-31$. H.7. treldip
Wedncoday nov, 1915 . Tiv day. Breabfoct Barclay itotel-take-lunok. auto from Pine River Savage takes us to sec 31. alevin- aloe transit. Bowman - axe 7 flag. Starting from line parallel to sec. hive 300'. west we run hines to Lake phone dividing track into lots 200' vide North and Ruth. We pet " $^{\prime \prime}$ spikes with red rag attacked for hub. Tum s.w. angle at each line $8908^{\prime}$ making each line to lake show parallel to Doit boundary of Lot 5- we set hubs but do not chain. Auto from Pine Diver Alarage Comes for w. Baldwin at Barclay Hotel for super 4 lodging

Thursday nov.18, 1915. 7ain vay. Breabfast Bardrij hotel-tabe lunch Auto from Pine kiver Harage takes us to sec 31: Balduin-aloc transict. isowman--ase + flag. We finish noith toundary of 7 th lot Nooth. We produce East toundaing of loto to Labe shoine. Wie have lunch. P.M. Ofter huch awto from Pine Reiver Barage burigo 25- 19""y. I.M.S. Tue destribute I.M.s and set 7 I.M.s. quit for night. anids from Pine River Barage comes for uo. Bredurn at Burclay totel for support lodying, Friday Novi1, 1915 Jaiv Day, Breakfact Barclay total. Take hinch. Auto Fom pine River Hrage takes us to sec. 31, calls for us at sit 5 Pin. Buldurin-aloc, Bouman-axe + flag. Wego to 199.8 w where we correch
 1641.0 w we correct south 6,20 and drve lut with guand stake jonked true hine. We drive 5 smale IM. s . to lot conners. At $1833^{\prime}$ Noith of south boundary lot 5 . Weplace 13 I' $_{1} \times 18^{\prime \prime}$ black tron pipe for I. M. 40' East of hine of lot comero Beginning at his IM. we chain wrat.
at 200' to cut tank ek 80: At 300'top Cut tank et. 40' at too'top eut bank Rt.5': At 400'top cuthank ch. $20^{\prime}$ : At $5^{\prime}+0^{\prime}$ Croos top cut bank: At 550 . crose battom eut tink. At $600^{\circ}$ divic $13 / x^{\prime \prime}+18^{\prime \prime}$ I. M. here we turn N.E. angle 89'06' un noth parallel to see line det 31432; at $30^{\prime}$ North drive 13/4ㅊ18"I. M for lot Corner. 4' north PI-meander line. Ittr Cect dank $30^{\circ}$ couth-of 600 . We drive 21 small I.M.s at comers of out loto. We just finist' sut division of lot 5, sec $31+$ take aicts from pine Ruves liarage. arrive at Barclay totel. 6it5 PM. Baldurin see fred Thoulater of he thinks changes in subdividing lo to 0.K. Baldivin leaves cale for 1:30 A.M. t gres to hed Fake train 2:00 A. N. Yor walker. So to Chasetotal. H.7. Breidentin 3 gulvaniged fat each cais 300 west ofsec hine heh 31432 and 1324.17 1. $34^{\prime \prime} \times 2$ : $\quad$ Toith at $300^{\prime}$ weetyly cor and at nor $1 / 16$ het $31 \times 32$, drque I.M:s La $13 / /^{\prime \prime} x$ 又' galvanijed pipe $20^{\prime \prime}$ in the ground for thon momumet,
HBlack hron
$\% 3 / /^{\prime \prime} \times$ 土 $^{\prime}$
I:M.s.
$\therefore$ Black fron $1.3 / 4^{\prime \prime} \times 1 / 2$ ! I:M.s (at s.E con of first put lot Noith. At S.E. Cor of v.E. put
\{at sin. cor of first lot nouth near lake shore $\left\{\right.$ This Con is $33^{\prime}$ noith of hut 931.8 W at PI. Meander Chine. Drivel 3 /4"x'poipe for I.M. $20^{\prime \prime}$ in groind.

Af siE. cor and s.w. cor on shore of lack of 2 ad, 3 rid is th, $5 \mathrm{th}, 6$ th and 7 th put loto Nouth and at all four corners

Geccurded Jan.27,1917




## TwP：134－RG．29－SEC＇s 15－16－17－20－21－22

thees and everbiel need notes of the survey to find oed Bait bearing is id evecuict new earners en sections 10，16，17，20，21，22，Township 134，N Range 29W，5 th Principal Meridian，as surveyed buy foam W． Curs，County，Purveyor of Case County，Minnesota． Syst 4，1906．John w．euro，tradnait and chainman，tugffel and
ser transit and 100 foot chicago Stud tape．Aft Pine Clive ser transit and 100 poof chicago Dell tape．Alt Pine Reviver on 10，76 A．M．train，copied field notes at Erainend，them drove to Parker Whites place in section $17,7,13 \%$ Ry． 29 ，with Waitisteam $q$ whites father． Soot up see cons io to to be ready to go to work in the morning
Parker trite he po me and to－k Par her and his father showed he allowed a whole day exch for work．
Sept ．5，1906．Parker Waite swore in as ehainmen．Old－man Wait drove no out to take out the tools and hep me covey．Buy Smith and A．S．Smith of tromebrook post office assisted as axeman
Qed man waite worked．We go to the corner of sections 1516． 21 t22，Ti 13 A，㤨27，Where U．S．rites call for a port 4 the following bearing trees：

 We find the NE and the SE tearing trees from which we rect the tue Corner and rumen won $10^{\circ} \mathrm{Var}$ on random line tet sees 16721 ， At 1320 fth． w set hut and tack for temp l $1 / 6$ cor：at $1980 \mathrm{gt} . \mathrm{W}$ set Tut and tack：At 2315 tenter $F$ edge of reough： $\mathbb{C} 2570$ le aud Wedge of plough：＠ 26 to set hut and tach Lou temp ．1／t corner
heft secs $1 / 621$ ，where us．notes cull for a posh and the following bearing trees：
 All appear to be gone and we continue w．e 2960 ph．$w$ enter $E$ edge of second slough or lake：＠ 3300 th．Whee leave $W$ edge of came pet Rut：＠ 3774 sethut $E$ of lake：＠ 3823 Ret hut in E edge of lake clove to water．Then effect at $90^{\circ}$ angle， 162 fth N and continue West：＠ 4196.60 m set hut and tack，them offoch back at $90^{\circ}$ angle and mun 5162 fut and pet hut and west side of 3 nd lake in edge of water and continue west：e 1200 leave wedge of 3 red lake：＠4594．40 feet $w$ set hut and tack about 100 gt． 5 of fourth slough or lake：e 4700 Venter $E$ edge of fourth lake，Thew at 459 to $W$ offset $90^{\circ}$ angle and run $v 162$ Lect，then mun west to 5040 fth and offret tack $90^{\circ}$ angle and run s 162 feet and pet hut to ft w of lake：＠ 5000 leave edge of lake；© 5280 gt．W set hut and tack for temp sec cor from which the tue corner hers $W 66^{\circ} 40^{\prime}$ or to the right 92.20 ft dist，at this print being the cor to secs $10,17,20 \times 21$ ，hhs，notes call for a post and the following haring trees


$312-\operatorname{con} T$
We find the old sw bearing tree plainly marked and standing in sec 21 from which we mun $138^{\circ} \mathrm{E} 21.12$ fth and set a stake for the live con to kens $15,16,21922, T 134 ; \mathrm{Pg} \cdot 30$. From the. Section Corner we nun $181^{\circ} 30^{\prime} W, 22.44$ feet in sec 16, but find the oed bearing tree gone. Other bearingtrees also gone. Shy Smith chained the last how r and was sure in audwarked late and we quit on account of dartenesd. Sept .6,19 o G John W. Curs transit and chain. Buy smith chain man. Parker Waite and vel man waite work as apemen. We set up transit on hub 5280 W and going W on $10^{\circ} \mathrm{Var}$ the true corner to sections 16 ,
 Curccting hack on the Mandan live bet secs 16 and 21, titubt 597.40 W gree W $66^{\circ} 40^{\prime} \mathrm{N}, 80.23$ feet: tut 3774 W goes $\mathrm{N} 66^{\circ} 40^{\prime} \mathrm{N}, 65.90$ ft: Hub 3300 $W$ goes $W 66^{\circ} \not 0^{\prime} \mathrm{N} 57.62$ feet: tub 2640 W goes $\mathrm{W} 66^{\circ}+0^{\prime} \mathrm{N}, 46.10$ feet: to the Grue $1 / 4$ corner bet secs 16421 tut 1980 W goes $\mathrm{N} 66^{\circ} 40^{\prime} \mathrm{N}, 3460$ feet : tub 3220 W goes $W 6640 \mathrm{~N} 23.05$ ft at which joints we drive stakes to mark the true section line. We get three at 10;A,M and Ald man Waite drives Parker Waite and Miro to Qrainerd., Where thu y Catch the train North.

Surveyed Dept. 1.1906 to Aept:6.1906.
Recorded 2T, fan.1917.
 Recorded 27, tan.1917.



## TWP. 142-FGG. 31-SEC'S. 22-23-26-27

Field notes of the curving and finding of old $\operatorname{LI}$, . hearing trees and the establishment of new corners inc Rections 22,23,
 surveyed buy foin N. Curs, County Surveyor.
April 8 th 190\%: Left Pine River Minnesota at 3:36 o'clock 1P M., via
team: Arrive at Walker to work for N.T. Quark. Over night at ratel Chase.
April 9 th, 190\%. In forenoon Th. Guam takes me to the $1 / 7$ corner between sections 22 and 27, Twp. 142, Rg.31, from which Peter Troseth and $\theta$ Chain East hoff a mile rough chain to the corner to sections 22,23,26,27, where us.noteo call for a post and the following bearing
 whee. pine $20^{\prime \prime} 5,36^{\circ} \mathrm{W}, 10 \mathrm{lk}=6.60$ rect: whip. $18^{\prime \prime} 5,30^{\circ}$ El $15 \mathrm{CkO}=9.90$
We find ale four trees plainly marked from which we set a stake for the true corner. We find the stump of the S.W tree in section 27, standing plainly, Marked, and we find the S.E. tree in section 26, down and out by the roots but plainly Marked: we ales find the NE tree in section 23, and the N. W. tree in section. 22, both trees down and out buy the roots bit both plainly Marked and from these your trees we establid the trice corner to section o $22,23,26,27,7$ wop. $1+2,1 \mathrm{tg}, 31$, where we set a stake.
 corner between sections 22 and $21,7.142, \mathrm{pg}, 31$, where ul. Notes cull for a post and the quleowing hearing thees:
Birch 4 inch $N_{1} 11^{\circ} \mathrm{W}, 30$ lbs $=19.80$ fRi whip. $18 " 5,57^{\circ} \mathrm{E}, 11$ les $=1.26 \mathrm{ft}$ We find the stump of the 18 inch white pine standing plainly Marked ."BT." from which 2 set a stake es that the heart if
the white pine stump stands s $57^{\circ} \mathrm{E}$ II links; the 57 degrees is the Whitepine stump stands $557^{\circ} \mathrm{E} 11$ links; the 57 degrees is turned from the true meriician which 2 assume at o vas ration magnetic East.
There is another ark stake which some one has set abort 2 feet NW of my stake. The ouch tree called for in the governmont field notes is apprarantly gone.
From my stake we rein North on a magnetic variation of 120351 foleroring an old line of hubs, and a fence, fin Middleton probabby ruin this hire: $A$ 276.20 feet $N$ set hub and tack: at 1721.30 feet Noith, set hut and tack; At 130.6 .90 yet $N$, set hub and tack: At 1665 .th worth cross center of wagon broad: at 195.3.30 fut north set nut and tack: Af 2011.30 ft. N, set hut and tack from which an oak tiki perviously set try pome surveyor for the N.E. Corner of Government Lot No. 5 , stands 1 foot South. Grit for night. saith 0,14 of a foot tut 72130 E, goes south 0.36 of a poi;
 0.97 of a fooki Hub i2011.30 E, goes Noccth 1.00 fork Ike heginning ah the oak stake above mentioned which we find 2011.3 .0 feet north of the $1 / 4$ corine r on the South side of section 22, we up south and at. 150 feet pct stake for. s.W. Corner of village lot no.I. then continueing south 150 feet (total 300 feet) we set a stake for sw corner of block 1. Thence Continue south 60 feet (total 3 oo Lt) and set. stake for .N.N. Corner of "Block 2 " thence continue Nautch 1.00 feet ( $\operatorname{total} 460$ ) and set stake for NW. Corner of "Lot 2 ": thence Continue south 10.0 feet (total 560 ) and Ret stake for N.W. Corner of "lot 3" thence continue Ruth 100 feet (total 660) and pet stake, then Continue setting wariovo stakes for proposed townsite plat:

April 11 th, 1907. I Find the stump of the old Birch bearing thee at the 1/4 corner between sections 22 and $27,7.142,10 g 13$, which elecke out for Course and distance with the white pine stump of the Weer heaving tree when chained. From the face of the figure on each stump, instead of chinning from the "heart" of the stump, and As the white pine stump is churn butted, and Widens out near the base where the figures are, it. Chains my first $1 / 4$ stake to a point about 18 inches further North west at which point 9 set a goal Stake for the true $1 / 4$ corner: this would Change the proposed lox stakes a few inches, but 2 am not granted the time to make the ehange as the land owners do not think it necessary. Survey Made April 8 th 1907 to April 11 th. 1907 .
Recorded In 271917 Recorded jan 271017

County Surveyor. Cos County, Minnesota:

Twp 137-RG.31-SEC's:25-26.
Field noteo of othe swnucy of a pact of sectiano 25 and 26 , Townoheip $1 s 7$, $N_{1}$ 见ange $31 W_{1} 5$ th PM Cuss County ininnesata as purveyed buy pohru $2 N$. Quo, Cocintij. Rurveyas:

June 29 th 1907 fohn W. Curo tranactman, cese ehiening, to o $E$. Aranait and Cheiago Ntel tape. penglech line and plufect ehaining. Qle sandotioin, axhe alion, O. Pogucet o Anton kequest, pucruajing Lar boquect t oleon.
Beginking at the corner to Rections 25, 26, 35,36, Tup. 137 , Teq. 31, we
 tack: $a t 1320$ ft $N$, eet hub and tack: $A L 2392 \mathrm{fh} N$, set huch o tack: Ah 26 to ft. Net hub far temp. Its corner betriecic sections
 set stake at 5350 fle karth eet hubig tack prom which the true corner to pections $23,2425,26$, ptands $N 8+6,515,36,00$ fees distaxt. 535.3 .6 fret io the true length of the line.

Carrecting fack, huib $2,640 \mathrm{~N}$ goes north 3500 feet to zers feet. N,
 $1 /$ Corser hetriein Rections $25426,7137, \operatorname{man}$. quit for night. Gune 30 th 1907 same crev, bequi at nev etome $1 /$ eamen bet pections $25+26, T 137-\log 31$ from Which wo min Woah thous section 26, on $9^{\circ}$ variation: Ah 0 os feet west set heeband tacte At 1320
 Lekhub and tack. From which the true eenter of eection 26, perebiovely pet hiy me, being an eak ptake, peto wext, boisf north 25 qu feet distant.
Carrecting back hiek no 1899 vest, goes west $16^{\circ} 12^{\prime}$ inoith 18 . 60 ot i fubs 1320 feek wesh, gres w $16^{\circ} 12 . \mathrm{N} 12.95$ feet where ve set a etake far. The true 16 jevt in eenter of East halfof section 26 . At hicb 919 fect west, we mun $N 16^{\circ} / 2^{\prime} N$ g.oz fectwhure we pet a ptiabe for thic true $E+W$ center line of $\sec 26$, from which the cement faccoclation Af Biquesti house ptands vorth $4 * 0$ fect. Carrecting the randim line between kectiono 2s and $26,1,1: 3$, R. 31 ,
 the $V$ vorth $/ 16$ corver between cection 25 and 26 .... Aub 1320 gh. N, goin Nozth, 7 Fopeit to 1337.50 Nouth, then N8.15\% 9.0. feet to the
 Goes Nouth 11.55 feet to 8.82.95fh Marth then N. 84'15'E.5.94 feet to true section line.

Survejed fune $29 \times 30$ th, 1901
pecoried fon 211917

Cointy Nurvecor Coso esunty, Phinnesota.


# TWP. 135-RG.29-SEC. 5-6-7-8-18 <br> TWP. 136-TG. 29-SEC. 31 <br> TWP. 135-RG. 30-SEC. $1-2-11-12-13-14$ <br> TWP. 136-TG. 30-SEC. 36 

Field notes of the survey and establishment of ion corners in sections $5,6,7,8$ and 18, Township 135,N, Range 29 W , and Lection is' Township 136 N range $29 . \mathrm{W}$ and sections $, 2,11,12,13$ and is, Township 135 N, Range 30 W , and section 36, Tounship 136 N, Range 30 W , ale fir Cases County thinnesota as surveyed by torn vol ever, County
 County Revreyor.
Tuesday Octabel 31 At, 1916. ThreE. BS. Frat, working for tome Brook townokij, T.135, Mg.30, prepaid field notes And pesto and With purvey outfit leave e Walker at 9:284M. via M. 1. MIR. for Pequot, Pis fare Natter to Pequot. 85 cento.
Telephone éale to Frank Thistle before leaving Walker to cent.. Arrive at Pequatat 11:20 A.M. Miner at Andersoris Hotel 35t. In afternoon try Anderson with his ford takes Horst and pevmaif orb fit to William secida fair in the SE quarter of SEquarter,

 road upon a petition for wame HAida and Harsh take chain cor to secs $6 \times 7,7.135, \mathrm{dg} .29$, where $u .5$. notes call for a port and the following be oaring thees:
Arp. 10 inch, $578^{\circ} \mathrm{N}, 27$ les $=17.82$ feet: Asap. $10^{\prime \prime} \mathrm{N} 36^{\circ} 30^{\prime} \mathrm{W}$, s 1 hes $=20.76 \mathrm{ft}$ app. $9^{\prime \prime} N 11^{\circ} 30^{\prime} E, 37$ l ko $=24.42 \mathrm{ft}$
All appear to he gone as the road has been graded wide enough to take in all of the stumps or trees and we kind no stumps, ant we find a stone in the center of the rave ct by William it. mallet a surveyor, stone set years ag. The wale $N$ is a mile where everything Las been cleared away at the $1 / 4$ car bet secs $1+6$ where uss. note call for post aud the poccocving beaning trees:
sur Oak 12 meh, s 910 W 19 lbs. . 女 ur Oak is inch, $586^{\circ} \mathrm{E}, 28$ les
And me go $1 / 2$ a mile further $N$ to the Tounsaijo corner being the corner to

Ay.30, Where uss. notes call for a post and the Hollowing hearing trees: Asp. 14 inch; $3.9^{\circ} \mathrm{W} 38 \mathrm{lks}=25.08 \mathrm{yt}$ : A Ap. $12^{\prime \prime}, N_{N} 40^{\circ} \mathrm{E}$, 38 les $=25.08$ feet. Asp. 12 inch $s, 40^{\circ} \mathrm{E}, 38$ lh s $=25.08$ ft: app. $10^{\prime \prime} s, 75^{\circ} \mathrm{N}, 30$ le $=19,80$ feet. We find ace the timber gone, wee also find $2 x f^{\prime \prime}$ poke in the center of the road and from this stake we chain the required course ax: distance in ale direction. called for in the notes and find the roots of ale the oed bearing trees except the NE thee, which point face in the center of the toad. This with thi-evidence of the fetters who lain this to the true corner $\theta$ consider sufficient. -evidence to Make this stake the trice top. Corner. Quip for night.

Mor.1,1916. Mednceday. E.B. Horst transit and Chain. Hurley transit and 300 foot Chicago Steel tape. Nile Sunda aud 2. F. Meicell Chainonen'it.E. Hobble and 0.L. Maine
 a post and the following hearing thees:

 Hacmus fohncon shrus us a store he has huried to preserve the jeaint where he know the old U.S. section Carne stood. $\rightarrow$ set transit owes the stone from which sind the roots and the stumps of the old fearing trees cabled for in the notes. Ale check out peyfect for course and distance with the stone, whee a consider the true carmen and from which o mark un new hearings as follow
Pop. Finch, N $33^{\circ} 50^{\prime} E, 55.20$ ft. in sect: Whee pune stump $N, 55^{\circ} 05^{\prime} \mathrm{W}, 7410$ ft in Rec =
 Random bet secs. 1412 , magnetic Variation reads 8\%5'E: At 413.60 ft .E Ret hut: At 568.00 E enter swamp: At 710.00 E leave Revamp: At 1312.10 set hut: At 1334.00 E wire fence: Qt 2328.80 E set hut: At 2577.00 E enter suvamp: At 2634.00 E leave pu amp: At 2700.00 E pet huh and look for 1/t Conner heft Rec $1 \neq 12$, where $u$. S. notes call for a post and the following hewing trees:
Asp 3 inch $N, 17^{\circ} N_{1}=8$ les $=18.48$ feet: Pounce 6 inch $5,28^{\circ} \mathrm{E}, 53$ l ks $=34.98$ teat Ll are gone and we continue E: Af 3098.60 ERt hut, croon $E$ and m vire pence, which hews stand Nw: At 4812.20 E et hub in south wheel track of oed logging road guide. The sw angle of this oed grade to our here io $10^{\circ} 15^{\prime \prime}$.
 5 rad which is on Mange line. At a point on ache transit hicic 5294.00 leet East an old stone corner ceto $S+8140$ tet: The setters here eli they have sown this oed stone to be the true corner for the last 2,2 Years and that the old lost. Hearingtrees were here. 10 years ago. As a Check 2 decide to un N 4 S on the Range line before using this corner. We wale a mile $s$ to the Corner of sect: 7,12,13,18, on the range line bet Townships $135 \mathrm{~N} \cdot \mathrm{Rg}_{0} 29.430$. W. Where U.S notes call for a pool and the foleurving Rearing trees:
Riv 8 mich $N 59930^{\prime} E, 26$ hb $=17.16 \mathrm{ft}: \operatorname{sic} 10 \mathrm{inch}, ~ N 35^{\circ} \mathrm{N}, 6 \mathrm{lks}=3.96 \mathrm{fcet}$. Wii 8 mich $s, 33^{\circ} \mathrm{N}, 12 \mathrm{lks}=7.92 \mathrm{ft}$ : Gap. $10 \mathrm{mch}, 554^{\circ} 30^{\prime} \mathrm{E}, 56 \mathrm{lk}=36.96$ fecit. $\rightarrow$ find the stumps of all. four Leaving thees, also an od square stake which checks fine for course and distance with the stumps and 3 drive an iron monument for the true sec car being galvanized iron $2 / 12^{\prime \prime} \times 4$ ft long capped on top and as all timber is dead emile s Bury your stores for healing aofolvus: stone NE 46.70 oft: in sec 7 is tone $N W$ + 6 . Toft. in sec 12
Stone Sw 46.70 feet in sec 13: Stone SE46.70 feet in sec 18 .
And from this true ion cru. We nun $N$ bet secs $7 \not+12$, Magnetic vas. kNeads 8\% E: At 994.40 ftwset hut in hushed out road. Quit for night. E. B. Horst. Nov.2,1916. Thursday. E.B. Horst transit and Chain, Bole and Blida Chaining 9.L. Theine ave and flay, Continue $N$ on range line tet sec $7412:$ at 2679.60 ft. $N$ set hub, from which a stone pet buyivithallett for the $1 / t$ cor set

SURVEY－RECORD－315

『レベ
TWP．135－FG．29－5EC．5－6－7－8－18．
TWF．136－PG．29－SEC．31
TWF．135－FG．30－SEC．1－2－11－12－13－14 TWF 136－FG．30－SEC．36



E3．60 ft：At 3923．80 ft ．N set hut；At 529700 ft v set hut on random line E4W metres 1412：The sw angle of rüy two random hires is 90年＇：At station
 recognized bin the oed settlers for the jest $=2$ yeas as being the true cor to secs 1， $6,7 \% 12, T, 135, \operatorname{tg} s, 29 \times 30$ ．S accept this as the true corner prom settlers evidence as it is in the center of $a$ $N \not \subset S$ graded wagons road established 18 years ago．This corner sets of a logging road grade EHN and is iso ohs of sail grade．From this stone corner we runs East on random bet secs $6 \times 7,7,135, \mathrm{pg}, 29$ ，Magnetic var reads $7^{\circ} 75$ E，running，thu a field．At 942 gt E leave field：At 1075.20 fth set hut in center of Graded E＋W road．The wW angle to grade is $21^{\circ}$ ：At 2230.70 ph．E set hus． It 2951.00 oh．E set tut：At 5089.00 ft $E$ set hut on $s$ side of $E+W$ rand and in the center of a road running $s$ to port view School－Nouce At thispoint 9 find two standing PA Pine Leaving tres and a stump of a 10 inch tree all marked with a timber scribe．Sect as 9 have $n$ Notes for secs $5,6,7,8, T, 135, \mathrm{Pg}_{\mathrm{g}}, 29,9$ do not know if they are the U． S ． hearing trees ar not． 9 take courses of the thees from hub $5089 \mathrm{gt} E$ Then we return to hub 1075.20 of h．Et range hive and run the course of the oed logging livid grade：Righting w on random levee 2 turn telescope 21 to the right and ruin wndoo ft to the paint．of curve：
thence to the left 30 and rum sw 915 pt．Rough eRwin to where rand thence to the left $30^{\circ}$ and run sw 915 ft．Rough elvin to Where raxdoph hive bet sees iq 12 ，crosses the logging road grade at station 4812，20E We then Regin at the stone cor to bes 1，6，7412．Stale and Hivida chaining． 2 set large flay at this corner，then take transit $r$ on hight print and set it on line Let the SE and the NE car of see $1, T 135, \log .30$ and chain N．At 1 to ftiv center of logging rad grade．Grit tar Night Nov． 3 rd． 1916.7 Friday．Horst transit and chain LE．B．Horah．
and with the same crew continue $N$ bet sees $1+6$ ．Paving set large sights at the SE and NE Cor of sec，I set transit at station 2700N，Where 2 can ce e fath sec corp，and work transit on hive and chain $N$ the Lalance of the mile along the true line，5315 feet at station 2657.50 pt ．N we set $a 2 \times 48$ inch iron monument teeing a Railer－tube for the true $1 / 4 \cos$ bet sect $1 \times 6 . \pi 135, \mathrm{~N} \mathrm{og} .29730 \mathrm{~W}$ set in the graded road running $N+s$ on the range hire．He walk North along the road to the Twp．Comes where we pull up the $2 \times \mathbb{F}^{\prime \prime}$ stake and put in its place $21 / 2 \times 48^{\prime \prime}$ iron monument，caped on top，pom galvanized icon and set four stone hearings as paceows；
Stone NE， 46.70 feet in pec 31：Store NW 46．70 ft．in sec 36 Stone sW 46．70 fut in sec 1，Stone SE 46.70 th in sec 6
For true Tug．Corner，T． $1357136, \mathrm{~N}$ bey 29730 W ． 9 receive K .5 ．notes from County Rurveyar Curs and we go to the corner of sees，5，6，7，8，$, 135,0 \mathrm{~g}$ ． 29，Where uss．notes scale for a post and the following bearing trees． bekjeine 8 inch，$N 61^{\circ} \mathrm{N}, 359 \mathrm{lk}=236.9 \mathrm{~A}$ fact
aspen 6 inch s， $45^{\circ} 30^{\prime} \mathrm{W}, 289 \mathrm{lko}=190.7 \mathrm{~A}$ feet．
We find the NW bearing tree broken off at the stump lying on the ground the pogeear but turned off at the ground，but checks for course
distance with the $w$ w thee and From these two 2 pet a $2 \times 48^{\prime \prime}$ iron monument being a toaliv-tube at point for the true car to pees $5,6,7,8,7,135,0 \mathrm{~g}, 29$, with bangs as follow o.

Fine stump $527^{\circ} 05^{\prime} \mathrm{W}, 33.20$ ft in sec 7 : Opine $10^{\prime \prime} 5,60^{\circ} \mathrm{E},-28$. 70 fth in sec 8
s 0.05 of a twat. ho correction of random line nece der pecs $6+7$, this cos sets 50.05 of a foot. ho correction of random line necessary. The U.S. Chain of this mile calls for 5082.00 ph and is 5087.00 ft my chain. The correction $E=$ 00098 of a foot in each fh-esst. At potation 241840 th E we set a $2 \times 48^{\prime \prime}$ in monument being a toiler-tube for the true $1 / 1$ corner bet secs $647,7,135$, 19.29, then walk west to the stone corner bet secolf $6,7 \times 12,7135,090=29 \times 30$, where in peace of the stone we set a $21 / 2 x 48$ "galvanized capped in on phoniment for the true section Conner with hearing o as foleovio: Stone NE 46.70 ft in sec 6 (hurried) Atone N N A 6.70 fth. in pes. (berried) the correction for the pile of random bet secs $1412=5297$ divided by 7840 $=.00914$ of a foot Douth for each foot east. Hub 4812.20 ft $E$ goes 544.00 Pt. tub 3098.60 ft. E goes 528.33 fth: The it conner at hut 2077.00 of goes 527.20 ft. where we pelt a $2 \times 48$ "iron monument hung a toiler tube for the toe it cor bet secs 1412, T.135, oy.30, and continue west: At 2328.80 phi run 521.29 feet to tire line: At the request of Pasture fohneon 9 set a $1 / 17+36^{\prime \prime}$ gas pipe at station 1323.50 ft. E and 12,10 , th S for the $w 1 / 16$ cor bet sect 1412 , TV. $13.5, \mathrm{leg} .30$. Tut 413.60 E goes 53.78 phi: at the corner to sections $112,11 \times 12,7130$, pg. 30, 2 dig up the stone pet by The. folmson and put in ito pere a $2 x i 48$ "i non monument. We Walk to the pone $1 / 1$ corner set by Haleett bet secs 7912 , and set in itisplace a $2 \times 48^{\prime \prime}$ ir on monument for tamp. $y_{1}$ cor, which may not be correct. Nov. 1,1916. Saturday. E.B.Horat working For. E. L. Wheeler, begins LE.B. Front. the survey in sec $12, \pi, 135, \operatorname{pg}, 30$, to locate the center of the section and the frundary lines of the $N E$ quarter. Horst transit and chain. Hurley transit and 300 foot pei tape. William Side chain and aye: Clarence Wheeler are and flag; Ernest Suttee shows about where the $1 / t$ post bet pecs $12 \times 13,7,135$, p. 30, used to stand and where $x . s$. notes call for a post and the following hearing trees:
Oak 8 inch, $N マ 2^{\circ} E, 27$ lh o $=17.82$ feet: Alt 16 inch $, 550^{\circ} \mathrm{E}, 3 \mathrm{lks}=1.98 \mathrm{fech}$ 2 find an oak, scarred on sn pile and after cutting to the bottom of the scar, 9 find oed timber scribe marks, this being the oed NE bearing thee $\rightarrow$ also find a large oak stump burned off at the ground which checks wit k
 Nobs: I set a $2 \times 48^{\prime \prime}$ inion monument prom the NE beanigtree for the true 1/4 corner bet sees $12413,7.135$, pyy.30, After chaining $W$ from the SE car of sec 12 to this point to make pure that this is the correct place and find the distance 2626.60 feet 9 stout a line $N$ thru the center of pec 12 on $8 \% 18^{\prime} \mathrm{Var}$ at 419.80 ft set hut: at 1638.50 fth set hub: At 2646.00 ft $N$ cross wire fence: At 2650.00 Nset hut: at $31.43 .50 \mathrm{gh} . \mathrm{N} \mathrm{pet} \mathrm{hut:} \mathrm{At} 4369.40$ ft N set hut: At 4915.00 ft. N set hut in center of logging road being oed
 ft: at 5296.00 ft. $N$ intersect $E 4 W$ random line, 2 read the angle of the $N$ + S1/4 random tine and the random line on $N$ side of section 12 and find
the sw angle to read $89^{\circ}+6^{\prime}$ Quit for night Horst at E f Wheeler for dinner and over night E 13. Hovel,

Nov 5, 1910 Sunday. EB.Aost transit, chain and axe. Clarence wheeler axe, flag and Chain Hens Bibdahl, Apeman, we erect a pole at the temp.i/t corner on Aside of sec 12 and walk. Walong the vire fence aback ifs mile and set up tramaik on $s$ side of fence, then qackicight $f$ to temp ifs corner: Transit telescopes and pet point of interaction hut $F$ o $w$ on the Ny RanLomy/tine, then Host and Vheclin go back and chain w on the It live: Hibdahb act $1 / 4$ hive $w$. $A k 1235000 \mathrm{ft}$ w enter divined tamarack pevanyp:
 set PI hub on NoS random line at a point $26 t 3 n t o f$ s. She NE angle. of the random line is $89^{\circ} \neq 0^{\prime}$, Continue wed
 con bet pecs 11.t12,T1135, pg .30, where U.S. notes call far a post and the following bearing trees:

 running the iliboundasy of pec i12. E. B. Horst You .6,1.1.16. Thonday. past anal pare prev Begin at the corner to sections 1,2,11\%12, Tupp.135, Dg Bo, just set, wee which $\rightarrow$ pet the trancich and right $E$ on Random le ne, then turn sE angle $8^{\circ} 9^{\circ} 3^{\prime}$ and nun.

 at 2388 th s intir open hay meadow: Ah 26.56 .00 .1 . s intersect Et random $1 / A$ line at a point 5263.60 ot wisher the NE Angle Readsqu $0^{\prime \prime}$. We look again far the $1 / 1$ corner ( 0 to 7 at 5) but find Thotheng and continue $s$. $a t 2850$ th 2 lew re hay meadow: at 3510270 ot $s$ set hut: $A+z 200 S$ enter la ge viva mp: At ta toots offoet wiz 5 ft. so as to chain ar wound hag. ak 5274.70 ph s set hub end offset back 125 ft n true random line. We lois you the bearing thees at the Cor to secs $11,12,13 \% 14, T 135, \mathrm{deg} .30$, where usS. Notes call for a poet and the following hearing trees:
Be pine i inch, $N z^{\circ} E, 100 \mathrm{OB}=462.0 .0 \mathrm{ft}$

Be pine 16 inch, $S, 130^{\prime} W, 725180=418$, 50. ft.
Doper 11 inch, $510 E, 850 l \beta_{0}=561$. 00 ot
Tue ind the sw tree in sec lt s lying on the ground with blag turned up And grown veer with moss: Due serape off the moos and find oed scribe marks and from this tree 9 set in on monument fou tue section cor, being a $2 \times 48^{\prime \prime}$ boiler-flue set ins $W$ central point of a large tog. ALt
 q Ret trio oak potto for hearingots this coiner being -................... Post s $45^{\circ} 5,4.70$ ft in pec 13:. Soot $45^{\circ} \mathrm{W}, 46.70$ th in peck. Wot thing ark jook $4 \times 48$ : Tue then return $1 / 2$ mile $N$ and set the $1 / 4$ Can Ret pecs $11 \not \subset 12$, ac follows:


386

315-CONT.
 which the correction back equibisz 1170 divided buy 44 as o and ifguals . 00842 of $a$ foot $w$ for each fork $N$ po that heck 4915 phingoeo w 41. fo gt: Hut 436940 N goes w 36.80 feet A tub 3173.50 N ques $\mathrm{W} 26.48 \mathrm{Ht} \cdot$ tub: 2650.00 th. N goes W22.32 ft Quit for night. E. Bret. Ar
Nov..7, 1916. Heeday. EB. Print transit and Chain. Clarence wheeler asp
 Ped gene about 20 ft $s$ of the new fence, which was built fin m the prevent $1 / 4$ corner on Each side of sec 12 , and as 9 believe the It stone on the E Rile of sec 12, tho been tined; $s$ have Ale Suede, E Lute and Eq. Wheeler, come to the $1 / 4$ cor and from their evidence g Gond that the $1 / 4$ corner stane has been moved $N 25.30$ Feet from Where tablet first placed it, $\operatorname{si} 9$ pull up the ion monument which is Nad peaces at a point where: found the snacked stone x nd wet this sire iron monument 25,30 fth $s$ and 0.30 of a fork west which valses it equi- distant from the NE and SE corners of Rec 12 , and an a straight bind heb Avid corners. S figure Correction you the Eland w randoin line thru center of sec 12 , as follow os:
\& 10 feet plus 25.30 ft into 5270.20 ftrequale 007476 feet s for each

Lit 261500 W. goes s 5.75 feet aver which, set transit on corrected herb
 line. thin seftraneit on corrected nut at 2650.00 N and intersect the True E ow enter line with the true $N \neq s$ center line where $\theta$ set a $2 \times 48^{\prime \prime}$.. iron monument being a toiler-twbe-for the true center of sec 12, T, 13-5, Dg 30, which $\theta$ mind up with dick and set a 6 foot guard pta be Which concedes this Awney. In Afternoon Clarence wheeler takes The and outfit to Pequot where 9 take train for Walker. R.P. face 85 st
Surveyed Qitaber 31,1916 to. Now 7, 1916: Recoiled 30 fard 1917

County Surveyor Coss County, Thinnesota,

# TWP. 140-TTG.26-SEC. 10-11-12 TWP. 140-RG.25-SEC. 8-12-13 

Fill notes of the rurvey of roado and the estaplinhment of the Coiners and temporany corners, also oed and new beasing thees in

 read as foecour:
Fied note, of the continuation of the County Rovad pervey as deguen on Dec 10, 1916, nunning on E + w l/ line thre sections 9,8,7,
 Jon $17,19,1$ Wedinesday. A. Wrowak urth surley transit in perfoct aljustiment and 100foot Clicags ptecl tape le wes Walkerlakl6:15 PM. va St. Northern. P! R. Arrive in Cass bike at adout 70 elock Div. pupper and hed in statel Endion. Quspare at Walkes heing auto with dellucy toves to sth Tow depot, so cents. De Ne fare waker to lass dake 49 cento.
 at Rhovel Sake at 12:top.n. Q.eR. Yare ssi11. D an toed that 2.7. Richardo is out of town tut is to arrive with the zisothainfrom alandena: A whit for thin. We take team and drive to his peare. Olcilards tilles me about a mile of radt thy want me to run for them th is a long the 5 Ct Princifal Meridian 7 ram the NW carner of Tup. $50 \mathrm{~N}, ~$ 那. 27 W to NW
 As 9 lave only two men to lefp me s decide to rux this, mile givat ugore continueing ble County Pooad. Doard with piclards. A. Nowak. tow.19,1997. Fiday. Dhe 7hacter chirn and feag. Howard Parker aximan,
 puppore to he the Eline of ree $13, T 110$, Qf. 25 W, 5 th poM. On line het Cass and Aitkin County. Lne find $a+$ th poot aquared, net as 1 an toed by Thavin fuatson. There is a A rad rad cut out running sfrom thispocet. S set over poot, hackeight s on center of road. Thagretiv Var reado $10^{\circ} 30^{\circ} \mathrm{E}$. Thy Jewath peat alrwo. the hage line to ruin on $8^{\circ}$ E. There is a diotinct crook noticable in the road rin by wation. Iset the instrument on $8^{\circ}$ var and rux a random hine $N$ up hiee using dowble centers: At 197.67 gt. $N$ drive tack in loy: At 220 drux hiee: atr 300 enter pwamp: At 420 ft $N$ leave pewampo enter high ridge: at 1003.80 tack in log: $a_{1} 1702$ tack in log: At 2067 tach in log: at 2552.50 tack in log: At 2600 down stup hive side: e 2620 foof of hee: at 2896.70 tack in loy: @ 3000 pt $N$ enter thick ppunce and tamk: At 3199.70 tack in log: At 3602.20tack in log: at 1.0l99.50 tack in log: quit for Night. A. Towak. fex 20,1917. Ofturday. Rame erew Contime Random fine No th:


 attormined this cor big intersecting the center line of the road revering $E$ into Shovel Sake, and the center He Ole rad numbing s to to hie of sect 12 ,
 correct one -eh chin the whale distance and jerid ole come ale rejpt. Ry re e chiming 2 start finest tran vi corine of recess, the faint 52 to conesponcing to 280 ft t of my fiat chaining free on a rile ge thieve find Many





 fan 22,1917 Monday. Abe mustiv has promised to come with team and take me and Frowner bike to pee 8,7140 , dg, 25, where 2 intend to finch the correction of the 't line, begun on ow 15,19/0. abe did not plow up. Howe parker had come to decihalis peace and wasted until 10: A. M. He Veto $1 / 2$ def.
 all He min working in the woods, and making tetter wages than $\%$ can offer them. Con kin Hung promises to kef. A. To wad.
 Young chin and fer g. Abri how at transit and chin. Tue meet at
 the survey if to the a tandonel homestead of Thu. Dorky in the $5 / 2$ of
 the road, me did not arrive the untie after II' Clock A. M. A ave damien Tin field, then we wield to the 1/ coiner bet sees $1,1,140,0$ g. 207 , and pea 12 ,

 th. W drive tack in log: at 9.92 .85 fth. w drive tack in log: at $1504.00 \mathrm{fh} . \mathrm{w}$ drive tack in log: atilsoftiw enter swamp: At 1900 th $w$ leave swamp: At 1998.25 ft W drive tack in log: at 2362.60 W tack in log: At 2580 W enos Wagon road: at 2850 W enter sevamp, tamp and pounce: At -2 876.60 of
W drive tack in log: At 3500 W leave swamp: Ah 361 . 60 th $w$ drive tack in W drive tack in log: At 3500 W leave swamp: Ah 361.60 th $w$ drive tack in
log: Tue set a wood stake every 100 to manned with the number log: The set a wood stake every 100 pt marked with the number of get
West. Transit hive is run by drabble enter hut: Git at $4 P M$. An

fan 24,1917. Wednesday. Dame crew: Abe Thaster with team drives us to Thecshawis place, in the NW quarter of the sw quarter of sec $12, T .140$, pg 26
-Regin at 1 : A.M. Continue random line west. At $3999.80^{\circ} \mathrm{fh} \cdot \mathrm{W}$ set But Begin at II: A.M. Continue random line vest. At $3999.80^{\circ}$ ph. W set inch wi th tack in lay meadow: at 459460 ft w tack in log: At 5008 of. W cross wood fence: $A$ f 5300 th. Wet hel and tack. from hub
: TWP. 14-0-RG.25-SEC.12-13.


Graded Rood to Shovel Lake


SURVEY－FECORD－316
㠯レヘT
TWe Mo－pg．25－sEc．



 This post is a $4^{\prime \prime}$ squared uppoine port Ret $a_{s} \rightarrow$ am toed
John steen of Remex．Ate bait notes atithin $1 / \cos$ tet secs $11+12, T 110$ ，曻．26，ale for：
Lop． 4 inch，$N 86^{\circ} \mathrm{E}, 118$ hs $=77.88$ th：B ir．Bunch， $510^{\circ} \mathrm{W}, 142 \mathrm{lhs}=93.72 \mathrm{KA}$ The Aspen is gone．I find an old decayed otcemp which checks exactly for Course and fairly well for measurement for the Birch bearing tie e．
the nev bearing bes 4 barked buy green are as follows： The new bearing bes unarked try green are as follows： Nor．pine 12 inch $N, 29^{\circ} 30^{\circ} \mathrm{W}, 30.90$ feet：pajo． 12 inch $N, 11^{\circ}$ E， 14.18 feet． Wi pine 14 wish，$N 7 A^{\prime} 30^{\prime} E, 29.22$ fth baches timer from $8^{\circ} 00^{\prime} \mathrm{E}$ ．
Beginning at the $1 / 4$ posh bet secs $11712,7170,0 \mathrm{Fg} .26$ ， ，run a random line west thu Rec II，on 7．00＇Vair．E．Land iv level：At 222.20 ft．W drive tack in log：At 602．12 ot w tack in log；At 1113．10 ot．W tack in
 in clearing．Quit tor night．A．Nowat．
Aan．25，1997．Thursday．came drew：Abe Thaotes drives to thetper random line west：At 2701 ft W．drive tack in log；a wire fence is 513 paces and hears $E+\mathrm{W}$ ：At 3597.90 th．W tack in boy：at 3822 ft W tack in log：At 390 多h：pet pin on high bank of male lake．at 3920 enter lake：at $440 \dot{\circ}$ leave lake：At 4 ＂50：5．30 tack in log：At 4950 tack in log：Qt 5292.50 thin intersect center of state Highway $h_{0} .83$ ．Serge $A$ ．Nalphis fried nates on $1 / t$ earner bet． secs $10411,1+0-26$ ，Calls for new B．T．s．as poeevos：
Oak NE 64.50 ft ：
Thaple SE 91．50 oft：
There must be a mistake in them for on the E．Midi of the hoad no trees whatever．The land is sivampy．How newer ow the $w$ side of the road in sec 10， 2 find bath heaving trees，from wash $\theta$ establish the $1 / 4$ Corner bin feat measurement．As evidence that 9 rave the exact Coiner 9 find that the point $\theta$ establish is in the center of an old cut out bine which Thetger est．Beginning as he kayo at a stake set buy the State En never．At 5292.98 fth．W on my random hie the It Corner bet Reck $10+11, T 140, \lg \cdot 26$ sets $N 49.80$ feet．The bearing trees to the $1 / 4$ corner stand as folcorns：
Qak SW 64．50 feet in sec 10；Thaple NW 91．50 feet in sec 10 ：
Hid dinner at Thitgeris：Quit for Night A．Nowiat．
fan．26，1917．Friday＇．Name chew．Abe Toaster drives ins to thetgeris，peace． We correct the random line thin sec $I, T 140,0 \operatorname{Di}, 26$ ，and set road center． At 5292.90 Withe $1 / 4$ corner bet secs $10 \% 11$ sets $N$ t 9.80 yet：we set North 0.009408 of a poof for each foot west： 4950 isth．w ques $N+6.53$ feet where wive set road enter stake and take hearungo as polcorvo：
var pine 12 inch，NW 52，15 feet：Nor．pine A inch $5,47.60$ feet 4505.30 ft．$W$ goes $N 42.35$ feet，where we set stake with bearing as foll Tamp 5 inch sw 60.83 feet：Tamp 7 inch $N W, 71.10$ feet．
3822 W goes N 35.93 feet with hearing as follow：
SW car of Thetgers house bears $85.15 \mathrm{fth}^{2}$ distant＂The SE car hrs due N， 71．6．5 feet distant．

Thut 3597.90 ft. $w$ goee $n 33.82$ fuet wich bearingo deing,
Qak 18 inch, nouth 85.00 fuet: $a_{1} 12$ inch sE $0-6.90$ jeet
tut 2701 Hh w gree N 2 A 49 fuet with herringo teing


 conresting this hine we choppel a tole in the ine of the luke fiuch of of Thetirs house and pind the water to he spt decp and Thue tottom.





 Ain 27.1917. Stcturbly. Ame crevo Abe Mastor drives us to Musteris oid homestend on the $N$ half of sece $\theta, t, 170$, og 205, where we contimue Hur oed tranait hine Eon Mudom thme center of pec s, setting dowble centers without ehining, tubs and pichetto. This hine

 fan-28,1917. Sunday. Howoed Per ber and A. howak working. We wals To the $1 / 1$ cor het peso $8 \times 9,7,170,0,9,20$, chain $w$ and correct the hebs and Reibetto, setting road center. Figuring nom the random line then

 1/t corner-het sus $8+9$, neto 516.50 ght the convetion $=0.003075$ of a poots for
 wite the number of fuet chuined Hect and deduct the proluet fhom 16.15.






 Guit for rujet. A. nowak.
DotE: In masking the survey of proposed road aling the entaly side
 Dake pet by Martin Wateon, ao the NW comer of T. Ob N, Ry, $27 N, N$ to

- A print in the giaded road nimning East 2 do not considesthis line as the tive rast line of recs $12713,7,140,0 \mathrm{O} .25$, and is stated to Thr pichuce who employed ine for this survicy. A. Towat.
fax. 29,1917. Monday. In A.M. 2 work on field notie and in Pr $n$ The Richards divirs me to depot in phoct sube where a take the too train for pemijgit at 2: to p.M. R.P. fuce $\$ 1,11$. Supper at

Watel Tharkham. Leavie Bemidji ak 11 : 25 p.M. P.p. fare 69 cinta A Nowak.Gan 30,1917. Luexday. Arrive in walker at 1A. M. Dtay at Hotel Chace. Woik all day on fielel notes concenning the finishing of thio surieg. A. Howwar.

$$
\text { Lurveyed fan } 17 \text { to } 30,1917
$$

Feciviled far $3 i$ 1917 Pounty Leveryre
Cass County, Thinnesoto.

TWR140-RG.28-SEC. 5 -6 TWP.141-RG 28-SEC. 17-18-19-20-29-30-31-32-33


# TOWNSHIP-140-FG.28-SEC. S-6 TWP. 14V-RG: 28-SEC. 17-18-19-20-29-30-31 

32-33
Fied notes of the survey of a county borcl unning Touth and Douth hetwein Rections $19 \times 20$ and bet secs $29 \times 30$, T.141, $N$ Range 28 W , and the finding of oed Hoit tearing trees and eveablishment of new coiners of sectorns 546 . Townalip $1 \neq 0,1 \mathrm{Tg}, 28$, and pection $17,18,19,20,29,30,31,32 \times 33$, Tiop 171, Dg. 28, as surveyed hy E. B. Howt, Weputy County Surveyos.
 Walker for Hackeneack at 9:28A.M. via M+I.R.J. fare 33 cento. Arrive at Hackeneack and as 1 arn unable to get out of town defore nooo o get dinner at Sarrityj totel-35 ento. 2 have Chet fleivler. Thak a new flag joble \$1,25. Yn P.M. Charles wood with ford car takes thant and surval outfit and sit vion monumento from trackenvack to Sterge C. Villiama farm, in sec $30, T 1 A 1$, of 28 , where 9 make arrangemento to foud while in Rwrvey of County Poad. The County Poad is to degin at the Ocd Pail DEad grade detweex sees $19+20, T .141,0 q, 28$ and ruens on sec line to the cor of pees, 29 , $30,31932, T, 141, \mathrm{~kg} \cdot 28$, connecting with the E T W Longieile-trackenpack County leoad. We arrive at theoge C. Wielians at 5i 30 PM 9 lake K.s. notes and compass and welk to the con of pecs 28,29,
 establivhed for the true sec cor. 9 retwrn to Heorge Wielionso For nupper and over night. E. P. Nonat.
Nov.25,1916. Nost tranact and chiain. Itarry Willioms flag-man. Frank Nilliams and tonas buchhite as aremen, walle to the
$28-29-3 z-33$ iron monument at the cor of secs 28, 29,324331, T141,1g. 28, and otact a hine $w$ trom this cor which was extablieded by surveys
v1'5: "fames 0. Thidilleton. Var $8^{\circ} 45^{\prime \prime}$. On P.M., Itort, Frank Vieciams and Ionus Bueftite continue $w$ on line ve eut atout 3000 geet but do not chain any to-day. Land verys relling. E. Hosst. Nov. 26,1916. Sunday. Ftorst at Steorge Milliams ale doy. Nov.27,1916. Thonday. E.B. Hont transit and chain. Thant Cliceiame yey Ond are. 'Onas drukhite axeman. contince bransit hire won hendom Let seer $29 \times 52$, and, secs $30451,71710 \mathrm{Og} .28$. Howet and Wielinms Chain
 f dmes 10 . Thiedleton, foir the corner to Alctions $28,29,32 x=3,7101$, Dg.
 Townshije Dead, Ling the Ttackeneack-Langiviee county Poad. At 1342 enter swamp: at 1518 phin leave cwamp: at 1589.20 gt W set hut and tack: at $=647.59$ fhiw we look for the $1 / 7$ con det sis $29+32, T 1 A 1, D_{y}$, 28, where zus. noten call for poot and the following
 We gind nothing but othinter we are too gar pouth. Ace timber

# badly burnt" Continue livest: at 3638.70 ft Wi set hut: Var Changes 

 4441 ft $w$ enter lake: At 5222 set spike in ice: At 5400 leave lake and enter tamp Revamp: At, 5509 pt . W leave Revamp: At 5670.40 pt. w set Ruth: Var. reads $10^{\circ} \mathrm{E}$; At 6069 ph. W enter sivamp: At 6600 ph. W, Guilt Chaining for to-day and cutch line about 800 ph: further .W. As the $2 \mathrm{~L} . \mathrm{S}$. Notes do not call for a post or hearing trees th the cor of secs 29, 30, $31+32, T 1111 \mathrm{Rg}, 28$, which falls in the lake, and as we find Nothing but a heaged line thee s of the lake we proceed to establish this corner by proportionate measurement in four directions. Quit for night. EBB. Host. Move 8,1916. Fucoday. E.B. Ho wt hansit and Chain. Heorge C. Nillihns Chain and flag. Jonas Buchhite apeman. Continue w bet secs $30931:$ At 6886 gt. W At 1835 W enter swamp: At 1935 enter lake: At 8785 leave lake enter pevanyp:

## ; 8882.6

At 8860 leave scamp i at 8882.80 fth set hut on range line. 2 set transit over last hub and backsight E on random line and turn NE angle $93^{\circ} 25^{\prime \prime}$ to Serge $W$ Thiller's survey Nub on true range line and nun North to the WN corner of sec 31 , a distance of 649 feet. At Station 8921.50 ft. 12 the west corner of pecs $30+31$, keto North 647.84 ph. En PM. We all look gas the $1 / t$ corner bet pecs $3 \circ+31$, Where $U .5$. Notes Call fora post and the following bearing trees:
W. pine 17 inch $S, 40^{\circ} E, 47 l k=31.02$ ft.
N. pine 14 mich $N, 12^{\circ} E$, to lb $=26.40$ ft.
We are unable to find any evidence
$\checkmark$
We are unable to find any evidence of this $/ 4$ corner and give it up. To obtain a starting point for $a$ North and south line bet pes $29 \times 30,9$ Figure a correction for a straight hive tet the $N E \operatorname{Cir}$ of sec 32 , and.
 Set the on ice at station $4471^{\circ} 06$ get $N$ and 324.67 feet $N$ of random line. I turn sw angle being $186^{\circ} 17^{\prime}$ and run line $s$ towaid $S E$ cars sec 31, var. about 20053'E. Tue cut about $3 / 7$ of a mile and quit for Night.
Nov. 30, Mot. Thursday. Thanksgiving Day. Moody works. E. B. Host Dec. 1,1916 Qriday.E.B. Horst thdncit and Chain. George. Wiecians
chain and Are. Hons Such lite Lear and ave. Frank vielinis are. chair and Axe. tonic, Quchhite flay and ave. Frank vileianis axe. From tut set on straight line by proportionate chain, being the temporary corner to secs $29,30,3143$ Ret in ice, tue jun south:

 At 3668.50 ft . s Ret heb: Ah 3818 enter Woman lope. At 4713 ish.s leave Woman Like: At 4850 s set hub in timber. At 5367 ito ph. $s$
set hut io of labe from whin 9 take hearings:
Pop. 5 rich $S E, 1.60$ feet: Pop. 8 inch: $N, 8,10$ feet.
take the field notes of 1 deputy County Nunveyor Harry S. Todd whee o cotabliskiel the it conner ow the slide of sec $3, T$, $t 1$, Eg. 28 , herring the Nboundry of Rec $s, T$, Peg. 28 .
Arptation $23160 \cdot 00$ pt $w$ on Todies random lesie bet $t 140$, and $T k / \operatorname{lig}$. 28, From which 2 Plain west to Rotation 26.516 .75 W on Tod de Mandarin lime and from thiopoint 2 Chain $N a t$ a $90^{\circ}$ angle 53156 ft, where I cit a hole in the ice and pet a stake, being a Cedarport for the s Corner of sections $31432, T 141, \operatorname{Rg} .28$, bering the $N$ boundary of pec 10,71120 ;
 55i5 continue the line 5 . Ah 5395 inter revamp: At 5492 ff .s enter.
 sets o. 10 of a jook. We then take the tools back to station o bering the temporary corner to secs $29,30,31732,7171, \mathrm{Pg}, 28$, set on icel. E.B. Thacot.

Rec $2,19 / 6$ Saturday. E.B. Host and kame crevobegin at ztceboo begin temporary Rec cos on ice and inn $N$ bet pecs $29 \times 30, T 141$, kg. $28:$ Qt 601 fth 1 leave lake enter powamp: Ah 887 thin leave swamp: inter high land: at 96650 tN Ret hit: At 1053 ti Nr pros taikinoack Roxguile County gond. At 1898 enter field: At 2050N leave field: Ah 2106.90 ph N pet hub on high hel: Ah z 700 gt Net hub and look for the $1 /$ ten tet secs 29430, WiNe u. S. No tess call for a port and:
The yonne so inch $N, 8.0^{\circ} \mathrm{E}, 27 \mathrm{lh}=17.82$ feet:
Wu fond nothing and Continue vi At 30.89.00 pet heb; at 3660 enter
 set hub and look for the car to pec $19,20,29 \% 30,1, i \neq 1$, deg nz 2, wace U.S Notes Call for poet and the following bearing thee:
$W_{i j p i n e ~}^{20}$ inch $S, 180 W, 2 A l R=15,5$ feet
W join 30 inch $N+4^{\circ} N, 2^{\circ} l_{0}=18+8$ tech
Whine 28 inch, $N+6^{\circ} E, 72$ l ko $=4752$ lech

We find the $N W$, the SW and the sEAGumps of the oed bearing trees, The sw And SE Ntimpos are plainly marked. Wee Cannot find the NE hearing tree stump. One stump is lo feet to for array and one is of feet to o Clove to check, as the NE hearing tree and neither check you sourive,
 Tue return to hub 4977.50 Nand continue our line $N$ to portion $5418 \% 5$ Hand pet hick uver which $\rightarrow$ set transit and right $s$ on random line Then turn from stow an angle. of $101012^{\prime}$. Distance to corner is 507.00 bet By latitute and departure at station 5553.80 pt. Nthe ear to pecs $19,20,29 \% 39$ Rets $W 531.48$ feet. Pict for night. $E$ B. tret. Rec 3,1916 Sunday. Horst bk leange Nilliansall day. fine day, no shoo onigiocind, up to this date very mild weather (reference). E. H. Horst Qec.4,1916. monday. 9 hive ksorgi C Wricianis to take me to Walker wt this car topeefw cero in regard to establishing the comines.

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 aselflag and chain, 7 Williamo and d. Buchitio axemin at the canner




 to poot and the yoclouting thening tries.

ODm unable to find anyoign yf crien on bearingu and we contince air







 quine now and this information reired as a delition inonk than a help.
 pice of the ot imp of the rel NE teaing the deing a pait Of the oid finibe marks Did wealis find partof the sp popean the ning be deaning rome meshe. She red wipine hearig thee lying on the giolund tean in soirke and we Find it has decayed to a dupth of inchew, there thec twe cheak gool



Gepae 5 inch $N 58^{\circ} 0^{\circ} E, 72$ 20 zech in real 1.
popp 6 inch, $1555^{\circ} 20 \mathrm{~W}$ 35 30-yect in pec 18
popt inch s. $27000 \mathrm{~N}, 94.70$ yect in ree 19.
Fop 8 inch is $36^{\circ} 00$ E 80.50 fett in pec ze.
Retiuming to hut 53.58.io ytivo tur SE ange yromour randoin line to He Ric ch just reh the angle reedo 92:55. Fnd diet is 16.0 .00 th it
 dividel thi $160.3 \%$ equals 029887 ga foot $E$ to lach you $N$ Puit trixidh

 Rnd Trank vieliomp correct the line hit sen $19 \times 20$, at 5365070






N Mun E 67.22 feet to truce line $\therefore$ fib. 162.3 .50 N goes 548.52 Hub 1098 N goo $E 32.83$ mech. Hub 747.50 N goes $E 22$. 34 Rect: it the corner of secs $19,20,2$ Ix $30, T, 1+1, R y, 28,2$ pul ult a wood post. and set in ito place a $21 / 2 \times 48^{\prime \prime}$ capped iron monument with the folloiving new bearing thee
W. pine stump 20 inch, $N 39^{\circ} 30^{\prime} E, 40.30$ feet in sec 20
W. pine stump 24 meh, $572^{\prime} E$, 68,70 zech. in Rec 29 .
$N$ pine winch, 52 $8^{\circ}$.W, 31.70 feet in aec 30.
Variation 8. 7 7'E, No other trees peas. Arch for Night. E. B. Hor l) Mic. 8, 19:6. Friday. E. B. Horst tran cit and Chain, with george C. Wrilcinis, 7. Whelians and g. Buchhite cut. true sec. line bet secs $29 \times 30, T 141,0 q, 28$, Liquid from truce earner on ice in lake. We set hut 966.50 phis on run dom line, west 89.98 it. to true line. Hub 2106.90 N , we pet West 199.8 oft to true line: We produce. this line $N$ to the section corner and s to the lake at $611.00 p t$. N of true corner 9 set a $2 \times 48^{\prime \prime}$ iron hon. ament being boils flue., in Duct side of puramp and 20 feet $N$ of lake. At 2767,20 ft. From sec corners 2 set It co v bet fees $29+30$; on the true live. This is a $21 / 2 \times 48^{\prime \prime}$ iron monument in $E$ Ride of emil tank. Newanf. Nh lion is a galvanized pigs having Capo on top. Ah 15152.33 pt $N$ of the $E$ Cor of pec. Sol te pet a $z 1 / 2$ 1 18 " capped grabanized iron monument being the point of intersection of the dec line and the stamdany hive of the beech Take Indian Reservation, the NN angle of the Decervation line phould te tout 710. Quit for right. E. CS T to st.
Dec. 9, 1916. Saturday. Et Br. Horst transit with same eneco. I send farms kuchict to ting iron corners From range line to Blog C. Wieliamplace. We go to pike or ice hear conker to pee.
 hive and 324.67 ft ? $N$ of the $E+W$ random line $\theta$ turn $a 90^{\circ}$ angle from a phaight line EA $r$, bet the sw corner sec 30 , and the SE cor of $\sec 29$, and chin $N(19.40$ ft and set a spike in the ice for the true cor to secs $29,30,31+32, T 1111,0 y$. 28 , over which 2 Ret the transit and set. Meander corners on tue hines Thoth, West, Mouth + East as follows: And set iron monuments being $2 \times 48^{\prime \prime}$ boiler tube. at 699.80 ft. W of the bine conner 2 set a $2 \times 48^{\prime \prime}$ iron monument on the sec line bet secs $30 \times 31$ and at a point 324.10 fth. of the conner 2 'set a $1 \times 48^{\prime \prime}$ iron ononument on the bur sec line Let secs 31+32, and at a point 924.90 ht. A To the the corner 2 set a $2 \times 48^{\prime \prime}$ in on monument on the the sec line bet secs $29+32$. Ale in Tupi 141 N range 28 w . We then go west to station $67000^{\circ k} 8$ yt on random line and chain $N$ $496.007 t$ where we set a $21 / 2 \times 78^{\prime \prime}$ Capped galvanized io x monument for the $1 / 4$ cor tet secs $30.431, T .141$, opp. $=8$, with the following new hearings:
 At station 2235.53 W on random line we chain $N 172.04$ feet

317-cont.
anil elf" $x \cdot 2 / 2 \times 48^{\prime \prime}$ galvanized capped ion monument for the $1 / 4$ conner

Taking lion ho pimento. Ne go. Rivith hel pees 31 and 32, and at Sta.
 $2 \times 48^{\prime \prime}$ iron monument being boiler. He for the the $1 / 4$ cor bet sect 31 $4321,1.141,0 g .28$. At station 5367.40 th. S on random we chain $W 0.20$ of a foot where we set a $21 / 2 \times 48^{\prime \prime}$ galvanized capped ion monument ow the tue $N+S$ sec line bet secs 34+32. Lt a point on paid sec line 115 ph. $N$ of the true SE cor of pec 31 , being the sw car of $\sec 32, T 1 / 41, \operatorname{De}, 28$ fort a Witness Corner to paid sections. This corner is ales 115 ft . T of the N . boundary of section $6,1.140, \mathrm{gg} .28$. and is set as. a Wit. Corner with following bearings:
pop. 5 inch, SE 1.70 feet: pop 8 inch, N 8.10 feet.
This is a. Witness corner 115 yt $N$ of the true cor which fall o in U oman the sw corker of sec 33 on the $s$ boundary of Twp .14.1, Ry. 28 , and the
hearth foundry line of sec $5,1.140, ~ R q .28$ where we pul up the wood North boundary line of sec $5, T 1+0, D_{q}, 28$, Where we peel up the wood post previously set buy Harry s. Todd, deputy County Surveys and put in its place a $21 / 2 \times 48^{\prime \prime}$ capped galvanized ion monument for the True corner with the following hearing o:
Basswood 8 inch; s $710 \mathrm{~W}, 73.90$ feet: Oak Poet NE A 6.70 Ret.
We mark this poat"WP"and another oak post sharked "Wi" We pet NW +6. 10 feet. The bearing trees set buy former deputy County Surveyor Foil at this point have keen gucbbed out the The construction of a rood. Quit for night E.B. Horst.
hlec.10,1916. Sunday. get survey outfit packed and after dinner, sfeorge Q. Williams with his car takes she to Hackensack. Nippper'ap Hackensack 35 cento. Wiehims Charge for car \$8 7.0.o. 2 take Mind- Night train to walker. E. B. Horses.

Wec.111916. Thonday. 2 take early Morning train from Alacpexoack to Walker. A.R Fare 33 cents. Train 1 Lour and 2 - minces late. Drive at walker at 5 A.M. Work all day checking notes and alecelations of Purvey: E.B. Trot.
Surveyed Nov 24 to dee 11,1916.
Recorded fan 1917.
County Aurvejor Coss Cacuty Dnennesot.

SlRVEV-Record-318
T. 141-R.28-SEC'S. 4-5-6
T. 142-F.28-SEC'S. 29-30-31-32-33
T. 142-R. 29-SEC'S. 25-3C

Field noter of the survey of $a$ County Road Knowin ap the Breviki Pounty grad Extenaion, which hegina, ak SECor of sec $25, T 102, \operatorname{tg} 29$, themee E $3 / 1$ mile, thence $s / 2$ mile, thence E $1 / 1$ mile, thence $s / 2$ mile, therice $E$ mile te the
 $\mathrm{dg} \cdot 28$, anit the establishment of iion corneve in peed $4,5,6,7,141$, Mg, 28, and secs $29,30,31,32$, $33, T 14,2, \operatorname{pg} 28$ and seco $25 \times 30$, $11 \nmid 2, \lg , 29$, as purvieyed buy and under the deiection of lohn W Cupio, Pvienty Nuvveyon of Casa Qacenty, Ninw. Dessiated biy E. B. Aprat, Nepicty.
 find noter and gel puriey outfitto-gether and leave valker at 5. pint Arth Walter thabermin and hio launch Crooo Leech Later, arsivinig
 and oren night with Ole Brewik. Eis. Haset.

Sph9,1916. Aatividay, E.B.Hoseh transit and Chain. Leo Qrevits, ave feag and ehain Aefred troe ans fohin A. Aerger byemen A Begin at a wool poot pet bing EAB. Hock 7 rom $u$. S. bearing trees for the con to
 o $q$ and nun Mandom line $E$ oni $0^{\circ}$ van: toret and Keo previh. woth 300 foot Chicago Ntel tape. Atout transitman : At 274.107 f . E set hei: $a t 615$ enter got tole: At 686 E leave pame at 37740 fh E
 Lut: at1630 E croci Croaked wagon noad: At 1948 . 50 ph E set hut: at 2792 Eset huf jrim which an oed poot pets 558 fect: At 2663.10 ft E loofe
 poot ind the fallowning heaving trees:
 Lel are gove, 2 pend ax old ptele but Niot $u$. s.post and we Continue $E$ : Beqins to rain at A; B PM and we quit for night. E B Horet.

Nejet 10,1916 Sunday. No work, raihed ace day Ntill ah brevis!. E. Nowat
 Chain: Alfred Boc and tohn Kerger apemen: we ponlinue East filf $30 \times 31 \%$ T142; pg 28, fromi ruif 2792.00 feet Eact: at 281700 fect Ewice fence, enter

 45.28.40 Epet hut: Ah 5100 Epethict: At 5280.00 feek set large ptape: ats5 5600 Esetherb: And look for thi bearingo for cor to pee $29,30, \ldots 1$ +32, T. 14 rigg 28 , where $U$. S notes call for a port and the folloiving bearing thees:

 F find the fown $u$. Seqriengtreec ale dead and down eveept the 20 inch cedor stiel standing $N 6{ }^{\circ}$ wimlinks..
of on the original powition off the old hearing trees o chacin out the required corvses and distaxce aind find an old stabe otarding ak the

## PLAT

TWF, 14-1, GG, 2B-SEC'S 4-5-6
TWP 14 , FG.28-SEC'S 29-30-31-32-33
「 TWETLZ,RGG.29-SEC'S 25-36.

proper place for the true corner, 9 pie up the old stake and drive in
 bearivigo are as follow:
Tamp 10 inch, $N \not$ q $^{\circ} \mathrm{E}, 56.80$ feet to tack at bice Ceder 20 inch, $\mathcal{K} 63^{\circ} \mathrm{N}, 8.50$ feet. to tack at bice. Cedar 10 inch, s $49^{\circ} 45^{\prime} w, 49.50$ tit is tack at bice cellar $10 \mathrm{mich}, s 3930^{\prime}$ E, 80.80 feet; to tach at base

Gee at 90. Vars. We return to hub 5556.00 feet $E$ on random line and cutiline pron hub to carmen. Corner Rets to the right $60^{\circ} 3 t^{\prime}$ a distance of 152.80 feet from hub 5556 E . The sine of $6034^{\prime} \times 152.84$ feet $^{\circ}=133.10$ feet. Cosine of same $=75.10$ feet. 55.56 .00 E added to 75.10 ghee $=$ 563110 feet $E$ from which point the corner to sections 29,30,319 $32, T 142, \lg , 28$ sets 5133.10 feet. The Correction of the random line Saith $=133.10$ feet $s$ in 5631.10 ft. East or. 023636 of a port 5 far each foot $E$ : One foot U.s. Chain $=1.06185 \mathrm{ft}$. Thy chain. S Ret transit over Corner to Rectione $29,30,31+32,7,142, \mathrm{pg}, 28$, and start candor lines bet secs $31 \% 32$, Var reade 月 $^{\prime} 30^{\prime}$ E: The angle of random lines reads 88:50'. Wee cut line $s$ to a fake $1 / 4$ post and quit for night. this hive not chained. A Cruisers scribed post ceto in of line s 2 feet intended for a $1 / A$ corner on $E$ Ride of sec 31 . E. B. Horst. Rept .12,1916. Hes day. E. B. Horst transit and chain, with same crew deicing
Brevik, Bo and berger. Continue pec. line $s$ bet secs $1+32$ on random Brevik, Bo and berger. Continue Rec. hive 5 bet secs $3 / 132$ on random 2. worked on notes. Nine. Cut $s$ to cor of pecs $31+32, T 11+2, p y \cdot 28$, and secs $5+6, T 141, \mathrm{Rg}, 28$. E. B. Horst. Sept 13,1916. Wednesday. E.B.Hosot transit and Chain, with came vied except Stiffen soc instead of Alfred Doe. At an old stake set by y Rome
one for a Rec comer on Town line to sections $5,6,31 \times 32$, bet Two. $141 \times$ iA $N \mathrm{NPg} 28 \mathrm{~W}$, where $U . S$ notes Call for a post the fallowing bearing thee Wipine 18 inch, $N 80^{\circ} \mathrm{E}, 20 \mathrm{lks}=13.20$ ot: W. paine 16 inch, $N 5^{\circ} \mathrm{W}, 12 \mathrm{lk}=7.92$ ot W. pine $25 \mathrm{mch}, 525^{\circ} \mathrm{W}, 25 \mathrm{lko}=16.50$ ti W. Oak $10 \mathrm{inch}, 553^{\circ} \mathrm{E}, 34 \mathrm{lk}=22.44 \mathrm{ft}$
we find W. Oak 10 inch, bearingtree hing on the ground and bearing scribe We find $W$. oak 10 inch, bearing tree lying on the ground and bearing crit Marks plainly. Ales find stump of w. pere 18 meh, $180^{\circ} \mathrm{E}$ and w. pine 16 inch, $N^{\circ} \mathrm{N}$, the lat true of which only the large roots remain. The courses are ale larger than called for in the XIs. notes, but as the bree s are the jed xis. bearing tree i without a dowbt, from them 9 Net a new port for the true coiner. Each goat in each course getting
0.30 of a foot. 1.20 fut 17.16 fut to conner. 7.92 feet 10.30 get to
owner 22.1 conner. 22.44 feet $=29.17$ feet to conner. 2 mark new hearings as poleous
 No other trees near. From this corner we rue w 830 Var on random line bet secs 6731 , While Berger and Bare continue Cutting line beet Host and previk he gin at the $V E$ corner of sec. 31 and chain $s$ or random lime: At sifts leave cedar swamp: At 213.205 a tack in poplar stump: at 388 sinter coff Revamp: at 5585 leave same. at 7ill:50 shut: at 1238.00 S hut: at 1704s cores oed log raced: at 1718 S enter smace Revamp: at 1820 leave same: at 2886.30 ot. She
at 2417.305 hut : At 3.300 S Carlonio tar peper housen seto E 15 . pect enter fied: at 3773 s.cross oed longuiele- loale: At 395.810 . S Tuki at 4446 enter $E$ pide of shallow pond: at 5038 S enter meedow at 5196 leave pame. At.5.331.10.ft.s hut: At ptation 5339. 7. ft. s. the car to pect $=$

 w for each foot south … sejining at the cor to beso $5,0,31.4=2$, , we elain $w$.
 at 94.0.90. ft.w set hut: at 105 aW enter meadow: at 12 At W W leave parne: at 1686.2 oft whet hut: At 1899.00 w seh hut: at 1907.70 Jt. W pet triAngulation hut: -7.0.0.E of omale lake, 7 rom which oturn a $90^{\circ}$ angle and eut a buve line $s, 13.60$ fect $\theta$ then cause a hut to be set on is, Dide of leke on true random line from hut 173.60 2t. $s 9$ oght on the over lake, inside angle reado 750\%:..t then go to a thut on $r$ side Of lake vier which o set trensit, Lackeight E on raxdom line., turn Helecopse to the right on tut 1.33.60. Angle reads 1750'. Sangent of $75.90^{\prime}=$ 3177595 . Acse line $=173.60$ 7t. Tangent times the bree tine $=5.42 .2080$. heing distance acwow lake het huk; added to $1907.10=21+60.60$. fh. Wh to tut oner lake. At ptation 2640.00 W . W.s. notes eale for it con Get cecs $6 \times 31$, bering port and the following bearing trees:
Elm $16 \mathrm{nich}, ~ N 20^{\circ} \mathrm{W}, 18$ lk $=6.60$ yti poop. $4^{\prime \prime} 55^{-6} E, 15$ ls $=9.90$ yect.
 Sept.14, P16. Thureday. E. B. Horst transit and chain, des drevit ave, chicic andflay. Dteffen wo and fohn berger aremen. Continue west het sesp $16+31, T .141,+142 \mathrm{Nkg} .28 \mathrm{~N}:$ at $24+0.60$ Yt. W -hut: at 3219.30 ft w tach in pini log on hiee At 3318.20 W ret hif: At 3865 enter sewamp: At $401+2 v$ same: At4911.20 Woet hut; at 5024 enter puamp: ats $=10 \mathrm{Lr}$ eame: Ot 52880 W the Tupp. Corner to Tujes $141+142 \mathrm{~N}, 02.28+29 \mathrm{~W}$, Marked hy an iron monument previously established neto pouth 30.6 feet. The NE angle of random with range line is $91 \% 2^{\prime}$. The correction Sof the random line $=.005795$ per foot. We fuale $N$ along range line 1 mile to the $N W$ cor of sen 31 , where 2 read the angle of the random $N$ toundany of sec 31 , to the twie range hine Routh. The SE angle reads 88033: Guit for night. 8. B. Atowt. Tept.15. 1916. Frilay. E.B. Host transit and chain with came crew po to the NE con of cer $31, T 112$, 时.28, where 2 get angle of random nee linies which reaido $888^{\circ 5}$. We then gos to Lut 12.38 .00 Pouth, From which we set a lut at station 1334.85 fects trom which we tirin a $90^{\circ}$ angle from random line, then chain west 34.25 thi and drive a

 set a hiut at station 2669.70 Jeets. From which we thrn $90^{\circ}$ angle
 bet secs $31+32, T 1141, d y, 28$, where we set a pquare wood post for the True $1 / 1$ co and maik new bearingo as pocewo:
pro oak 7 inch $N 7^{\circ} W, 51.80$ fut: Elm 6 inch $5,37^{\circ} E, 4+9.90$ fut. balking s to hut 3958.10 fh's we pet. a hut on rondoms line at lta.

400455 ph Prom which we chain $w$ at $90 \cdot$ to random hire, 102.75 feet to point for the true stile cor bet pecs $31932, T 142,1 \operatorname{lo} 28$, where ur drive post for the true $1 / 16$ covin $n$ wish iseginning at the true se cor of telescope, turn $0.020^{\circ} \mathrm{N}$ and stat random line $E$ bet secs 5432 . We after III 3 A.M. Host and crew continue random Township line East along s side of sec 32 . Seizer \& Bor cut line: Ho wt and Brevik begin at

 2640 the tue look for the $1 / 4$ can bit pecs $5432,7.141,4142 \mathrm{~N}$. 28 W , where U.S notes call for a posh and the following bearing trees:Pop 3 mich, $N 25^{\circ} E, 25 \mathrm{Ck}=16.50$ feet
Dee are gone and we continue $E$ : $a t 2750$ E enter fiede, 35 th s. of fence: at 2871.6 th t his in thy hot: at 30.3 .6 leave field cross Erickson'. drive: Af 3160 E Enter fillet field 40 th s of North end of field: at 3562. to the set hut: at 3.622 E leave Toilet field: at 3,70 set stake
 pare: $A t 400$ E the $W$ pile of school lot ah 476710 yt $E$ hut: at is 785
 Sept 17.1916 Sundry So work How h ene day worth ole Brevik Sypi18, 1916 Thanday. E, B Host tranich and chain Se i Brevik, Give, flag and Chain Stiffen Bor and John Berger axemensi, we look yo r the cor to Aec ot, $5,3,2+\sqrt{3}$, , bet Tulip 141, Ry 28 , and T. 1122, Dg. 28 , where 26 , 5. notes cull for jo st and the fochocring bearing tries
 The cannot find any trees oi tempo. Co chech-with note, tut gond a post And a 14 me dg pine, $s 24^{\circ} 10^{\prime} W, 74.60$ que from post and a 14 inch noisily S3555'E, 69.6 feet from pot. The gitine is decibel with see con, Twp and Range numbers the how ny bears no scribe marts. There are also two, 5 inch Red oak trees, bela ged and scribed, which to my judgement wen Forged 30 or 40 yedrajo, according tho the ago of marks and the gobwoth over the marks. Netter identify this as ting the original so it comer ais the pot where the red uss noway tree pood, which point chicks with post for course and distance, af which point 2 drive a new post for the true cos at the pare point the old poocestands, and we use the Above Lack and now way Pines for bur nus beaning. No other thees neat $I$ set transit over Rut 5097.20 ft $E$ and centime $E$, the corner Leto $N$ and to the lift $26^{\circ}+4^{\prime}, 163.70$ the distance, 16.3 .70 times sine. If
$26^{\circ}+s^{\prime}=73.60$ fth: 163.70 times co vine of $26^{\circ}+4^{\prime}=146.20$ feet $E:$ at dentation 5240.40 ft .E the con to sec 4, 5, 32 433 , T141+142, Ry. 28 set N7.60 fut h the correction of the random line 101404.5 of a foot $N$ for peach fork. From the pection cor 2 right to hub 5094.20 and turn

Sw angle $63^{\circ} 04^{\prime}$ and run ruxdoin line son $8^{\circ}$ Var bet secs $4 \neq 5, T i l A l$ Ry. 28. At 995.70 ph set hut: at 242.00 it s set hut: at $1517.7 \mathrm{ft.s}$ set his: at 2419.70 fls Ret hut; $a t 2800: 00$ ft. Sinter atwoodi fie d. Al 283748 ft . S, U: S. Note call for a $1 / 4$ port and following bearing to ca

 istabliahingthisiconex. We Contrínive random line Dow th
at 30.23 .6 .ft. S set hut; 28 yet $E$ of Mr. Ativoodi true. At 3453.60 it s set hut; at 350 tier phis leavifieed! at 3670.00 th sinter mall lake $E$ end: $a k 3852.00 \mathrm{ft} 5$ leave small labe $E$ end: at 163.00 this enter W
 curowagin road Et W: Ah 4380.50 th s set hut, and quirt for night. Ebithout


 At 5410.50' th set hick; at 562480 ts pet hut; from which the cor to pees $4,5,8,9, T 141, R g, 28$, marked by an ion monument and eotakiahed by th, 7. Baldwin sets $N 16$ to feet. She $N W$ angle reads $87^{\circ} 25$ : Que foot $\mathcal{U}$.S. Chain = 1.0558 th. Thy chain tue return to hub 4195 so gk iE on $N$ line If pec 31, and set a wood pooh at the point for the true Each it earner bet
 Line. Ques this yb coiner 2 pet transit fackoight on hut on naxdom line, reverse telescope, turn to the left $1 \circ 17^{\prime}$ and un sur the E $1 / 6$ line of sec 31 , At 205 these hut: quit tor night: After super a hire Hadermanis vow. boat and evinuide motor-boat and go across Leech Lake for ppeciel field notes. The night gets to dark to go on, No 2 camp on point Eff narrow until day light Leokuvic accompanies me. E.B. Alost

Apt. 20,1916 . Wednesday. How and tess Buvik arrive ak walker where $a$ at notes and necessary information and 2 stark lack across Leech Sake for
Brevki landing. Ad pe becomes very rough, but wee continue and arrive. Safe. Nettles claim we Roadie highest waves of any sow boat thy eves Lw in Lech lake: We arrive at jiM, then take iron monuments and walk to the corner of sections 25, 30, $31+36$, on range line bet twp 142 N ranges 28929 W , where we pull up the 10 ad hut and pent in its peace a $2 \times 48^{\prime \prime}$ iron monument being boles the for the true sec corner. The wood hub just pulled up was the bree pec cor previously established bis EB. Hort. Tue then walk $5 / 2$ mile to the $1 / 4$ cor bel pecs $31 \times 36$, where we pile up wood post previously established by sip. tool for the
true $1 / 4$ cos and put in ito place a 2 ts "ion monument being a boiler true $14 \cos$ and put in to place a 2148 "iron monument being a boilers fur e fou the true $1 / 4$ corner, quit for night E, Bi.thoist
Pep. 21, 1916. Thursday. E.B. Horst transit and chain fie previk; are, flay and chain John Berger and stiffen Bor Apemen. Boo and Berger Continuing same $a t 205$ th s bet hub; $a t 987.10$ hub; $A 11064$ sinter swamp; at 1232 leave same. At 1435 set heb; At 1950 s set hut: at 2673.905 set square post for the $1 / 16$ cor in the center of $E$ half of pec. $1,1, T 142$

Dy．28，which 9 twin the NE angle and start E on $1 / 4$ line．
PM．Rained，no work in field． 9 work on field notes figuring corrections for road centers．E．B．Horst．
Sept ．22，1996：Friday，8．13．Host transit and Chain．Name crew continue east on center line to the $1 / 4$ cor bet secs 31 and $32, T 1 \neq 2$ ， Ry，28，We intersect the $1 / 4$ car at 1343.50 forE．We then turn to the VIle corner in center of $E$ half of pee 31 ，from which we backsight $E$ on the true $1 / 4$ corner，reverse telescope and run $w$ to the $1 / 4$ cos on $W$ side of sec 31 ，no corrections necessary．We chain．$W$ along this line 1343.50 ft．$N$ ，Where we set $a 2 \times 78^{\prime \prime}$ boiler－Glue iron monument for．the true center of sec 31 ＂We then set $2 \times 48^{\prime \prime}$ boiler－flues being iron Monuments at the foclouning corners previously established in this survey and marked by wood poos Ot the North $1 / 6$ cor．bet sees $31+32$ and at the $1 / 1$ corner tet secs $31+32$ ，and at the slue cor bet secs 31732 ；all in Tip．142，首，28． At Sta．4200 Son E boundary of sec 31 ，we run 107.77 get N of random line being on $N$ side of shallow fond and 72 feet of of water and Ret stake on true sec line．At sta． 4800 th． 5 s set road center stake 123．17 ft w of random line．Correcting the line bet sees $5+32$ on Twp．line the correction is． 017075 ft．of a fork $N$ for each foot $E$ ．Retting road enters and comers：
at 756 fth goes $N 10.62$ feet．Hub 1310.10 Th．E goes $N 18.40$ feet to the true $W$ 少 6 cor Let secs $5+32$＂．Hub $1913.50 E$ goes $N 26.86 \mathrm{ft}$ Hut 2620.20 fth．E Goes $N 36.80$ th．To the true $1 / 4$ corner bet secs 5 532；Hub 3562.70 E goes N 50.03 feet：Nut 3930.30 E goes N 55.20 feet to the true E $1 / 16$ Cor bet secs 5x 52 ：the b 7767.10 pt．E gaps V． 66.95 fti In correcting this line we set square wood post to mark corner until we can set iron monument．Grit for might．$E$ ．B－Haret．
 Dame crew petting Road centers and section corners．We go to the V4 corner bet pees $485, T .141,0 g \cdot 28$ ，where $U, S$ ．notes cue for pooh and． Nor．pine $14^{\prime \prime} \mathrm{S} 73^{\circ} \mathrm{W}, 71 \mathrm{lko}=46.86$ hi Kor．pine $10^{\prime \prime} 574^{\prime} \mathrm{E}, 4+\mathrm{lks}=29.04 \mathrm{tt}$ I set transit over stump of Noway $14573^{\circ} \mathrm{W}$ previously located from which 9 run North $73^{\circ} \mathrm{E}, 46.86$ Rect and Ret hut，over which H Ret transit and chain S $74^{\circ}$ E，29．0．4 feet，${ }^{\circ}$ Which point the stump of the 10 inch norway sets $s$ \＆feet．The stumps check perfect for The asurencent but not for course，taking courses in consideration 9 set the con post where 9 drive a brilestube being $a 2 x+8^{\prime \prime}$ ion Monument for the true $1 / 4$ cor bet secs $4+5$ ，from the oed bearing stand as follows：
 we then return to random hive and at station 2897.00 .27 .5 this $1 / 7$ Corner just established sets $w 82.00$ feet．I set the transit over this $1 / 4$ Conic and sight $S$ to the ion comer to secs $4,5,8+9,7,141,0,28$ and set a row r of road centers $s$ along tue pec．line．To get around
a small lake at station 3619 ．70 feet $S$ ，figured from random lin a small lake at station 3619．70 feet s，figured from random ling
$318-$ CONT.
And min $21,5: 20$ feet, thence to the right $40^{\circ} 72^{\prime}$ and run 78.90 feet to the Rec. line, intevercting the Name at pta 3920.30 5, thence to the left $53^{\circ} 10^{\circ}$ biong.int angle of the sec levi to last Covered. At pta. 4586 true line intersects Marshy shove of shallow late on $w$ end. at 4764 ft. S. the true line leaves Marshy pho ce of lake. We return to tub 4380.50 ft.s on random line from which 9 set a hut on random line at Sta. 4260.90 S and from this hut we chain Won $90^{\circ}$ angle 49.20 feet and $45, T .141, \mathrm{eg} .28$. We retcrex $N$ and. Ret road centers $N$ of the $1 / \pi$ ear bet peps 445. One foot u.s.ehain $=1.0779$ ft. my chain. Correction $=1028$ th. Weer fools. that 1517.705 goes $w 42.50$ feet. at it 74.05 ft .s rupo west 41.27 feet and set $a \times 2 \times 8^{\prime \prime}$ bailer. Tube Mon monument foil the $N 1 / 16$ cor bet pecs $4+5$. Ant 495.405 goo $w 13.87$ feet. We use Leo previn; howe and wagon. Ale day hauling cion corners and to old along lines. Returning home we go to Tug. line and set $2 \times 48^{\prime \prime}$ brelentube ion monuments at the following earners.
At the cor of $32933,4+5$, bet. Ti $141,4142 \mathrm{~N}$ te, 28 w and at the Eth cor tex secs $5+32$, and at the $1 / 4$ cor bet secs 5432 , and at the $W 1 / 16$ en bet secs $5 x \neq 2$. Ales at the car to pecs $5,6,31+32,7.141+142, \mathrm{gg}, 28$. The correction for the $s$ boundary of $\sec 31$ is .005795 of a jot 5 . Wt $1285.30 \mathrm{ff} \cdot \mathrm{w}$ on random line and 7.45 fth we set a $2 \times 48^{\prime \prime}$ forler-tube iron monument for the E $1 / 16$ corner bet secs $695 \%$ Aet Rta'2570.60 phi w wive run 51490 ot and Ret $a_{1} 2 \times 48^{\prime \prime}$ toiler thebe iron Thonumint for the true $1 / t$ co v bet pecs

Dept .24,1916. Sunday. E.B.7toret transit and chain. L. Qrevile ave and Chain. Begin at the NW cor of sec 31 , we set road centers and irons bey secs 30x31: At Rub 274.10 fiE road center goes 56.48 feet. At 733.40 E, 517.33 ft: At 1426.17 ff.E run 533.71 feet and set $2 \times 48^{\prime \prime}$ forlevtube iron inonument for the $W 1 / 16$ cor bet pecs $30 \times 31$ ' Hub 1948150 E goes 546.05 ft. At $2827.81 E$ nun 566.84 feet and pet the $1 / 7$ con hel Rec 30\% 31. Nut 3561E goes 584.17 feet. At 4229.45 Erin 599.97 feet and set the Ell comer bet secs 30731 . We pull up the wood pooh previously set and set $2 \times 48^{\prime \prime}$ foiles. flue iron wnonumento, at all 116 and $1 / 4$ corners bet secs $30 \times 31,7.142$ D, 28 . 2 wale son EMil levite to Station 1336.95 ft 5 and net a $2 \times 48^{\prime \prime}$ boiler hebe iron $1 /$ monument for the $1 / 16$ cor in the center of the $N E$ Guasten of $\sec 31$. I hen return to buevik and take my outfit to dobermans store. E. o. Forest. Dupt.25,1916. Monday. 2, with outfit lew vie Brevik at 7: A.M. With Haberman* and launch. Arrvie at walker at 9:20. A.M. Boat here \$1.25. Thy fort here on Rept. 20,1916, was \$2.00. Haberman hauling 25 irons from Walker to kerevik, Charge $5 \circ p$ in 2 work on note of surrey in office falance of day.
8. D. Marat.

Surveyed Sept:8,1916 to Sept .25,1916. Recorded gan :1917.

County Lurverfor. Pass County, The neater.

## Survey-Record-319

## TwP 139-EG 30-SEC'S 5-6 <br> Twp: 140-RG. 30-SEC'S 29-30-31-3R

Field notes of the survey of a Corinty that and the establishment of iron monumexto and the finding of oed $u$. S. bearing trees in pecs
 fy fohn N. euro, County Purveyor, Pass. County Yhinnexota, aceseted by. M.A. Kemp, deputy County purveyor. at Wog.12,1913. S go to Hackensack on might train, bed and becakfach transit and Chain. Abe L. Van klanicom Are: W. Melton Chain man: How h Divider aye and Vance Nexis aye We go to the NW cor of sec 32 , fling the cor to secs $29,30,31432$, T.170, pg. 30, where $u .5$. notes call fou staple and.
'Nor, pine 5 inch, N68 ${ }^{\circ} 0^{\prime} E$, 346 lis 228.36 feet (in sec 29) No pine 18 inch, $577^{\circ} E, 29 A$ lB 19404 zech (in sec 32 )
Lee find the stumps of both trees jolainly marked and an oed stake atc $E$ end of mall labe which checks porfich for course and distance atgovariWe set a hut and tack in place of the oed stake for the true career to secs $29,30,31 \times 32,7,140,0$, 30 . The oed stumps are still solid and io other trees near so we rake no never hearings Net over hub fou section Corner which is in bag on lake shore and run son g: van At 300 E leave bagithears. SW: bit 613 . hub and tack: At 113 t. 80 E. set hub aril tack on roof of Vamp Blaricomis hen hover: ah 150 \& stake: Ah 184150 th. E set hub and tack on hie: at 2512.30 it Emmet hue and tack on hiel:Ah 2640 ft. Ethe $1 / 4$ co v he h secs. 31932, seta 58.80 ft. Af thispoinp Shit notes earle for stake and:
 We hind the stump of both treesplainly marked, the sw tree being Notheds but the "B,T". is stile plain on is we set a hub and tack for the true $1 / 4$ Corner bet $\sec 31+32, T 1+0, \mathrm{Rg}, 30$, buy feat chin in and ta be the following bearings at q. Var
 Thew BiTs hor. Pine Stump. 20 inch, $572^{\circ} 08^{\circ} \mathrm{W}, 39.15$ pt. petting oven the hub $/ \mathrm{t}$ Cor we nim $S$ on $8^{\circ} 30^{\prime} v a w:$ At 150 yt enter hexing giowth of misted tack Pine and jo pear and birch with Leaves under brush. Dhelville 4. temp. Ok eg. 13,19 . Kemp. Lam Blarecim and Sawyer Continue Roach, temp
 take: at 1800 stake enter tampervamp: at 2100 stake: at F 640 pt set hied: At 2637,30 the ear to pecs $31,32,5 \times 6$, bet Topes 139 and 140 NMg 30 N Retow. 3430 ft . At this point suit minces call for stake and:

 Gee find ace 4 tree plainly rained. The NE and s $N$ trees are dead beet still standing while the other two thees are down, we find the distance

SURVEy－RECORD－319

『レが
TWP．139－RG．30－SEC＇S 5－6
TWE 140－RG．30－SEC＇s 29－30－31－32

by courses taken to the NE and sw trees to be 0.50 If a foot too long
and set the NNTSE trees to be $0.5-8$ of a toot too phot we proper and set the NNTSE trees to te 0.5 s. of a foot too hort we propertionste the measurements and set a. Hut anil tach for the tue con After which we take hearing as follows; at $70^{\circ} \mathrm{Var}$.
Led 13.T. S. Tame N $14^{\circ} \mathrm{E}$, 11.67 th in sec 32 : Tank $5523^{\circ} 0^{\circ} \mathrm{W}, 22.76$. th in sec 6 Tame: $523^{\circ} \mathrm{E}, 17.43$ feet in sec 5 .
We mark the following new hearing thees ah $9^{\circ} \mathrm{Var}$ to tack heads in blaze. Source 5 inch $N 3899^{W} 11.15$ fret in sec 31 .

spruce 7 inch $52805 W_{1} 13,10$ Get in sec 6 .
from this corner we run E ong930'las: Wind and paliton worked in the afternoon. Thelville A. Kemp.
Aug. 19, 1913.M.A.Kernp. A. Tam Blaricom and Noah Dancer: W. Paloton, V. Win continue $E$ and chain up: At $660^{\circ}$ leave swamp; at 183.10 Yt E set hut on hill; at 1110.10 E Ret hut and tack: at 1250 enter tamp swamp: it 2065.70 the Est the in scamp: at 2640.45E stake set buy Cure sets si 6.00 feet: as this stake does not appear to have den moved we take it as the true $1 / 4$ cor on the spile of sen $52, T 170$, Dg. 30 , being the $1 / 4$ canes on the $N$ side of sec 5, f $139, D_{g}, 30$, from which ur mark the hollowing new bearing trees: pr $7^{\prime \prime}$ sw 63.35 Vt in see $5^{5}$ Tamp stump 15 "IN $35.0_{0}$ feet in pec 32 , to tack Leads. tet Raloton and Min go at noon. In place of 2000d stakes we set $2 \times 48^{\prime \prime}$ Ron pipe and cap for the $1 / 4$ con tet res $5732,7139 \times 170 \mathrm{Nog} .30 \mathrm{~W}$. Correcting lack on strundary of sw it of sec 32, that $2065,10 \mathrm{E}$ goes 535.98 queti. Hut $1110.10 E$ goo 519.34 phi tut 783,10 E gre 513.67 yt pat de N con of pec .3,2, ding the con to pecs $5,6,31 \times 3,2$, Let 7,139 and 140 N we pule up the wood the and put in it's place a $2 \times 78$ "i non pipe and cap. Correcting tack. on $w$ boundary of sw quarter of sec
 1318.65 s run $w 17.15$ feet and set a hut for $1 / 6$ cor being the $5 \% 16$ for. Let secs $31+32$, tut 12005 goes $w 15.61$ fut: that 838,205 goes $w$ 10.90 yet: the 6005 goes $w 7.80$ Rect. at the $1 / 4$ con bet sees 311
 a $2148^{\prime \prime \prime}$ ion pipe and cap for the trice $1 / 1$ cor. Correcting tack on 1
 1500 s goes W 33.41 ft: Hut 1320 th es run $W 29,7$. Pt. and set a Nut ana tack for the true $N / / 16$ cot he res 31832 : that 1134.805 goes $W 25.27$ feet: I ut 613 s goes $W 13.15 \mathrm{ft}$. At all these correction points we set hubs and tue stakes marked "Rood Center Section Line". At the NW Cdr Pi Dec 32, hing the cor to pecs $29,30,31932$, T170;07. 30 , we pule rep the Hut y tack and put in its place a $2 x+8^{\prime \prime}$ ion pipe IT Cap diviven down ptamkjoiling 10 feet long for the true sec con. This completes this survey, which n for a eruntg. Trad. Fa nfucly hat yesterday. to day. M. A. The Surveyed aug 12 to 14 the 1913. Recoiled fon.1917.

# TWP. 13島-FG. 30-SEC'S 7-8-17-18-19-20-29-30-31-32 <br> TWP. 137-RG. 31-SEC'S 24-25 

Field notes of the survey and the establishment of cement and ion corner in secs $7,8,17,18,19,20,29,30,31 \times 3,7,1,137$, Reg, 30 , and secs $24+25,7137, \lg 31$, as surveyed and established by font 1 r curs, County Purveyor, Lass County, Then assisted by E:\$s. Horst. Aopecty They 7,1916. Sunday. Aec day at PRom axdersonis.
They 8,1916. Monday. E.B. Horst transit and chain with PO.M. Anderson go to the corner of sect $17,18,19 \times 20,7,137, \operatorname{ceg} .30$, where we meet ole taplin and verne Lindfors axemen. I set transit over oed post for essen, where Us nites call for:
 Nh. dir. T which, S. $73^{\circ} \mathrm{E}$, 11 leo $=7.26$.ft: Lind $7^{\prime \prime} s 80^{\circ} \mathrm{W}, 54$ leo $=35.64$ feet. The land owners tell me that this is the point where the old cor was, so 9 take the course and distance of the sw Lind tree and find the stump at the exact point where it should be also the stumps of the wW Birch at the exact spot called. for in the U.S. notes and Consider this sufficient evidence. The other trees are gone, run $N$ on $8^{\circ} 30^{\prime}$ rap. Run thru open field in edge of bush on $E$ vile of field: At 350.50 th N set tut: at $99977 N$ set hut: at 2201 N set hilt; at 2617.60 N set hue: From which the $1 / 1$ car bet secs $17 \times 18$ keto $W 33.60$ feet. 9 take tronsich to the bearing trees and set post prom oed uss. bearing thee both plainly marked, one lying feat on the ground, the other a snag remains. U.S. notes eater for
Wh. pine $7^{\prime \prime} 562^{\circ} \mathrm{W}, 8 \mathrm{lks}=5.28$ qt: Whee. pine $12^{\prime \prime} 561^{\circ} 30^{\circ} \mathrm{E}, 7 \mathrm{lk}=4.62$ get With transit on hut 2614.60 N which is 33.60 feet $E$ of the $1 / 4$ Cor bet secs 17 +18, we continue our transit line $N$ calling this sta. $00:$ at $+66.30 \mathrm{ft} \cdot \mathrm{N}$ set hut: at 684 N enter slough: At 820 N leave same: at 974.40 thin set hush: at 10.65 N enter creek bottom: Ah. 1115 N in male creek: at 1175 leave bottorn; at 1380 Cross oed wagon road: at 165170 ft. N set hut: At 2141.10 N set hub: at $2647 \mathrm{ft} \cdot \mathrm{N}$ the cor to secs 7 , $8,17+18, T .137, \operatorname{Rg} .30$ sets $W 43$ feet. At this point we fired a stake set buy Curs for the true corner where uss. notes call for a port and the following bearing. thees:
hor pine $20^{\prime \prime}$ N $4 l^{\circ} 0_{0 \prime \prime} N, 2=l k_{0}=14.52$ fth in sec. 7 .
Hor pine $10^{\prime \prime} \mathrm{N} 15^{\circ} \mathrm{E}, 26$ l ko $=171 / 6$ feet in sec 8
Nor. pine $6^{\prime \prime}$ " $566^{\circ} \mathrm{W}, 50 \mathrm{lk}=33,00$ feet in Re 18
Tho pine $14^{\prime \prime} 549^{\circ} 30^{\prime}$ E, 40 l ko $=26.70$ pet in Rec 17 .
The del $B, 1 s$ still there and 9 drive a post for the true cones. Correcting the line bet secs $17 \times 18$, the pine of the $N$ half of the line equals. S0 55.512 of a goat $w$ for each foot $N$, thence $w=3.60$ get to the true line. Flub 2141.10N goes W Al: 20 gt: tub 165170 N goes W 39.46 feet: at 974.40 N goes N 37.06 feet: Hub 466.30 N goes W 35.25 ft. Correcting the s hag Mile bet secs 17718 . The Correction equals. 012851 of a foot $W$ for each foot $N$ : sub t 2201 N goes W


We stack for andereovisplace andileave outfit at the se con pec gro, Where we vie begin puny in the morning, quit for night, EB. Horst Thay $9,1916$. Hues day. B Hows transit and chain Pete Anderson chain: Ole Hoplin and fohnifohnson ayemen: Beginning at the car to secs 20,21 , $28+29, T, 131,0 \operatorname{lo} 30$, being an iron monument perviously established for paid corner, we begin random line on road roche, road to runs W to Tip. line, a distances of two miles from above corner. Pun w at $9^{\circ} 30^{\prime} \mathrm{Vai}$ at 500 ft W set hub: at 650 W lenten tank swamp: at 1000 W set hub; at 1425 leave cu amp: $A$ 1 1500 set hub; at 1697 set hub: At 2400 pet hut: at 2734.10 pt. W ret hub: At 3114.50 ft set the et: at 4000 W set stake marked "to"; At 4450 W pet hut: at 4870 Ono wo mall creek: at 525zitoftiw pethut: we look for the cor to secs 19, 20, $29+30,1,137, \log , 30$, where notes call for poet and:
Thou pine $17 " N T_{0} 0^{\circ} E, 26$ lbs.: NiP 8 inch $N \neq 20 \mathrm{~N}, 120$ l ks:
hor pine $18^{\prime \prime} s^{\prime} 76^{\circ} \mathrm{N}, 190 \mathrm{lks}$, Nov pine 20 inch, $531^{\circ} 30^{\prime}$ E 70 lk .
Lr took for bearing treen in this vicinety but everything is burnt
 Th. Wet hub: at 5850. A0 W set turf: At 5950 enter field; at 7000 pet hut, leave field; $A 17275$ enter nvampe: At 7325 leveresame: at 750 inter swamp: at 7565 leave one: strong wind with a Little sain. Grith Jor night. E. B. tho rat.
They 10,1916. Wednesday, E. B1 Tosh and some crew continue Random line W from hub 1000 : $A 17811$ ft w vet hub. at 7920 cove vire Hence; ait 9240 enter field, At 9800 Ret hub, leave field, at 9900 enter fired; $a t 10360 \mathrm{gh}$ W leave field, at 1000.6 fri wet hub from which the sec cor sets $N 112$ feet; At this point being the Cor to pecs $19 \$ 30, T 137$, sq. 30, which is also the cos to secs $24+$ 25, T: 37, pg .31. We find a stake used by AM. Moulater pet from settlers evidence for the true corner, where $i \mathrm{~s}$, notes call for Bet pine 12"N $16^{\circ} \mathrm{W}, 282$ l ks in sec 24; Asp $12^{\prime \prime} 523^{\circ} \mathrm{W} 155$ lees in sec 25 Ripen 10 inch, s $69^{\circ} E: 57$ les in sec $30 .$. . All are gone, except the oed con poos. To locate the comer of secs $19,20,29930$ we go to the cor to sec ot $29,30,31832, T 137$, Hg, 30, Ret from oed Grit hearing trees in ea ck
 crew: at $158.60 \mathrm{ft} . \mathrm{N}$ ret hub: at 500 Nenter swamp: at 650 leave pome: At 934 N pet hub: at 1422.40 N set hut: at 2524.50 get set hut: At 3106 set hut: $A$, 3262,50 oh. N pet hut from station
 erect 5 ft. wide: At 5i5i ft N pet heb: At 5203 ph. $\operatorname{sinterseet~} E$ and $W$ nardoo line at staten 5228 ph west. She $5 F$ anger or the Random lines reads $90.30^{\circ}$. Continue line $N$ tet secs 19 y 90 , About $1 / 2$ mile and quit for night. High winds and clouds of dist. ivith a little rain and hail. E. B. Horst.

May 111916 . Thursday. Ert, Horatio and same crew continue 1 de x wees $19+20, \pi 1137$, regis 30 , from station 5203 NiAL 5731.80 oft. N set tub: At 6000 N center of road NE and sw: at 6022.60 ft: NAethub: $A t 6492.80 \mathrm{~N}$ pet hub: at 660.5 N cross pret 3 th. vide.


At 7166 N set hue b: at 7428.50 tin set hut: At 8500 N set huck. Hanse on line, offset $E 15$ feet: At 8492.80 ft. N set hub; at 8992 . 30 ft: $N$ set hob $A$ ti gas risestincib: $\therefore \quad: \quad$ offeet $w$ and continue $N$.
 set $W$ 117. 50 ft. Quit for dinner: Ole toplein leaves cree In P. M. S find a pone mound and stumper of the 24.5 . hearing tres at the It cor bet news $19 \times 20,7.137, \mathrm{Mg} .30$, Where 24.5 . Notes call for a postaxti Nor pine $8^{\prime \prime N} 74^{\circ} \mathrm{E}, 35$ le. Nor joiner $12^{\prime \prime N} 5^{\circ} 2^{\circ} 30^{\prime} W 44$ eke. 2 set $1 / 4$ corner from the above trees which checks for core and distance with the stone mound. This ta cor sets w of random lupe at station 7910 N . The North half mile bet $19 \times 20$ is $2664-50$ Feet and the Mouth half mile Let secs $19 \% 20$ is 2636.80 feet. The North half is busked out and weed for a road. 9 figure correction which equals. 010706 of a tot west for the Raceth Fholf and Ret road centers. .010706 equals tangent of 00 is 7:
 4 20 , at 6592 ftN goes W 65.88 Ft. Stub 5731.80 ft .N goes W 65.67 feet. The cor to secs 19,20,29830, station 52 73.60 N and 5279.77 fleet $W$ sets $W$ of PI. herb, 51.77 fth. and $N$ of PI. hut 70.60 ft . I drive a new post a above point for the true section corner. The take creur $W$ on random bet 1 o +30 , and begin at $W$ end of hire and set road centers on true Rec line. Ike correction equalo.00777= tangent of $00^{\circ} 27$ : Hub 9800 ft. W goes $N 105.72$ ft. Tubl9 262 W goes $N$ 101.54 fl. to the $W 1 / 16$ canner tit. secs $19+30$. one foot $2 c .5$. Chain $=$ 1.005613 ft. Thy chain. At itu. 7934.58 ph. W goes N 91.23 ft for the true 114 corner bet secs $19430 \therefore$ tub 7000 W goes N 83.96 ft. tub 5-850:70 W. goes N 75.03 ft. High winds ale day. quit for night. E B. Honest. May 12,1916. Finlay. Coed and windy. E. B. Horst transit and Chain Pete anderson flag and Chain. John Boil and ton bhnoon axemex. Wee begin at the Cor to pecs $17,20,29730, T 137, \mathrm{Rg}$. 30 and correct randorn line tack bet pecs 20\% 29, Correction equals 0153717 and one foot $u$.S. Chair $=1.005613 \mathrm{ft}$ : My chain. tut 4450 W ques N 59.50 Lect. Hub 2734.70 Wqoes N 36.57 feet: At 2639.885 W goes N 35.30 ft . to the $1 / 4$ corner tet Rect 20429 . Hut 2400 W goes N 32.09 feet Stake 150.0 W goes N 20.06 feet: tut 1319.94 W goes N 17.65 feet to the E $1 / 16$ Cor bet secs $20 \% 29$. Tut 500 W goes. N 6.68 feet. we return to hub 4000 fl. $N$ on $N+S$ randoms line bet sect 29 8. 30 And. Ret road Centers on treceline. Correction $=10098168$, Tangent $=00^{\circ} 34^{\prime}$, tub 4000 ft. N goes $\mathrm{N}, 39.27 \mathrm{ft}$ : That 3262 N .5 N goes W 32.03 feet: tub 2636.80 Rh. N goes $w 25.885 \mathrm{ft}$. to the tu me $1 / 4$ eor-het Bes $29 \times 30$ : tuft 422.40 ft . iv goes w 13.96 ft . quit tor dinner. $\therefore$ In P MM. Mu. john back binge team and wagon with tools, cement and sand to make permanent sec cars. We make theniseight inches ix diameter buy 3 oh long putting a four inch spike in the center of the top. Beginning af the cor to Rect 29,30, $31+32,7.137,0.30$, we set a cement corner and we ales set cement corners at the followingtulacest.
$320-\operatorname{CONT}$
the $1 / 4$ cor bet secs 29430 , and we set a cement cor at the cor to sees 19,20,29430, and a cement cor. at the 1/4 cor bet secs $19 \times 20$, And a cement post at the cor to Rect $17,18,1.9420$, and a cement coir at the 1/4 Cor bet secs 17418, and we set a cement pooch ot the Cor to secs $7,8,17+18$, ale in $7.137,0 \mathrm{gg} .30$. Returning Sue set a cement $1 / 4$ cor bet pecs $19+30$, and we pet an in on corner at the con to pecs $19,24,25930$, on the Range line bet Tugs 1371 bet $\operatorname{Rgs} 30 \times 31 \mathrm{~W}$, being a $2 \times 48^{\prime \prime}$ Mon monument for the true Rec. cos. We ales set an iron monuminent at the $1 / 4$ cor bet secs $20429,7.137, \lg .30$, hewing a $2148^{\prime \prime}$ inion. It is impossible to drive to this place with team. This concludes the purvey for Walden Township, all corners being in Tugs $137, N \mathrm{Neg}, 30$ o 31 N .

May 13,1916. Nationday: Peter $0 . M$. Anderson with teanu taken Me and purvey instruments to Dine Diver. Begins to rain at 10iso A.M. Jake dinner at Iravers Hotel, 25 cents, take $3: 4$ A PM. Train to Walker. Duper and over night with div. Cero. E. B. tares. Surveyed Shay 7 to May 13,1916.
Recorded Ban .1917. Recorded gan.1917.

Cocenty Sicrveyor Case Carenty, Minnesota.

Field noe of the purvey of suagon row ids and the finding of och trick Corners and hearing aces and the establish meet of yew jots and New Hearing trees bu sections $3,4,5,7,8,9,10 \neq 1$, Township $1 \% 0$, range 25 , ap pirveyéd hay Sin A. Todd

Whednceday may 1,191 \& 2 leave walker for Bemidjicat forelock AM, arrive at Benidici at A. 30 AM R. R. Pare 65 cento. Kreakfact in Femidji 25 cento. Serve Bernidji far Shovel Lake at 10 o. Clock A.M. Let off pine Tree Spurs. Re fare \$1 3.6 ABner at Memes, 15 cento. Walk oik to Con Theteris place with the outfit. arrive at $\dot{\text { pollock and take }}$ a Haik up the road which isheing cut out buy Thetger and thunk Duper and been night at phety.1. $5 \neq 8,7140, \ldots \mathrm{gg} 25$, Neh by Tarry S. Todd in 1912 and check rep earner on Todd new bearing tree as meter sap the take had yell down a Couple of times and Thetger had Ret it ep again. A set corner again after which it stands perfect for course and distance, then pta nh a coinVine Rath on 8' Variation thru the enter of ne 8: I offset East 8 feet to get arocend Thetgei farm banes o z took and adreph Thetyers apemen: Thetger and g chaining rovegh with a 100 tot Monarch steel tape and gent in a stake every 100 feet A1 578.20 ft s pet he c and squared upgack pine tree for the $1 / 16$ cor set by pome cruiser pete $E$ about \% Feet and s about 10 fut Dontinue south, Betting stakes about every 100 fl: at 2450 cross rise fence $E x W$ : at 2620 fth s tue are on oed $E x$ W floged line and 9 am following a $N+S$ blazed line, son mycompase Sine: at $2640 S$ temp. is cor in enter of pec $8, T 140, \mathrm{jeg}, 25$. at 2950 enter small slough hears ExNW: At 3025 leave same: At 3100 Ret stake and quit for might fame taw ht, Adolph phetger and got in one lay Con Meter: Guy a. Todd.
ox Metger: Hey a. Todd. at tu be s100s o continue compass tines
 Chain, 100 foot thenarch steel tape and severe Compass: at 39605 tempe. 116 cor: at 5200 set-ptake, we are at the $1 / 4$ cor on 8 Ride of sec 8 , bet secs $8+177140, \mathrm{rg}, 25$, where u. s. notes call for, a stake and the follocuring 33. Ts. We Pine 5 inch, in $39^{\circ} 30^{\prime} \mathrm{W}, 7$ links $=4.62$ feet.
W'pine 8 inch $5.61^{\circ} 30^{\circ} \mathrm{W}, 14$ links $=9.24$ Leet sue find both tree standing and plainly marked. The N.N. wo h pine is handing green and the sin thee is a dead stent in sec 17 . We set the $1 / 4$ cor a $4 \times 4 \times 36$ rich Elin stake after the face of the oed BiT marka and drive a $4 \times 4 \times 36$ inch Elin stake after which the trees stand perfect for course and measurement, 9 find at 52817 ti s the $1 / 1$ chr keto $E$ feet. Ooriccting back: 3960 goes 59 inches and E 27 inches 2640 goes s 6 finches and $E 18$ richer. 1320 goes 53 inches and $E 9$ inches af 3960 v

we chuck over and drive a $2 \times 2 \times 56^{\prime \prime} y$ pear stake for the temp. V/ 6 cor and put in the following hearing trees:
 The go to 26705 and correct over and drive a stake for the Amp. It cor in the center of see $8, T 110,0 \mathrm{lg}, 25$, an w roved have to run Ex W center line of sec 8 to get the tue center, os set this cos temporarily. Tue go to the $1 s=0$ s and correct over and drive a $2+2 \times 36$ piglear slake for the temp. $1 / 16$ cor in center of $N$ half of see 8 and youth in the foceoving To Ts:
Wi. Pine 8 inch, $162^{\circ} 5^{\circ} E, 22.85$ fut: Wrypince 7 rich, $557^{\circ} \mathrm{E}, 13.75$ fut Avis for night. Breakfast. diviner, super and over night with con Thetyen. Canner set a 5 Van. E.

Saturday May 11, 1917. Diamine waive and adopt Theter and they A.Tode go to the temp. It cor in the center of pe 8, T170, $2 g=25$ and run a compass line won 8.Var. E. ot run compass, trawl and Thetger chain rough with 100 foot Monad stael tape. Chain 2700 fth wand loot Y ar the it cor w ride of

 Tue find the NE, WP standing green and peainly marked and the noted othimp of the sw tivich lying on the ground in sew 7 . We set the corner by feat meacocetent from odd BT Ts. and drive $a+1+x+\beta^{\prime \prime}$ dy W. .inc stake polit in the ground after zurich the old tree stand perfect for course and meencurment. tue gut in new Rearing as precious:
 feat spot at tare of tree. Corner set at 8 Var. E. I then start a compress
 Thetas and Todd chaining, retting stake every 100 get, using 100 Yo at Thowach Peel tape: at 1320 fut h Exert temp. The cor in center of whity of rec 8. Thus
 over night with con Meter. Buy A. Todd.

They 17, 1917. A Thetere, f. Thaw and 9 got to ht 1320 E on compare line numb-

 At 1810 Erect hut: at 2009.10 Ene hut: at 2210.20 ot E pet hut: At 2710.70 E Ret hut: at 25032.40E pet sRuti at 2039.70 get. Est hut, in center of my oed
 East all P.M. Ye do not chain. Advepl thetger geto in $1 / 2$ day. Trawl and Todd fill e day for Case county quit for night creations, dinner, auger ant

Thy 18,1917. Adopt Meter and d. Hawk and 9 go to the $263 \% 70$. 0 os Thy compare line running E thu center of pec $8, T 170$, ry. 25 , and chain $E$, 100 foot phonaich tel tape: At 2772,70 Erect the: At 2887. Est hut; at 3019.30 E Ret hut: At 3158.70E Ret hut: At 3267.30 E set tut: at 3435:70E tub: At 3528.20 E set hut: e 3600 set stake and enter small
open hog, NE SW: At 3650 leave same: At 3798 set hut; at 3960 Ret temp. 46 cor near center of $E$ luff. of sec 8 : at 4196 E Ret hut: At 4374 E pet Rut: Qt 5260 E the $1 / 4$ comer on Exile of sec 8 bet $\sec 8+9,7.140$, Ry. 25 set $N 305$ feet. This 1 comer hus been ret the a Phr. Watson, County Surveyor of Aitken County and new hearings put in try hins. I can find no trace of the old U.S. Bearing thees that Slit notes cay are:

Do 9 use this Corner and check over my hire with it Correcting back; that 2640 E goes $N 152.50$ feet and $w 10$ fut. We check this over and at the intersection of the $E+W$ corrected line and the $N+S$ corrected line, $I$ drive a $7 \times 4 \times 78^{\prime \prime}$ d ny whin stake for the true $1 / 4$ cor in the center of pec $8,7,170$, Dy 25, with new bearing an yollows:
WP. 6 inch, $N 13^{\circ} W 19.40$ feet to feat spot at Lave of tree.
kiel 6 inch $561^{\circ} \mathrm{W}, 6.90 \mathrm{ft}$. to feat spot at base of tree.
Tret 1320 E goer $N 76.25$ feet and $w 5$ feet, where o drive $a 3 \times 3 \times 27^{\prime \prime}$ honevord stake for the true $1 / 16$ corner in the center of the $w$ half.gnsec 8 , with rev
herring as poceocu:
Wi Pine 6 inch, $N 69^{\circ} 30^{\prime} E, 33$. So Leet:
Spruce $10^{\prime \prime} \mathrm{S} 41^{\circ} \mathrm{E}, 40.10$ th to peat spot at base of trees.
then start a compares line $N$ on $9^{\circ}$ Var thru the center of the $N W$ quarter of secs and continue $N$ the rest of $P M$. quit for night, Breakfast, dinner, Reyppes and over night with Con Thetzer. SuyA. Todd.

Luceday they 19, 1917. James rework and Adolph Thetger and 9 worki Beginning at $/ 1 /$ cor established buy me yesterday in the center of the $w$ half of sec 8,7.140,teg: 25, we chain N: at 120.30 N set Rut: At 270.60 N ret hut: At 465.60 N Ret hut: At 589.60 fth N Ret hut: at $752 . \mathrm{N}$ set hut : at 910.80 N set the: at 1043.80 N set hut: at 1188 N set hut: $a t 1282.30 \mathrm{~N}$ ret hut: at $170 \%$.jo V Ret hut: at 1585.50 N set hut: $a t 17.36 .85 \mathrm{~N}$ set hut: at 1796.35 N set huh: at 1915 N set hut: at 2032.70 pt. N set hut: at 2182.40 N set hut: at 2317 N set hut: At 2506.50 N set hut: At 2656 N the tue $1 / 16$ cor being the $w 1 / 16$ cor tet pecs 5.48 , sets $E 12=$ feet. Correcting back: Theft 120.30 N goes $E 5.52$ feet. that 270.60 N goes $E 12.92$ fut. Tut 465.60 N goes $E 21.37$ ft. That 589.60 N goes $E=7.06$ fe Fut. 752 N goes $E 34.50 \mathrm{ft}$ : Nut 910.80 N goes $E 41.80$ vt: Shut 1043.80 N goes $E 47.91$ ft: Tut 1188 N goes $E 54.55 \mathrm{ft}$ : tut 1282.30 N goes $\mathrm{E} 58.86 \mathrm{ft}:$ Tut 1407.35 N guv E 64.60 ft: that 1585.50 N goes $E 72.77$ feet: Nut 1736.85 N goes $E 79.12$ ft: tub
 ft. N goes $E 115.04$ fri $\operatorname{tuch} 2656 \mathrm{Ngocs} E 122 \mathrm{ft}$ : Where we check over ace hubs to correct line and drive hubs and put in 5 Foot stakes at each hud marked "Road center". Ret each corrected hut to cut-out line buy. Adopph Thetger, dames waw and 2 working. Quit for Night. Wrenkfast, dinner, Muppet and waiver night with Con Thetser. HWy A. Todd.

Thy 20,1914. Wednesday. Adolph Thetzer, Laurence stank and 2 go to the cor of pecs $4,5,8 \times 9,7.140,1 \mathrm{eg} .25$, Where $u .5$ notes call for a yooet and:
T3. Oak 5 inch, $N 71^{\circ}$ E 25 links: Asp. 10 inch, $564^{\circ} E$, 35 linker.
asp. 7 inch, $523^{\circ} 30^{\circ} \mathrm{W} 20 \mathrm{lk}$ : hep 10 inch $N 47^{\circ} \mathrm{W}, 23$ links.
we find starry Todd' oed stake down, and 1 re-ket the cor. From face of
old bearing tace buy peat meavirement She iN whee. pine is standing green and plainly B.TS are pill visible. I pet the comer on $8^{\prime} 30^{\prime} \mathrm{Var}$ and drive $a=13 \times 36^{\prime \prime}$


 To nail heads driven in feat spot in base of trues. We then go to the $1 / s$ Corner on Nile of rec 9 bet secs $4+9$, T1A0, kg. 25 , where u. S. Notes pay Whine $A$ inch, N79.30'E, 5 links: W. Reich 6 inch, $579^{\circ} 30^{\prime}$ W, 34 leith. Ifind the vel tivich stub of the NE, Wh.jpine jolainly marked tut the Birch is completely gone, to s trace. 9 pet the conner from the NE, whee, pine W. pin take $3 \times 3 \times 36^{\prime \prime}$ after which the oed B.T Stands perfect for coviree and measurement and 9 put in new dearinge as poeeows: Whine 8 inch, $N 38 \% \mathrm{~W}, 56.30 \mathrm{ph}$ distant in sec 7
Finch pinch, $534^{\circ} \mathrm{W}, 3860$ pt distant in sec 9 to nail heads in peat pot at have of tries: Tue then go to the cor of pecs $3,4,9 \times 10, T, 10,0 \mathrm{~g} \cdot 2 \mathrm{~s}, \mathrm{c}$ Where us notes call for stake and: Tamp 8 inch, $N 65^{\circ} E, 25$ links: Why pine 8 rich, $565^{\circ} 30 . E, 31$ line. Wi: pine 9 inch, $542^{\circ} \mathrm{W} 16$ links: Tank 8 inch, $N 28^{\circ} 30^{\circ} \mathrm{W}, 33$ links. with the stubs flow one ale with the per 10 plainly sharked and the stumps sw, why pine. A res set the cor as the stake put in buy tarry s. Todd has fallen darvon. set the cor fry flat meascirement from the face of the bid BITs and pouch in new béaringe as follows: Elm 6 inch, $N 8^{\circ} E$, 37 feet in sec 3 : $x$ mich 9 inch, $530^{\circ} E+7.60$ ot in secilo I then riven a compare line $w$ ox 9'so'E: Adolph phetges and Lavonne Hawk apemen. Buy. A. Tod Compaseman. Meter and 9 chaining perfect At 200 pet stake: At 355.50 W pethut: At 400 Retake: At 559.80 Rethhub: at 6009800 sit stake: at 849.30 w set hut: at 1274 set hut: at 16 3.5.80
 1. B3 feet. Tut 559.80 W goes N 2.10 feet: Folk $8+9.30 \mathrm{~W}$ goes N 3.19 feet. Tub.
 812 Gut tut 2639.00 W goes N 10.00 feet. 2 correct all hebe over and drive a new hut on corrected in e and set up p 6 . Foot stake, marked" "ord Center" At corrected hubs. $I$ then begin a new line $w$ Ret sec 479 From the $1 / 4$ cor
 Deviation reads 9030'E: Thetger and 9 Chain $W$. 44200 and 400 W set stakes: at 470 W set tut: $a t 6009800 \mathrm{~W}$ set stakes: at 893.70 W set he rb: at 1341.60 whisk hut: Ak i400w pet stake and quit jor night. Breakfast, diner,

Hhuraday May 21.1919 . Adreph The ter, faivence tach and sur A. Todd. Thetges and 2 chaining perfect: at 1534 set hub: at 1794 ft. We set hub. at 2052W pet hit: $\operatorname{lut} 2213.30 \mathrm{~W}$ set tut: at 2397 W Ret heep at 2642
H. W the true comer to Recs $4,5,849,7.140, \mathrm{pg} \cdot 25$, pets $s$ g feet. Conrecting back. Correction equalo. 003407 i tub 470 W goew 51.60 zeeki otub 60 N giee s
 1534 w goees 5.23 fech: 7ut 1794 W goies s.il gh: tub 2052 w goes s 6.99
 gaex $\$$ q.o zeet. wu correct hube oues and drive in huba ynarked True Road Center" on corrected line. Quer Night virth D. Thetgen, Auy A. Todd thilay, Thay 22,1912 deave C.R Mretgens at 10 celoch A.M. and waes to Pine Tree ppurr, wheres cateh the poo to Benidje: de ol fare \$1.36. Ninines 25 cento at camp.
NOTE: Con Thetger ang to tell Commiosioner Perry that he can not get Ris poad contrack done tuy the let of fure. Huy A. Ted.
Amnerjed May i3, 1914 to Thay 22,1919
Aecilded zo Fes, 1917.
Sounty Aurneypr. Carr County, Mucionesota.

Field notes of the survey and the wtablighment of Road centers and sections coiner porte and the finding of oed USs．73，This in section 6，Township 173 ，

 purveyor of case County Minnesota，assisted by 斿 $E$ ，Bryant，Deputy

Dec．24，1915．fold W．curs working you cask county on state deon To． 6 All day in office at Walker，writing yojield notes，preparing to go to Bale Clit，to survey Road and set Corners in Stove Townships．Sat up all night to catch early rooming train to themidjic

Dec 25，1913．Thursday，Chistmiae Day．Leave wacker in corngany with thank Paine of walker at 2：00 A．M．arrive at Yemigie a bout fico A．M．R．Re Yare via $M \ngtr I$ bo certs．Breakfast in Remidje vo cento．Se ave 7Semidji：6：30 A．M．via st．Thar：R．R．arrive at Caw Lake 7：05A．M．R．ot． fare． 32 cento．Treabfuct and dinner at Cuss lake \＄1．00．Leave Cave Labe
 can Lake to Ball cut 66 cento． 2 meet Tom Collins and go lome with him to SE quarter of SE quarter，＂Rec $25, T 117,0 \mathrm{~g} .26$ ，where we look up sec lines．Aver nejet with Collins．Join M curs
Nec．26，1913．7riday．Collins and Curs look for tact bearing treen Q long Tod di cut out line Ret Twip．177，lg．25＊26．Tue concent up lay a mile of line and ret riedifeage on true line along E vide of $N E$
 Dg．25．We pet goad plain stakes with red geago to mark the tue range line．Corrected as per Rehedule as yoclorvo：
At a point on the oed transit line 5292.50 pt south of the cor to secs 13，18，19924，the con to pecs $19,27,25430$ ，pete $w 33.70$ Yet．The correction equals 0063675 of a jot $w$ for each foot couth．At 1308.25 s run $W$ Di so fut and pet red geajon true range line，at 1599 feet s rues w 10.19 fut and ret red flagon range line the pees 19727 ．At 18785 run W 11.78 feet and ret red gean on true range line：at 21165 rus 2113.47 fut and set red flay．At 26405 rue $w 16.81$ and set red peag on
 the center line of the new State pood now．quit for night．Over night with Tom Collins．Johnow．curs．
Rec：27，191s．Saturday．Alof Perron，August Bocoman，Tom Collins and fol 2 ．Curs go over hire along．E Nide of see $2 x, T 1+1$ ，

 call for post and：
 the find Roth old bearing trees standing periney marked．Dinner at Bale Cut 35 cents． 2 pay Crecino $\$ 1.75$ fuel for To ard and take．

1:30 P.M. train, wot. Curive at zemidje at 3:00 o'cloek P. M. R. R. fare 98 cento. Hench at $\overline{3}$ midi 50 cento. Winner at 11.301 M. Vo cents. Leave Bemidje for walker via. Mi I. t.R...I Ito PM. R. R. fave 60 cento.

Llec. 28,1913. Arrive at Waken at 2:A.M. Sleep until noon and in P. $M$ work on notes to see that my corrections are correct. Ale day in office aftureber.
$\tan 28,191$ : Wednesday. It hasten. a month pRince 2 left kale Club and $I$ am still working on state toad No. 6 on range line bet $T 14 \%$, ゆ䭪 $25 \times 26$, workerig for cases County. I eojey some notes 9 must have as the U.S. notes do not check and take train to Case Lake via lit. Nos 'Rit. Bus ah.Malker 25 cents. R.R. Fare to Cases. Lake 7 i cents. Super at homo. licxich in Cases. Lake tot. Over nejht at End ion toul. Heveday fain. 29,1914. Meiggard. Nw wind. $10^{\circ}$ below Zero. Oonneak- Gro. fast and dinner at Mas Lake. Waiting for st. Nor train to Ball club. PM 9 pay Endion trotel $\$ 1.50$ in fuel and take 12:30 PM. Train to Bael Club. R. N. fare 66 cents. Reave suit ease with frank paine, Therchant and walk out peart way with bionge sodfrijt john Beitils. Tue examine a new corner pet at the Corner to pecs $1,12,13+18,7142$, pe $25+26$. The corner is dated fan. 5,1914 and we find it marked wrong Super and over night with Alof: Perron and August Bowman.
 robert Karkems, a young yellow, is also with woman 4 Perron. John wi Curd tan 30,1914. Wind has gone down, cold 10' below. John V. Curs beverly
 as Perron Res viriten to Revankerg to send up a Revweyar to finish the Survey: We Rend him a letter announcing, Curs is the. The finial Correcting the line he pecs $19 \times 24, T 144,0$ go $25 \times 26$. Teandoin tut 3126.01 5 goes $W 19.90$ feet. Tub 3707.605 goes $w 23.61$ feet: Fut 2005 goes 226.74 ff: Fut 44325 goes $w 28.22$ feet. Hut 5.003 .305 goes $W 31.85$ feet. at 5292.50 S the car to peer 19, 24,25430 pets $W 33.70$ ft. Ted flag pet at ale corrected stations and Nailed uprvith braces Ret by Curs perron and Bowman and Karkems. New hearing trees at the cor of $19,24,25 \times 30$, are; Kaboom $9^{\prime \prime} 530^{\circ} \mathrm{W}, 44.90$ ft: Cedar $9^{\prime \prime} 560^{\circ} \mathrm{E}, 34.80$ feet.
On PM we correct the $E$ Ride of the $N E$ quarter of Rec 25 , being the $w$ i ide of the NW quarter of Rec $30, T 14+1 \mathrm{~kg} \cdot 25+26$. at 2640 ft 5 the $1 / \mathrm{s}$ cor bet 25 930 Rets $E 130.508 \%$ The correction equines. 04944 of a foot $E$ for each foots. At station so red flay set at the Coir to pecs 19,24,25930. At rod Leet $s$ Chin $E 5$ ft and set stake, at 200 ft. $s$ chain $E 10$ ft. and set stake at 300 ft. $s$ chain $E$ is ft and set stake: At 400 ft: $s$ chain $E 20$ ft and set
 lt and ret ied flag: At 1389.50 .ft. $s$ chain $E 68.72$ ft and set red flag: at 1835.30 ft . chain E 90.74 ft and Ret red flag: At 2640 fh . S chain E 130.50 ft. and nail red flag to the oed It Rec cor post bet pecs 19930 , new bearing trees Ret by Todd called Lar:

He set red flag on line at the place n marked and las the ground is frozen wee brace then up with 3 faces nailed to flag potage

we chain $1 / 2$ a mile further $s$ and find old Hubs and tacks set by $T o d d$. Quit for night. Curd, Peron, Kaikena, own an get in fuel day. Ore e night with perron and rowinan. John w. Cure.

Of m.31,1914. Saturday. As the trice range line is straight from the is con
 Todd oed transit line as poleowo: Ah a point on Toddé oed transact lime 5271.60 pt .s the $1 / 4$ car tet secs 36431 seton 7230 yt the correction equals 01372 of foot $w$ for each foots. Station $00=$ reed flag at ils ear bet secs $25+30$ at 100 feet chain W 137 feet and pet stake. At 200 s chain W 2, 7 ff t and pet stake: at $300 \mathrm{ft} s$ chain $w$ til yt and pet stake: at to. schain $W 5.50$ ft and set stake: at 50.7 . s chain $W$ b. 85 fha anil set stake: At 900 ft s chain V 12.35 ft and set rid flag: Ah, 596.60 s chain w.i.95 hand retried flag: at 223700 s chain $w$ so iv fl and set red fog: dk 2635.0 .0 shin $w 3.6 .5$ ft and pet red flag at To did oed section Corner post bung the cor to secs $25,-30,31+36,717+1,0,25 \times 26$ with need
bearing trees as follows: fearing trees as follow:
Cedar 2 inch, $N 60^{\circ} \mathrm{w}, 18.65$ feet: Cedar 8 inch, $N 85^{\circ}$ E, 22. 2 - feet.
There bearing tres were pet by todd: at 3897 Ihs we chain $w 53.507 \mathrm{~F}$ and ct
 chain W 62.70 ft and set red flag: at 52.71 .60 ft s chain $W 22.30 \mathrm{pt}$ and set red flog and toddé oed $1 / 4$ corner post bet secs $36431, T 141,10 g .25+26$
Oo the ground is frozen we set red flag and brace them upirith three Maces nailed to the flag. Chain $526+0$ th and look pis the Tope cor to secs $1,6,31+36, T 14+1+4$, tee $25+26$, fut as the snow -is deep ire cen
not find anything Set thru checking at 10 A.M and week to comp. Arrive 10.30A.M. Set ency dinner and 2 yoay olaf person \$ 2.00 for my tar dayohoard in full and take receipt for Rene. Reave Perron and
 to Bull che b where a arrive ak 12:52: PM Ming one hour and 20 minute, I Mun half of the time in loose pa ow, heavy rooking. Leave wall chub
 Ah Markham total so cents. Reave Bemidji at $11:$ to BM. R. R. fare 62 cents. Feb 1:19i4 arrive home in Uoeker at $A$.M. Sleep until noon and then dick uprmy notes to pee that they are correct. John W. Euro.. Nov 2s1914 Curs and Bryant leave trackensack on freight train, rios EM. Arrive at Walter 10,25 pM we go to Court -house and get field. notes of TLAS and $141 N$ Pegs $25 x 26$ Divest in order to put in the Township Corner, and we get tarry Jodi note book, Caught freight train from Tualker akII:00PM and arrive at Fsemidji at 12.10 A.M. Train had gone East. Nov 2511914. Caught train at 12:08 PM. Arrive Ball cub at 1:3\& PM. Let dinner and walk Ruth to cor of pec si, $6,31 \times 36,7143+174 \mathrm{NMg} 25$ 426 W teeing Twp coiner where uss. notes call for post and the following bearing trees:
Th pine $8^{\prime \prime} N 33^{\circ} 30^{\prime} E, 12$ les $=1.92$ ti Wipeine $10^{\prime \prime} S 48^{\prime} E, 20$ l ks $=13$ 20- rect
 we find the Rtimpos of all four hearing thess from which zee
re-set the stakes after which old stumper stand as yoceove: Oed W. Pine stump e $N 33^{\circ} 30^{\prime}$ E 7.92 ft. in see 31
oed W. Pine stumps $48^{\circ} \mathrm{E}, 13.20 \mathrm{ft}$. in see 6.
oed W. Pine stump $N 57^{\circ} \mathrm{W}, 13.86 \mathrm{ft}$. in sec 1
Qed W, pine stumps $51^{\circ} \mathrm{W}, 15.18 \mathrm{ft}$. in sec 36
Af 2640 fth. S. rough Chain on Fodder old transit line, the Townchije corner keto iv 13.20 ph . The correction tack equal - 005 of a foot $n$ for each foots. We correct the $1 / 2$ nile of line bet the $\sin$ quarter of sec 31 , and the $S E$ quarter of Rec 36 , as follorin:
 927.20 S goes $W 4.64$ feet to true line.

Hov 26,1914. Finish correcting line and go to sol Slut. loan v. Cur.
Surveyed Dec 24,1913 to nov, 26,1914.
pecarded 2: Feb, 1917.

Bounty Rurweyas. Cuss County, Thininesota.

Townahije $141, N$ Range $31 \mathrm{~W}, 5$ th PM M as Made big John W. Curs, county Surveyor, Caus County Shinier. assisted by Harry s. Todd, Deputy, July 6 th 1912, Curs, Todd and Red Mitchell working. At meander Canner 70.15 on south side of Postage Lake and bet. secs 25 and 26, T. 141, R. 31, $U . S .70 t e$ call for a pout and the following bearing trees: fackypine 4 inch, s $4.2^{\circ} \mathrm{W}, 15$ links $=9.90$ feet
Th. pine 4 inch, s $20^{\circ} \mathrm{E} .12$ links $=7.92$ feet.
the fink both oed 'bearing trees plainly marked and rue peso find a $2 \times 48$ inch capped galvanized iron pere set previvively buy me in a the of cement and concrete for the true render Corner this pipe sets its' fuel length in a mound of dirt and is the true corner.
At meander Conner No. 7 on the North side of Ten Mile Sake and between secs $25726, T \cdot 171$, R. I. 31, U. S. notes Call for a got and the following hearing trees:
Yellow paine 24 inch, $N 70^{\circ} E 6 /$ links $=40.26$ feet.
Yellow pine 24 inch, $N 71^{\circ} \mathrm{W} 9$ links $=5.94$ feet.
Tue find the stumps of both red $U$.s. heaving trees and wee ales find a $2 \times 48$ inch galvanized iron yoipe, capped on tope and set its fuel length in a dded of concrete and pond, previously iotabliched tu y se, by flat chain from pace of the figures on the old bearing thee stimjos. A tack in one oed 18.T. stump heals. N $55 . \mathrm{W} 5.40$ get. Tack in oed B.T. stump hears $N$ 72:20'E to .26 feet. A New B.T. bears N85'20'W 39.40 Leet distant and a 3 inch oak hears $525^{\circ}$ E6.15 feet distant @ $8^{\circ} 10^{\prime} \mathrm{Var} \cdot$ : Todd and Thitchele begin at M.C. No. 15 and run Rout on $8^{\circ} 0^{\prime}$ Vas $E$ : at 88.25 ft . S set hut and tack: at 93 gt 5 , center of main traveled wagon road, bears E+W: At 206.50 gt s set hut and tack: At 286 feet S, set hut + tack: At 300 ft $s$ set pin: At 423.30 Yt. $s$ set the and tack: At 52.8 .90 ft. $s$ set hut and tack: at 592.10 ft .5 set hut 9 tack. at 600 s set stake in enter of chain traveled $E+2 \mathrm{~W}$ wagon road; at 637.10 fut South, the iron meander comer nob, set East 11.75 feet. July 7 th 1912 . John" W. curs and Podut E. Dr fury go over the pere survey with a view of plating it into lots and drive some lo h staked as a preliminary, Beginning at M.C. Tn s. 15, run south 137.30 get t from which point M.C. No. 7 sets east 11.70 feet.
que walk back. North to a point on the hill
The walk back, North to a point on the hill and drive a hut $A$ tack half way betcocen M.C. Mo. 15 and 7, and on the true line tet same: this hut is 318.65 feet from each $7 k$ lander pooch as keto in The center of the proposed street where a 66 foot street is to run East and another 66 foot street is to run $A$ y $S$. From this hus 318.65 wo turn $90^{\circ}$ angle to the true $N+S$ section line and run bast cutting live and driving hubs: tue run 900 get east and set the b.

Then to retake out the proposed lots we walk hack to hut 318.65 from which we run south along section hive, 33 yet and pet tuft

SURYEY RECORD N10323
q tack, over which we pet the $k$ o transit, turn $90^{\circ}$ to the kection Line and ren Eact: at 3 feet E, cet husiotact for ww corneriof feack, $1+$ Lok1. thewee sast so zeet to s 3 fte East where zue oet

 Enet ro zeet to 183 ft Eact and ret heebx tack for w w or of Lot 4 Bekl: thence sapt ro pect to 23s-ft. Eapt and set hub ot tack Lion NW cor of Sat 5, kek : thence eart 7 feet to 308 fot. Eate and set hub and tacte fov $N W$ cor of fot 6,1 , 1 , : thence Euct I5fect to 383 feet Eapt and set hecbx taik for NE eor of fot 6; Mele 1.
Hhen taking traxeib to iron.M. C. Na. 7, 9 bacheight nacth on true section line, tivin $90^{\circ}$ angle and iun sast setcing wmall olakes at the point far each lot hine and as the laber ohore is a beactifuch broad pandy beach, 9 tabe pheacuiemento from the raxion right line stakes to the neareat eilge of the Rand beach buch not to the urater: Me. No. 7 is pta oo and is 12 peet Naith ofedge ofpand deach: at 33 fo. Eact of M.C. No. 7 eet stake: thence 50 ft E ect stake: thence $50 \mathrm{Jt} E$, pet ptake: theuce 50 je E set ptake $\therefore$ thence 50 zt. E Net ptake 3 s quet north of edge of kand heach: thexce 75 It. Etake: thence 75 ft.E, Ret ptake and guit fov night. Hurveyed fuly 6 th 47 th 1912 . Necurded 7eb, 28,1917.

County Hecrueyor. Piss County, Minnesota.


SURVEYRECORDNOM24

Eied Notes of the rurney and cearch for old $u$.s. hearing trece and establiiAment of iron monumento in sectione 20,21,2 2,29 , Twy 140 N , Range $30 \mathrm{~N}, 5$ th P.M. as Reirneyed buy tohn W. Curo County Rurveyor of Cass County Minnesota, arcisted thy Itarry S. Todd, deputy thavember $2 \mathrm{sd}, 1911$. Farry $s$. Todd o crecu goes to the Corner Rections 20,21,28,29, Tounship 140, llange so zohere u.s. Notes cale for a poot and the pollowing bearing trees:
Qppen 4 inch, $N 86^{\circ} \mathrm{E} 12$ links $=7.92$ feet in sec 21
Beack peine 5 inch, $534^{\circ} \mathrm{W} 37$ links $=24.42$ fect ix $\sec 29$
Klack peine. 5 inch, $N 9^{\circ} \mathrm{W} 31$ linter $=20.46$ feet in sec 20
Theack pine 5 inch, s $45^{\circ}$ E, 15 links $=9.90$ feet in Ree 28 .
Tue run the requised cource and didtance in each of the sectione and find all; u.s. hearing trece gone exeypt the sw tree rudich in standing yeainly marked in section 29, and prom thio tree o set a $2 \times 48$ inch golvaniged iron monument capped ontaje and eet Nearly, itt full length in the grourich for the true corner to pections $20,21,28,29$, townehije 140 N , 保ane 30 W , Case county, Thinnexota, then quit rork and take rim. Train to waeker. No ceiment at carner.

Lurveyed Now 2, 1911.
Kecorded feb. 28,1917.
Gounty Serveyor. Cace Cacenty, Minneato.


Fill notes of the survey of several township iodide, the establiakiment of new corners and the search for oed uss. comers and bearing trees and line run in sections $3,7,5,7,8,9,10,16,17,18,19 \times 20$, Township $153 N, N$ dg 29, W, 5 th PM. and sections $12,13,11+27$, Township $133 N N$, range $30 . W$, Fth P.M. as surveyed by Dodo W. Curs, County Rurveyor of Cases County, Think-


April 9 th, 1915. Left Walker for sylvan Thinnesota at 12:20 Slept at Hackencack at spin hotel and lad rereatfast. Reft for Bevan ac 10.55 A.M. Armies at sylvan at 12:25 R. Re. fare prom thaler to Ryeven
 Chairman of the Toulon TGoardi Staid with SS. Peamcuy, tad dinner at Cannery' hen ny rain, no work done to-day.
 Clilnmex and \& Kempo aremax. To run center lire of road in Rec 7, Tope 133, reg.29: The leave Sylvan at 7A.M. and go about Blt of a Pile East and $1 / 2$ mile tooth and find an ion post driven in to the
 point o set up with transit and foresight on an iron yojpe v of this joint: Rob lh of there ion yoijee have been set by $f$ ? CWro, one at sw corner of $\sec (7)$, and one at meander to the lake at section life Moth from sw comer of Rection, which is a Meander post on Ruction Line between Reaction $7 \times 12,2$ then Cliiui hort from sw corner as above, 1610 feet and put in tut on Ruction line:
Thence we run random line $N 29^{\circ} 20^{\prime} E$ and jut in hut at Station 4 roo. $8+00: 12+00:$, at $12+60$ we riven to edge of lake: at $12+002$ yeroduce the live over lake and triangulate: Item go to $30+60.56$ and pout a hut in 21+92.5 which is a point on the Northerly tact and vet (V10) hie in Restion (7) at the intersection of the random line, Nad paint hing 1515: Vet west of enter of north Naff of rection (3): 9 then Make Corrections from the random line to the true line; said true line Being a joint which is 1160 Yet went of the center of north half of

Corrections mede as Follows: $27+92.5$ goes 35.5 ft. East to bur line:: i2+00 goes 152.82 zt . Eases to true line: $8+00$ goes 101.88 gt . East to true line $4+00$ goes 50.94 pe. East to true line:

 We then call on Phr Anderson who is the owner of the property thu which the road runs, to view the road that we lave run, but he is not Satisfied with it and wishes us to change it. (The hoad would run thin one end of the lake in the prevent location:) wee then, at his suggestion, un a traverse of the existing road to pee if it is


possible to use the same (have denver at Anderconis house) Notes
for traverse are as follows:
Bequining at a point on existing nordic, 32 feet East of a tech oui the original Survey, Raid hub is at the Noccth ind of the line which Nun north $38^{\circ} 07^{\prime E}$, distance 137 feet: Sale this point $0+00$. Fraverec of
 Sta: 375.5 turn. $8^{\circ} 13^{\prime} \mathrm{L}$. And run $522^{\circ} 02^{\prime} \mathrm{W} 658$ feet to Ala $10+33$.5: thence $7^{\circ} 37^{\prime} L$ being $514^{\circ} 25^{\prime} \mathrm{W}$ nu x 366.5 gt. to Nta. $14+00$. thence ont $6^{\prime} L$ and pen $513^{\circ} 39^{\prime} \mathrm{W} 200$ feet to Dea $16+00$ : Hence $6^{\circ} \mathrm{P}$ and rem $519^{\circ} 39^{\prime} \mathrm{W} 300$ pt. to Sta. 19+00: thence $20^{\circ} 17^{\prime} r$ or $539^{\circ} 56^{\prime} \mathrm{W}$ and mun 92 feet to station $19+92$ Which equals hint on North 9 North Lection line between sections (D) and $12,7133,7 \mathrm{Tanges} 29$ and 30 , being 1610 ft. N of 5 w ear. of pec. 7 T Station $0+00$ equals random point on existing road; 3 oct east if heck on original purvey of proposed road: stub is at Naccth end of line which nuns North $38^{\circ} 07^{\prime E} 137$ feet. ice then go thatch to Sylvan at 6:15 PM: In the evening 9 make a golan of the existing Hoad, with a projection for a necuroad as near the existing horrid As possible. Nundaci April 11 th 1915 . To worked Panel P. Bocce. Sunday April 11 th 1915 . To work.
April 12,1915 . Start at o $A$. vern.
April 12,1915. Start at of A.M. We then shows Anderion the plan of projected raid: to this projection he is quite agreeable and ce ruin the kame for tim to Re. Herein are the notes for pare.

 thence $N 39^{\circ} 26^{\prime} E 1640$ feet: thence $N \not A^{\prime} 34^{\prime} E 283$ feet to a point. paid point is a hue on the original purvey as described ix the peticiour for the road, , th the south end of line, which is described as teeing $N$ $38^{\circ} 07^{\prime} E 137$ feet. From this point rue follow the original line of Crop Revvey and tie ont hus on East o west $1 / 16$ line Mouth of Rection(7) a distance of 1160 feet west of center of $N$ half of paid Rec (7) Thence pollard the riginal Revvey as deccucied in petition (old county) Den new at Andehions: $P$ yodle, P. Atauf and $l$. Kemp assist Finish this work at $12: 45$ PM. then went to $S E$ corner of $R e c$ ( 7 ) T. $33,0 \mathrm{~g} .29$, to nun a enter line of a road going Mouth from said Corner: Arrived there at sis PM. We find an bon pipe driven into the ground, same res pet buy d.Curs at previous time for the true cor. to pec, $1,8,17,18,1 / 33$, dAy, 2 p, accompanied by y $P$ Ide, potaib o k. Kemp we go s of this paint Lo locate the $1 /$ sec cor on the west side of Rec /7; (between pecs $17 \% 18$ ) in the Nance town and range: We. find an ion pipe driven into the ground fut all bearing trees are gone. There are also two wood posts on the fence line which is 22 feet N of above ion pipe there are no marks on these wood porto of any hived ts describe then: One resident named "Phillips" blains that one of them is a port set for the ( 14 ) pec. Buy a. ouriregor named "ttalilett" zee then go Socetk to the section con of Rec $17,18,19+20$, in same Township. we find that the water has been backed up several feet at thin point, formic a large lake: Tue find two tearing. trees described in the $u \cdot s$ seed

Notes $E$ of the Rection Cones from Which. We established a point dexcribel as being East of sec car $17,18,19,20$, a distance of $280,5 \mathrm{Ft}$. in $u$. S. Field Note.
We then go Rocth promithis point and find one bearing tree wo hick is standing and in good Condition: We ales find a tree lying on the ground which would answer the description in the $u$. S. field notes for the. second one. Original position mould have checked for course and distance, but all marks have keen destroyed by fire and decay. We also find an old post which was Ret from the hearing trees ivhich is 0. K. for hearing and direction and is described in the $u$. s. field notes as being. Nouth of ne cor to $17,18119 \times 20$, a distance of 615,12 feet We quit work at G.P.M. And return to Sylvan, Nigned: PR Breve.

April $13 \mathrm{th}, 1915$. We leave Rylvan at $7: 15 \mathrm{AM}$ and arrive at Dee cos of 17,18,19,20, T133, b, 29: 2 pet up on poet pouch of $17,18,19+20$ and ruin a triangulation line over lake in a Northerly direction and poet in a hub (the direction of this hire is $4055^{\prime} \mathrm{W}$ of North) 9 then Ret transit on hub, foresight on joint 9 have left and $\operatorname{turn} 90^{\circ} \mathrm{L}$ and put in hub at 200 fox. distant: I then set on this hub, foresight on hub that 9 left, tern 81010. R. and right jot 615.12. S of section Corner of $17,18,19,20$ :

Fy Calculation 9 find that 2 am 1286.96 feet from paid port pout h of Rec. Cor. of Rec 17,18,19 9 20, at the first hut set Prom paid post. I then set on first hic at 12+86.96, Backsight on void port south of Rec Corner and produce live in same direction to Station $32+99.1$ at this point 2 turn $90^{\circ} \mathrm{R}$. and gout in Nub which 2 find to be on the line bet. Rec Cor of $7,8,17,18$, and iron poos pipe before deccribed Mouth of 7,8,17,10 which is pointed out to me as being an established (F) sec car buy local Anowbedge and is generally accepted as such. There is however, one person here who caine this is not no, he states that a Reviveyor named "Bot". has disproved this. Thy informant is named "Phillips" (the Surveyor "Bob"" is his Roan). Distance from $32+99.1$ to this Rub io 213. 5 子 ta Which 2 calculated should be true line: I then set up on hut 213,5 East from $32+9.9 .1$, foresight on $32+99.1$ and turn $94^{\circ} 55^{\prime \prime} R$ and hug production of this line 9 an k sighting on Rec. cor $7,8,17,18$, but 9 find there rivill be many objects in the ray of chaining this line, to or from corner of $7,8,17,18$, sp $F$ set on hut on true line which is 213.5 feet East of $32+99.1$ on random line, and sight on the true line: 9 then turn $90^{\circ} \mathrm{L}$ and pout in lect at 27 , feet distant over which o set transit and foresight on Rec car 7, 8,17, 18, and run to same and chain distance which is 2686.5 feet: 2 then make corrections to true line at the rate of .01004 of a foot East of random line and 2 establish the center of the road from section corner 17,8,17,18. South on section line between sections 17 and 18, far a distance of 1486.5 feet to a point in road south of N.P R.R. track. We firick this at 5 PM. and return to Sylvan. D. Kemp axeman. P Ide and P, Stank Chaining: Signed P. Te. locke

April, 4 th, 1915. Started to run center lice of road in sections (13) and $24, T 133, \mathrm{vg} \cdot 30$, west. $P$ Ide and $P$ Stub chaining F . Kernite axeman roe go to the $1 / 16$ ear on the South Ride. of Rec. 13 , said Corner is the $5 E$ cor. of the $5 w .1 / 4$ of sw 14 of Rec 13 , (being the quest 116 cor bet. secs 13424 ,


T. $133, \mathrm{lg} \cdot 30)$ and we find an iron pipe driven into the ground
to $\rightarrow$ mark this $1 / 6$ co to mark this $1 / 16$ cor, said pope was sect at a previous date thy div.e.eno $\theta$ pet the transit on this $1 / 16$ and we run 7 orth prom here on a random line until rue intersect the center line of exiting road Which runs East and rect and parcel with the Northern Pacific Railway, a distance of 3285 Ph From the paid $\overline{1} 6$ conner. We then go to the $1 / 1$ post on the quest side of pee 15 , and fired it gone, together with its hearing treen which have keen cut down

 previous date buy fir aurogrom which rue run randoms line North (tetrveen Rectione 13 and 14) to the NW corner of Rec 13 , (being the corner to rectione $11,12,13,17,7,135,0 \mathrm{y}, 50$ ) distance on
random line is $55+6$ leet and random line is $53+6$ feet and my random line is 2.8 feet $E$ of the NN cor of $\sec 13$, at which yeaint 9 find an ion jijee which was set hufd.v. Curs at a previous dote (for the tore sec. corner) ot then make a correction to the true line at the Is port on the West side of sec 13 , (being the $1 /$ corner between seed $(3+14)$ moving my random line 1 . feet rest and gout in the to mark $1 / 4$ section 2673 feet nowt of $5 N$ corner of sec 15 , and quit work for the night. Signed face re Bocce.
April 15 th, 1915 . 2 the run random line prom west $1 /$ y poet to East 1 ti poet of pe 13 , and find my random line upon reaching
the East line, to he 600.6 feet Mouth of the $1 /$ yooct and are right the east line, to he 600.6 fut Rout of the $1 / 1$ port and are right angles to my random line. I then check the it poet, which is a 2 Fish hut in the ground but going to the pouts of pection 13, at corner to Rections 13, 18, 19 and 24, on range line betciven Tope. 133, N , Danger 29 and $30, w$ at which print 9 find an ion yipe driven in the ground by dix. Curs at a previous dote (to mark the true section corner) vier which 2 set the transit and foresight $N$ on iron pipe at $N$ of sec 13, said jojpe was set by d. Curs at yo revious date ( to mark the true coiner of eRections $7,12,13 \times 18,7,133,0$ ge $29 \times 30$ ) 2 then Chain the distance hetrveen the SE Corner of 13 , and the NE COs of 13 and find prime to th 5293.55 feet. There are no hearing trees to mark the $1 / 4$ Rec on this line, ss 9 take $1 / 2$ of this distance and chuck unto the hut at $1 / 7$ section a distance of 2646.72 gt . From South comer of Rec 13, and on the Reaction line. Length of random line 5179.13 fut: 2 take $1 /$ of this distance whied equal. 129.6 .6 feet and correct at this print unto true $E P W$ center of see 13, a distance of 15015 feet north which equals $1 / 16$ corner in center of west ray f of erection $13,7,133,7 \mathrm{gy}, 30$. 9 then find that the random line that 2 ran from west $/ 16$ corner bet. Reck
 paid $1 / 16$ comes, 20.62 feet. I thane the poleoving correction From randoin north + Row th From west $1 / 16$, at station $3+00$ 2.3.5: at pta. $6+00=4.70$ : at pta. $9+00=7.05:$ at $12+00=9.70$.
at $15+00=11.75:$ at $18+00=17.10$ : at $21+00=16.75$ : at $27+00=18.80$ : and produce this thee line north, thought to the center of thai
hoad which runs EH N with the N.P. Ry a distance of 662 lect: Total lenget of road north of $1 / 16$ corner to point intersecting raid at NP. Ry, 3285 feet. We -then go pouch to whet IV c between pectione 13 and 24, and produce Frith transit the road which rue have run North of south on the same true line a distance of 482 feet, thence $567^{\circ} 55^{\prime} E 5.69 .8$ feet: there 538.251 E 639.8 feet: Thence $572^{\circ} 40^{\prime} E 437.5$ feet to a two inch hub placed near ti the center of the north half of lection $24, \pi_{1 u p} 150,7{ }^{\circ}, 30$ : therese tue run $N 89^{\circ} 25^{\prime} E 1292.7$ feet and intersect an ion peijoe driven into the ground that marks position of the center of the NE It of rec. 24, jolaced buy diN. curs at previous date: On the same hive we run 1296.5 feet and intersect an iron pope which mark the North $1 / 16$ carver on section line on East ride of $24 T .133, \mathrm{Mg} .30$ and quit for night. Signed P. TR. Race.
 Where we find an old port in the ground: The following $u$. s. Tearing
Red oak 5 inch $552^{\circ} \mathrm{W}, 17$ links:
Black pine 9 mich, $568^{\circ} 30^{\prime} E 0^{\circ} 0$ link
Flack pine 8 mich, $N 180^{\circ} E$ - Nodictance given.
Hack pine 10 mich, $N 48^{\circ} 30^{\circ} \mathrm{W}$ - ${ }^{\prime}$ no distance given.
we find the frelowing trees: a red oak stump burned off level with the ground, 55 20 W 13.2 fut, ace marks are obliterated, Blackpive a rich 68'3 ' E 42.7 feet with $u$. S. Marks on same.' Beach pine $N 18^{\circ} 30^{\circ} \mathrm{E}$ with stack marks. $0 . K$. Wee accept the oed post ae-teing $Q . K$. as all three hearings check and distances are clop This pot has ten accepted as the original for 25 years, where 9 drive a 2 inch ion pere for the nee cor from which 9 run $N$ on a random hiv, 2651.4 feet. At this point 9 find an oed $1 / 1$ post.
 bearing trees: Flack pine $14^{\prime \prime}$ west 12 links $=7.92$ geek Flack pine 5 much $N 15^{\circ} E+4$ links: $=29.04$ feet.

2 find stump 14 Mich, 7.9 feet west: stump is burned but these are still marks for oed uss ecribes. The "black pine 5" $15^{x E E F F}$ linki"is dectroyed: there is however an old tree that checks for course and distance, but it is blown down and decayed. \& re-estaberík the red post and drive an iron spike 3 feet long, for $1 / 4$ corner bet
 Each of this $1 / 4$ earner. I then correct to true hive from cor of $8,9,14,7$. $1 / 4$ ear Let $8+9$, as follows: Sta: $3+00=0.5$ : Sta $6+00=1.0 \mathrm{ft}$ : Sta $q \times 0 \mathrm{p}$ $=1.5 \mathrm{ft}: 12+00=2.0 \mathrm{ft}: 15+00=2.50 \mathrm{ft}: 18+00=3.0 \mathrm{ft}: 21+00=3.5: 27+0 \mathrm{~F}=$
$4.0 \mathrm{ft}: 26+51.4=4.5 \mathrm{ft}$. 2 them set on $1 / 4$ corner and rue in pe 8 4.0 ft: $26+51.4=4.5$ ft. 2 then set on $1 / 4$ corner and run in see 8 an follows: $587^{\circ} 48^{\prime} W, 805.3$ feet: thence $N 50^{\circ} 29^{\prime} W, 465$ feet: thence $N 0^{\circ}$ 25' E, 392.5 feet; thence $N 37^{\circ} 36^{\prime} E 208.5$ feet: thence $N \neq 9^{\circ} 58^{\prime} E, 260.6$ feet: thence $N 38^{\circ} 26^{\prime} E, 256.4$ feet: thence N $39^{\circ} 44^{\prime} E, 451,8$ feet: thence $N$

6903 ${ }^{\circ}$ E, 660. feet: thence $N 52^{\circ}+9^{\prime} E 609$ feet: thence $N 37^{\prime} \neq 3^{\prime} E 1935$ feet:
thence $N 29^{\circ}+3^{\prime} E, 221.5$ feet: (this Auk ic a point on section lice botureen
sections 4 and 9 ah a pain $43 \neq 2.5$ feet quest of section car to sect $3,4,9910$ T133, $\operatorname{Tg}$. 29). We then quit for night. Total chain $71+75.9$ fth pron peach.
 $4 \times 4$ post placed ii the ground to mark position of Rec
cones the Us S Note call for a pore and the foleouring beaning trees:

Black pine 6 mich $560^{\circ} \mathrm{W}, 54$ links ( $=5.5 .62$ fth in sec 9)
Black pine 6 mich $58^{\circ}$ E 75 links: $(=49.50$ ft in oc 10 )
Black pine 12 inch $N 68^{\circ} E_{\text {, }}$ o links: $(=46.20$ Ot in per 3$)$.
The heaving trees are ace gone, save on 17 which how way pine Which is scribed with the IL minks, and her been generally as Cepted as a hearing tie to locate position of the conner from, far the list 17 years, for this check for direction and distance and is $68^{\circ}$ Et 6.20 Zech Here is an old tuned stamp, $5600 \mathrm{~W}, 35.64$ get
 Mg. Ra, and lind it to te in the present position, tore then ce h up transit at this joint and run Feet on random line to the if Corner, being comer of section $7-5,8+9,-13,3,12,29$. We find a port in the river, bic the rater and ice prevent us from going there with the transit. however we find out prom the gamers that this post ivs located as the riginal sec.cos, and has den preserved ar ale times as such, and has been used by pevveyons in all servers in this viomity. we find an ot k 2 a inch, S310E, ज50 links Which checks for direction but owing to ice and water which has been raised thy a dam on the river, tiv are not able to chair it out. We accept this as the original conner. Tue then gird that the random line far the section line is 10 feet north of this paint a dist ane of 5-3+03.2 feet from the east earner of sections $A+8$. I Save to triangulate for the distance 7 rom $43+4-2,5$ to $\sec \cos$ of $4,5,8 \times 9$ as Felimix. $a t+3+42.5$ on random hire that rue ns west, 9 turn $90^{\circ}$ Whf, distance of 221.5 fut and jut in paint at this distance, over Which 2 set, foicight on the point $4,5+42,5$ and thin 77001 left and Night an aport 10 feet north of Nee corner of $7,5,879$, and calcilite the distance from $43+42,5$ to pec cor and gide it to be 9.60 .6 feet. $43+72.5$ phis $9+60.6$ equals 53.5.2Hect. W then correct from my random dine south, EAW as followio: Station 3 too goes s 0.56 yt 6 too goes shul 3 ft: $9+0.0$ goes s 1.69 fe: $12+0.0$ goes 52.2 .6 ft $15+00$ goes $s 2.82$ ft: $18+00$
 5.09 ft: $30+0.0$ goes s sike ft: $33+0.0$ gale s b. $21 \mathrm{ft}: 36.00$ goes s. 6.78 fti
 station $43+425$ from eec car 3, 4,9410 , equals 71.75 on line which start sec. cir of secs $8,9,16917$, T, $133,7 \mathrm{~g}, 29$, therefore the total lengTh of the road measured 8 rom pic con of $8,9,16 \pm 17$, to sec car of $3,4,9 \times 10$ is H1s+18.t fut. Bearing of Aec line io s $88^{\circ} \not 0^{\prime} E$ quit far right and return to sylvan.

Aperil 18 th, 1915. Simday, no wark. Opril $19+1,1915$ ivack m making recorive of ale wosk done since.. Opril 9 th to present date for the Toun of Aylvan, and take train on NP Ry: at $2 R M$, for walker. Arivive at Walker at ti 20 R $M$, N. Nere Nylvin to vaeber 11.48 . Dtay at Chace Fotel, quik work it 6 : 30 Hirveyed aprile th, 1915 to aguil 19 th, 1915
Recorded $718.28,1917$. Digred Paul te. Yacee.

Courty hurveyar Cosp dinty- minn.

Field notes of the purvey of the Thackeneack- Woman Rake Cocenty road and the finding of oed UsS. bearing trees and eotabliorment of mech Corners in Rections. 18,19,20,21,28,29,50, Townahijo lt 0 N, Range 29 W and sections $13,17,15,16,17,20,21,2,2,23,24,25,26$, Tounshijo 140 , 灭g. 30 , as purveyed buy John wicuro, County Surveyor of Case County Thinnesota.

July 5 th, 1907. Let pine Reviver at 3,36 PM. Train and came to trachensacke. Guy 6 th, 1907 . Vraliew to Ed o'loonnelis and got dixies, then Lack to Nackeneack after which Charles Larson took me to his peace on section $=0,1140,7 \mathrm{lg}, 29$, where we arrive at dark. Ores night at Larsons.

Sunday fuly th, 1907. Ed. O'Ronnell, Philly konaldeon and Victor Folmberg and curs, begun survey of tackensack- Woman Hake County. raid. The begin at $1 / 4$ post on south Ride of Rec. 19 , being the $1 / 4$ corner between sections 19 and $30, T 170, \mathrm{Tg}, 29$, where $2 \mathrm{~L} . \mathrm{S}$. Notes call for a port and the following hearing trees:
Norway pine 9 inch, $550^{\circ}$ E 50 link e $=33.00$ Lect (in sec 30 ) Kivich 6 wien $N 22^{\circ} \mathrm{W}, 11$ links $=7.26$ feet (in sec 19)
The find the old 9 rich Mornay pine Hearing tree, down hut plainly marked from which we set the true $1 / 4$ conner and drift 'a cost, at $8^{\circ} \neq 5^{\prime}$ variation east, as the true meridian, No other bearing tie can be found. A post set buy John Maker, stands Northeast about a feet. we nun west at $8^{\circ}$ A $^{\prime}$ var: Ten about half a mile and found old corner port marked up buy former County surveyor who claims to have Ret it from oed hearing trees, but by y taking the same trees 9 mauve the stake s.W. about 10 gt This is the corner to pecs $19 \% 30, T 140,7 \mathrm{gg} .29$ and Rece 24 and 25 , T. $140,7 \mathrm{lg} .30$, where U.S. notes call for a fort and the following bearing thees.


from my new true eec car post the old bearing trees stand as follows:
Bin. 7 inch, N $68^{\circ} E 3 \nrightarrow$ lbs - Burch 8 inch $N 52^{\circ} \mathrm{N} 60$ links.
始. 6 mich $560^{\circ} 30^{\circ} \mathrm{W} 30$, ( $n$ ot 80 ) hings: Apr. $10^{\prime \prime} E 17^{\circ} 30^{\prime} 5$ about 11 links. There is evidence of another 10 sch spruce which stood $51 \neq 30^{\circ} E$, 21 links. Faking ale in ale 2 consider the corner correct as peer above fearing trees and set stake accordingly, Taking the new hearing trees which seem to have keen pet buy former Cocenty Purveyor, they are as gallous:
Noway Pine $10^{\prime \prime} \mathrm{N} 46^{\circ} \mathrm{W}, 47$ \& pet.
Oak 8 inch $537^{\circ} 50^{\prime} E 34.60$ feet, ale above Courses at $9^{\circ}$ Var. from this corner we nun North on $9^{\circ}$ Variation, between sections 19 *24, At628.ft. $N$ Ret hub. 4 tack: Ah 1225 feet crows oed main
traveled road: At 1320 ftiN set hut and tack: at 2670 gt $N$, set Rub and tack. The true $1 / 4$ corner bet. secs $19 \times 2+$, hears $N 67^{\circ} E 119.50$ yect pet from one bearing tree. At the $1 / 4$ cor bet secs $19 \times 24, \mathrm{~K} .5$. nates Call for a post and the following hearing trees:
Aspen 16 inch, $556^{\circ} \mathrm{E}, 12$ links $=7.92$ feet in sec 19
aspen 14 which, $N 85^{\circ} \mathrm{W}, 15$ links $=9.90$ feet ir sec 27 .
We find the 16 mich aspen standing plainly Marked, standing $556^{\circ}: 1$
7.92 feet from which wu e set a stake for the true $/ 1 /$ corner. Ale other 7.92 feet from which rue ret a stake for the true $1 / \%$ Corner. All ochers are pane. Correcting tact $1320 N$ goes $N 67^{\circ} E 9$. 70 feet Low point pos
tune Such $/ 16$ Corner bet Rect 19.927 . Folmberq and Donalde on tune Such $1 / 6$ Corner bet rect 19.927 . Folmbery and Doralde on beach get in gull day. O' Donnell in A.M. $1 / 2$ day. Charles Larson roorkell. in PM. $1 / 2$ day. quit for night.
Dinner at trackeneack. Supper and over night at soaker.
July 9 th, 1907. Tuesday: Commissioners meet. I leave
ing train, diviner at ztockeneack: Leave tackeneack at is $M$ and ride
ant with france Boner: Arrive at Laroon'e about dark.
July 10,1907, Wednesday: Pained in A.M. Hut 9 send George Larson to
Lusleris to tell them to come to work, for rokich 9 allow Parsons Souther Lusleris to tell them to come to risk, for rokich s allow Parsons Lathes $1 / 2$ day on survey work, to Char. Pheon gets in $1 / 2$ day. Ah. A. Heckles and A.H. Luster, his son, arrive at Larkoxis at $12: 30$ or 1 i $M$. and tue drive out and begin work finishing isp meet boundary of sec 19, T. 170, dg. 29.
 hack at take $1320 N$, we. Mun $N 67^{\circ} \mathrm{E} 9.70$ feet whore we set a square Retake for the true Mouth $/ 16$ corner between Rections $19 \times 24,7140$, pga
29430 . - July 11 th 1907 . Hurler and Ron and 9 work all day cutting line vest

 23, T.140, kg. 30, at which point $u$.S. note call for a jerk $y$ the fallowing b. Ti.
 Tom way pine 12 mich, $5.15^{\circ} \mathrm{W} 70$ le $=46.20$ feet in sec 22
Mouvay pine 30 mich, $N 6230^{\prime} W 222 \mathrm{lk}=146.52$ feet in sec 23 Pe find aet the otumperjplainly marked from which wee set a blake for the true corner to Rect $14,15,22,23,7$ rug. $170,7 \mathrm{lg} .30$, and run East at 9\% Variation: Wet $14723:$ At 2640 yt. East set Rut and look for the $1 / 4$ corner between secs 14 and 23 , where $u$.s. notes call for a post and the following tearing trees:
White birch 5 inch, $528030: \mathrm{W}, 32$ lees $=21.12 \mathrm{ft}$ in sec 23.
white pice 5 inch, $N 39^{\circ} \mathrm{E}, 18$ les $=11.88$ feet in Rec 14 .
All are gone and we continue East; At 2700 enter slough; at 3200 leave same: At 3700 pt .E set hub $\%$ tack; at 3720 E coos oed road. at 3810 ft. E enter slough: At 3960 E, set hut in Rough: at 4060 Lv slough: At 4140 pt.E Ret hut and tack: At 4375 enter slough: At th $7 \leq L v$ same: At 4700 enter slough: At 4900 heave same: at $5 \geqslant p$ R feet $E$ Ret hub and tack: At $5310.36 \mathrm{gt} E$, set hub, Rec cos, gut for night.



 Noway pine 12 inch, $N+8^{\circ} 30^{\circ} \&$ io eke $=30.56$ ft. in Rec 1 . Now nay pine 8 mich, $N 5 N 3+$ le $=23.51$ ft. in sec 23 . Now way pine 8 inch, $568^{\circ} \mathrm{w}, 35$ hs $=21.20 \mathrm{ft}$, in sec 20. Thavaiy pine 9 inch, 510 E 37 le $=23.57 \mathrm{ft}$ in sec 27 The looked for the Hearing treen at this car but coned gid none. Billy Donaldson thaws us the stake which the claims to te the true. Corner, buried in the ground in the center of the $5+W$ wagon rood, and pay former County Purveyor Canfield used this stake as the bus section corner. The continue east on same transit line on 9\%' Variation: at 5850 fth, enter plough: At 6000 leave same: at 6275 enter of 50 foot dry slough: at 6480 enter wet tamarac revamp: at 6500 gt East leave slough At 6600 set hut for temper any $1 / 10$ at 7920 set hub aud continues: at 8460 enter lower arm of webs lake: Ttalmbery surins lake ant measures across, for two days extra yeay: tolmbery sets peaked and chains to station 20.15 . and set stake about 20 feet east edge of lake, then put a hut on side hill to -nark the transit hire and quit for right.
July $1+$ th 190. Sunday. laid up.
 cutting our preliminary transit hin North along range lice so as
 fake. The going to station ho .13, Ret thy 7tolmbery in sui edge of on Name transit line. Variation reade $8^{\circ} \mathrm{E}$ : at 10560 feet $\&$ set join: At about 10565. Fret two tube, them take up preliminary and mean Thoth on $9^{\circ}$ Variation, and ginit for right. and A. H. Lever witch curs transition, continue yoreliminavy line Roth

 from which we set the paint for N.C. Fut did not make any new Bis, or set a big stake. Sling tack to our preliminary we take the Coccree and distance to the M.C, then Walk Route and pet in the cor to pecs $18+19$, of T1170, 72. 29, being the cor to sens 13721 , Ff T. 170 , 易 30 , Where wi set $a 4+1+36$ in id stake for the tome corners. At this point U.S. note o cull for a yoost and the following hearing trees: pinch $8^{\text {inch, }} n+2^{\circ}$ E, 6 +eke $=42.27$ ft in sec 18
traple 10 mich, $N 44^{\circ} \mathrm{W}$, 70 les $=26.70$ th in see 10.
Winch 8 wish, $572^{\circ} \mathrm{W}, 31$ ike $=24.72$ yt. in sec 29 .
asp. 20 which, $555 \mathrm{E} 25 \mathrm{lh}=16.50$. St. in sec 19. All are:gone. Total distance running east to range line, in 10605.ze feet vo re eat our hush in 0'Rorneeli house. Then coning text to tret tho. 6600 feet set, wee set a hutch at 6624.09 ft East, Comoidering. th

Whole 10565.28 feet to be 10605. 30 feet actual length or 40.02 ph. too
 center" at the li. cor. Hel. Rect $13+24+7.140,7 y, 3,74.5$. Notes call yon a Host and the Following hearing thee:
Gron-ruod 5 inch $S 210 E, 6$ les $\stackrel{O}{=} 3.96$ feet in Rec 27 :
Sugar 6 inch, $N 55^{\circ}$ E18 lbs $=11.88$ feet in Rec 13,
9 find the joint of the red stake and a part of the old Nugas Shape Leaving the, also the root of the tronevood which check out with the oed staple, O set a new stake, then take neaovement to my transit line, and walk: Wert It mile and at a joint half way between the sw cor of Rec 13 , aped
the $1 / 1$ on south side of sec 13,9 istableah the true rect llb ear bet- see: Band 24,T: $140,7 \mathrm{yg}$. 30 , From which we run Mouth on $8^{\circ} 75^{\circ}$ var. on the west $1 / 16$ lice of Rection 27 . At 660 ft . Set Rale: At 760 tope g 30 foot hill: Ah 761 set hut 4 tack: At 96070 ot of hill, enter slough: At 320 fl. S, set stake in slough: Grit for night.

July 17 th,1907. Fanon o Con: Albert Hushes + Chis. Parson, Avo,
trancit-man, Continue pouch: $A t 1350$ leave slough-- foot of hill: at
1606 set huh; tack on hell; at 1650 pt s, enter slough. at 1860 1606 set hut + tack on hell: at 1650 pt. 5 , enter slough: At 1860 Lv same At 1910 enter slough: At 1980 Ret stake ir plough: At 2008 ft .5 , leave slough: At 2323 ft $S$ set hut t tack: at 2375 enter slough; 2640 set stake in. slough: $a t 2700 \mathrm{Lv}$ slough: At 2907 set hut! At 3300 set stake: At 3547 ft. S, Ret hut and tack: at 3900 set hut t tack. At 3960 yt.s set Ruby tack: 4620 set patel: At 5280 ph. s set hub * tack: At 5-3 46S, O'donnelle, $/ 16$ stake set on Mouth side of Rec. 24 , sets Enact 3 feet. Quit for night.

July is th, 1907 . Stans on o Non: ARas Larson, Albert Hushes $t$ Curs, begin
 poet and the yollocving bearing thees:
White yovice 4 inch, $s 79^{\circ} \mathrm{W} 19$ eR $=12.54$ feet in Rec 23 .
Norway gene 9 inch, is $87^{\circ} 30^{\prime}$ E 19 eke $=12$. 54 feet is sec 24 .
we find both tree yecainly marked from which we ret a jot for the true if corner and riv poicth on 8075 var: At 1320 ftc, set hub o tack: At 1500 Ret hub un meadow, then offset Eat 180 pet East at 900 angle to get around sncale lake and run south to 2295.50 fth. s the offset tack west at $90^{\circ}$ angle and set Rut south pile of lake at 2295.50 S: Ah 2640 ph. S Ret huck and tack prom which the car. To Rene $23,24,25+26, T \cdot 140,7 \mathrm{~g}, 30$, sets $S 64^{\circ} \mathrm{E}, 25,30$ feet, at the's point U.S. Nates call for a post and the follouring bearing thees: Norway pine 10 inch, $N 63^{\circ} E 19$ les $=12.54$ yet. in sec $z^{7}$
Norway yoine 10 inch, $N 75^{\circ} \mathrm{W}, 17$ les $=11.22$ yet. in Rec 23 .
Norway join 12 inch, $572^{\circ} 30^{\prime} \mathrm{W}, 39$ eke $=25.74$ th. in Rec 26 .
Tue find the stumps of each of the bearing thees from which we Ret a $7 \times 4 \times 24$ inch stake far the true Car. to pecs, $23,24,25 \times 26,7$, 1 , Yo. 30 , and mark a new hearing tree, being 6 inch stump $5 \neq 2^{\circ} 37^{\prime} E$, 101.10 pectin Rec 25. Correcting hack, we set hut $1320,562^{\circ} E, 12$, bo fth. Where we set $a 4 \times 4 \times 36$ inch stake for the true $51 / 16$ cor bet sees $\geqslant 0$ 424 , this corner sets just over the fence, in Ed. O' Donnell Clover

Bringing up the Routh yub line frome the vast forearivaly run by me, thin ybe car just set, Atandr nooth 6.30 fect. Carrecting the two traxsit lines just reen in the genter of the sin quarter of pec 2 s; we set one line 210 feet cast and ane line 4.70 feet N wher zue ket b peake for the center of the sw qiciater of sec 2t, 1.140, 10y. 30, 7rom which we hegin and chain along preliminary easti ak 180 fot enter sough: At $\frac{50 L}{}$ Lime: As 6 so eenter of 30 yodt plocigh: $A k 212 f$ hut for angle Bt Noll, on corrected EtW I/le line heing road Center; theuce run Lege $16^{\circ}$ or E $16^{\circ} N_{0}$ And af 400 fut center of 30 poat elough: At boo ft: center of 50 poat Aloigh: atif40 pt, enter west end of slough: at 806 Yt center of bidge being angle pociet noiz Thence Eact, $28^{\circ} \mathrm{N} 3.95$ feet to angle point 5 . Ret Riefi thence East 15-16'5232
 line 352 . feet to the $1 / 16$ an penge hine being the soith $/ / 6$ het rece 19 and $2 t_{1}$ perevioudy eotabliohe: Thence 1323-foct point aising the reange line to the cor of peco 19,21 , 25450. To correot the line het cece 12 and 30 incthe $W 1 / 2$ mile, we figure as
 rete Sowch 58 fuct Carrecting East, at 540 E. center of 100 foot slough at 6.60 E set etake saicth 4350 fut for road center oin turce cection line: at 1320 ft East retpoot 29 . feet Rouch for road center on the center of $a 125$ foat alorighi: at 16 oft 8 cinter of 75 foot slough: at 1980 , set stake 14.50 . feet Louch fion center of road on rection line and gul for ninght.
 correcting: at 2012 E, ect etake foriroad center bieing an angle paint from which incmun s 41 \& 270 . feet th angle point thence rast parallel to cection
 conter of 25 foat alaigh on neck of lake that vile hive to be bridged ar is cilverted thenci Easl follouring cection line wo feet to the 's corner betwren sectione $19 \times 30,1140$, Rg. 29: Beginneng at the 年 corner hetiveen rections 19130. 1140 329 run Enct an $8^{\circ} 30^{\circ}$, variation at 60 ft E, ect stabe, enter daugh at 2180 leave elaugh: at $2 \%$ orenter slough: at2650 feet Eact the section cornci posl otande Lauth 2 ffeetin firg neadow. Beginning at cammen to rection $1220,2930,1,40$ Og 29 net by Connty dunveyor Sanfield uerum East on $1045^{\prime}$ var: at 810 fl $E$. leave big bog: at 1290

 sinter af 50 foat relough on top of high hill: at 31 so inter sumpp frat of fill: al 300 E , stake inslough: at 3960 fl $E$, set stake in center of old main roath :at 4620 Eset stalee: at 52 soffet Eashthe ture coraea.
 28297140 Gg 29 Kid noter call for a part and the follourng hearimp: Dassuood Hinch, $831^{\circ} \mathrm{ti} 3.2$ lh, $=21.12$ fh in eec 29. paveivo 18 inch $n 30^{\circ}$ W $4 /$ lhs, $=27.0 .6$ fh incoic. 20 .
Fir 5 inch, $f_{24}$ E 3 sele, $=2$, of fll in elc. 28 .
Fravirad tinch, $n s 2^{\circ} 862 \mathrm{lh},=40.92 \mathrm{ft}$ in sec. 21.
un riin a line in each section and larb for the bearing breen: find three old w beaniniz trees fism rvhich viset a ptake $4 \times 4 \times 36$ inch

we drive a stake and gil for night
Fill esth 1907 Martin ant fritz thasision allee Euler and Chaw Lanconinid
 trailed road and run a town use line of the ald road ens fallowirame ar foleorus:
 thence $n 40^{\circ}$ ह12 25 feet thence $n 88^{\circ}$ E $2 \lambda 0$ feet: thence $n 41^{\circ} \varepsilon 200$ feet thence $n 20^{\circ}$ Eroofeet: thence $n 32^{\circ} \varepsilon 100$ feet thence $n .40^{\circ} \mathrm{E}, 155$ feet thence $n 50^{\circ} \varepsilon 355$ feet thence $n 60^{\circ}$ E180 feet.
 then len ce ald mad sud take sher minis tail $n 7^{\circ}$ E still following old rads soffit thence $n 28^{\circ}$ Gfollaving old road 190 feet thence $n>4^{\circ}$ Eon new line, 1545 feet thence north $55^{\circ} 30$ E 838 fut thence $n 38^{\circ}$ E 580 feet to never thence $n 38^{\circ} 2,275$ feet to no rd bank of river: there ie 75 fut of hog on notch side of river, 100 fut of inter and 15 fit of bog tow th if river: quill for might.



 throw the mo ad almost louth of the bog- little slough East of us: hub, 320 E, goes

 feet wren this 'inc between rectionsiagke to see what chance there wouedic for the proposed Cointyrsad to ruin Low h to connect with the present trained road along the now hiside of roup Laker, and thence hastily, and as the north end of the line is in a mash ire begin at corrected hub 1737 feet now th of $2 m$ a 30.55 ,

 ts 8 feet intersecting the sow h boundary of section 19 at a point 338 feet wert of the conner to section i 192029.30 . Then tue run a traverse of the present teconded viand along the root ride of Hep Lake me begin on the section line nora of ma.
 main no wi 360 feet thence East 180 feet: thence $n 75^{\circ} 8180$ feet to bridge thence $n-11^{\circ} \mathrm{E} 450$ feet thence $n 53^{\circ}$ \& 450 feet thence $n 51^{\circ}$ Entice on main road, 360 feet. thence $n 15^{\circ} \mathrm{E} 140$ feet thence $n 40^{\circ} 8100$ feet thence $n 25^{\circ} \mathrm{E} 180$ feet thence $n .10 \mathrm{E} 9 . \mathrm{fecti}^{\circ}$ thence til on main is rad, $\pi 41^{\circ} \varepsilon 450$ feet, thence $n \& 2^{\circ} \& 810$ fut: thence $n 65^{\circ}$ \&2.70 feet thence $n 75^{\circ} 8190$ feet: thence at 11 an main road $n 45^{\circ}$ \& 8 feet. thence $n 30 \% 3 \geqslant 5$



 boat for corner where Y. S. nates call for post for Witiress comers 30 linker which wot hearing trees as follows:
Roving pine 20 inch, n.55 20 0.3 lek $=67.98$ feet in sic. 17.
nontiny feme 20 inion, $n 340^{\circ} \mathrm{E}$. $94 \mathrm{ele},=62.04$ feet in rec. 16
Ene find the stump of the ns tree in section oc, plainly marked and rue find the nuttrein rec 1 , standing green and plainly marked, and from these inc ret a stake for the tune vileness cronerfrom which re sun Saith iso feet (30 link) and set a $4 \times 4 \times 60$ inch pine pool for the trice
 well down into the mud and water and frosnthis conner we nun zorch between rectianel6ansh13, a distance of 320 feet to the center of the main trawled road: Thence $H 60^{\circ} 30^{\prime}$ E 1815 . feet ( 110 modal thence I $55^{\circ} 05^{\prime} \& 2145$ feet $L=120$ rode) thence is $51^{\circ} 30^{\prime} \varepsilon 1501.50$ feet $L=91$ modal thence East 429 . feet $L=26$ model an
 - Be This line wac res with a compares with the vernier turned. at $9^{\circ}$ variation East: at this point .u. S. notes calls for a post and the following bearing trees:
White pine, 10 inch, $n 75^{\circ}$ \& 20 eke, $=13.20$ feet in see. 15 . White pine, 20 inch, $\mathcal{S} 70^{\circ} 617$ le, $=11.22$ feet in sec. 22 .
" " $15 .$. , \& $75^{\circ} w 32 \mathrm{lk},=21.12$ feet is see 21 .
$\because \ldots \ldots .20 . ", n 45^{\circ} w 46$ les, $=20.36$ feet iv ce. 16.
Tue find the stumper of each of the fearing trees standining in each section, plainly marked and fran these stumppux. set a $4 \times 4 \times 24$ inch pine post for the true ever to section
 day at this work an id. I will 0.7 .this fill. Lusher and Lu w get in ane day. Thanow and Sow get in $1 / 2$ day. B. B. Bartlett. has pereuciusly un the lines in sectivice $15,16,17,20,2\}$, 22, and 9 retrace his line along a present trawled road. Surveyed july 1907 to full $22,1901$. Recorded February 28th, 19,7. Gohwtw. Curs;

County Surveyor, Cases County, Minn.
J.142, R.31. Secs.17,18,19,20,21,25,29,20

Field notes of the survey and subdivision of section 20 , and the ectabliakment of lines and new iran section corners and monuments, ale the finding of old and new bearing treen in
 Cases Canty, Minnesota, as surveyed by and under che direction of goth W. Curs, County Surveyor, Cases Cacenty, Minnesota
march 22 nd, 1915- Eve start the survey of section so 1. 142, Ag 31 with field notes previously procured. n. Ne som en Engines in ane crew looking up comers arsed bes. EN. miller Engineer in another crew running transil. John sell and Mike 1 Bucick ar and chainman go to the $1 / 4$ comer between section e 20 and $2, \sqrt{2} 142, R_{g} 31$ where $\pi$. S. note o call for a past and the following hearing trees:
White pine 28 inch, in 40 lees $=26.40 \mathrm{ft}$ (in eec 20 )
White pine 30 inch, $\$ 19^{\circ} \mathrm{E}$
White pine 48 inch, $n 40$ ll $=(-26.40 \mathrm{fl}$ in rec. 201
white pine 30 inch, $819^{\circ} \mathrm{E} 13$ les $(=8.58$ ft in eec. 29$)$
Tue find the stumps of both old treen plainly inarked and a $A \cdot A$. spike, set by are for the "/s conner from which eve rus west an Var. $9^{\circ}$ E: at $233.10 \mathrm{ft} . \mathrm{w}$, net hub: at 76.9 . Pt West pass two feet nock of what appear to be line tree being 14 inch alk, blazed on 6 . 4 wides: at 825 fo. Wi a nob wagon road: at 1281.25 W , set hub: at 1531.50 w, set hub. at 1718.40 W, net hub: at 2115.00 W, net hub: Sormaw and Socbel leave for town about 2.0. M. While Bucich and miller remain in the field ties 5.P.m. Chainnig done by Roman and miller till 2.O. m. after which Bucic and mills chain. Used a 100 foot steel tape and pluinb-bob, ala transit used, and all hubs double centered and tacked. Gil for night, Roman and I staying ot toll Chase, signed Bes. W. Miller. Tuesday, March 23rd, 1915. Roman goer to thackenoack on 9:35a.中. train to survey sec. $36,7,141$, R.,31. Bes. W. niles transit and chain: mike Bucic ch oas, Chis. Warren ax: Aug bris amman: Begin at hill 2115.00 W, and continue West between sections 10 and. 29: at 2376.30 W, set hub: at 2616,00 tho comer to sections $19,20,29,30,7142,0 \mathrm{gg} 31$, sets Lack 16 feet: at this point $u$. S notes call for a post and tho following heaving trees: Poplar 4 inch, $n 55^{\circ} \varepsilon 12$ lee $l=7.92$ fuectin Lec.20) Poplar 3 inch $n, 33^{\circ} \mathrm{W} 28$ les $C=18.48$ feet in dec 191
Black oak 3 inch, $847^{\circ}$ wo hes, $1=6.60 \mathrm{fh} . \mathrm{in} \mathrm{sec}$ 30)
Poplar, 6 inch, " $s, 7^{\circ}$ \& 23 les, $(E, 16,18$ feet insect. 29)
We find the stake previously established by gohn w. Curs set from the old bearing tree stump t, and new bearing trees: walking bact to the $1 / 4$ corner beteveen rection'e' 20 and 29 , tue back sight on randoms west, and run East: at 106.70 , ret hub: at 856.80 e, ret hub: al 1134.608 , ret hub: at 1344.20 , set hub: at 169130 , , set tack in oak stimpir at 2000 net hub- at 2566.00 , the comer of sections 20, 21, 28, 29, 1,42, Ag. 31 ,

ats faith 3. 2 sect at this paint $u$ i notes call for past and the
following hearing trees:-


Beach oat, winch, $850^{\circ} \mathrm{w}$ rete, $(=4.42$ pl in in en 291
Winch; 4 inch, $154^{\circ}$ \& 23. le, ( $=16.18$ Pt in sec. 28 )
we.find an old stake ct by Curs for che time cornereet from the stumps of the ald hearing trees, wish new hearings Coming back to the "t comines heturen sections 20 $29-142$ R 31 -tun no 90 from random and sum norad at 15640 ft $n$, set hub at $574.80 \%$, ret hub :at 90.440 , ret haul at 1245.00 n, ret tack in poplar stump.. Tue cues coo pt steel tape and aloe transil bes. Wi miller field Engineer.
Wednesday march 24dh, 1915. Curs and miller go to max 2 depot and get aloe transit tripod which has been loskin travail from walter to Staples: Bee ur millie trenail arsed chain mike H3ucic ax and chain: Chase. Warren, armani: ans
 $21,2142, \lg 31$, where He note call for a post and the following bearing ties. Pinch 3 inch, $260^{\circ} 66$ le $(=3.96$ fth in sec. 16 )
Ooplar inch, $n 30^{\circ}$ whole,$(=6.60 \mathrm{ft}$ in rec. 17 )
Poplar 3 inch $840^{\circ}$ w eek, $(=2.64$ fain see. 20)
Poplar 3 inch $838^{\circ}$ E $3 l k 0, C=1.98^{\circ}$ fie in sec: 211
Mi find a large galvanized, iron cones (being 2. Ix xis incl, capped iron pipeuich anchor rod thu bottom) previously established by Curs, net from the ald $K$ \& he oaring trees, rit new bearing trees as followers:
no winy pine winch, $n 15^{\circ} 30^{\circ}$ w 54.96 feet (in rec 17)
To may pine: 14 inch, $A$ 63. W 4.3 .18 feet (inneec. 20 ) to head of nails driven in flat spat at base of trees: Var $9^{\circ} 6.9 \mathrm{~g}$ a mile Socchwect wheres find the crew and were come hack to the corner of sections $16,17,20,217142$, M31 and men dowel, Var. 18' E" at 268.70 ft S. et hub: at 406.50 S , act hub: at 646.30 N . net hub: at 766.308 . ret huh: at 1150.75 gfs s at hub: at 1460.55 fH s. ret hub: at 14.70 , passed 4 feet East of what appears to be a line tree, being 18 incl lack tine binged on no seasides: at 172140 , ret hill at 202.2 .60 ft. 8. set Rub, at 23341 . . an old road beans nw 186: at 2462 , set hub: at 2615.408 ret hub an highest hills: at 2775.50 , ; set hub: Ye use a 200 foot steel tape and aloe Hransil gil tor night. still at hotel chase. . Eeo w miller fielil. Engineer

March 25 th, 1915, thursday: Fair and cold, Be. W. Miller transit 8 chain: mike Bucic asst chain: chas. Warren osman: Sam Well osman (Hel leis. working for goon Buchel) we wee a 200 foot steel tape and aloe transit: From hid 2710. Yo, use continue South an random between sections

 at 4931508, set hub: at 5142.90. sect hub : at 5443.00. , ,et hub at 5522.80 A, net hub: at 5.8.89.30.8, net hub; at 5953. S, croce ald line fence which beans na 8. at 6.393 .70 , net hub at 6.760 .20 8, pet hub: at 7115.80 oud, the comer of section $20,21,28,29$ rete west al $90^{\circ}$ angle, 142.70 feet ar 7136.00 s we intersect random line from the west, 3.20 fo north and 144 . Leet Eat of corner soak angle of limesim angle reads $80^{\circ}$ quit for right Still trying at hotel cher Eeo. Wi mile, field Engineer

March 26 th，1915，Friday．Bes．Miller transit and chaiov：Mike Bucic as and chain：Chaw．Warren as：Lam wells ax： 200 ft steel tape and aloe transit．（Sam SVellsis working for and is furnished by gohw Baebel）Begin at corner to eectione 16，17，20， $21,2.142, R_{g} 31$ and hack sight lacth owrandon line，then turn $76^{\circ} 30^{\circ}$ to the Right and run Wert on Var． 310 E ：on random
 in fallen poplar：at 505.30 K ，tach in fallen poplar tree r at 1067．50 w，set hub：at 1410．50 W，net hub：at 1575．00 w，set hub． at 2003.20 W ，set hula；Were 2 discover that chainman was
holding taper wrong，making measurement at end，instead of the 200 foot macle，thus adding 50 of a foot to each chair length：Proportion，200．50 are 200.00 and 2003：20＝1995．20 set hub；at 2477.70 w，ret hub，at 2665.50 W ，set hub：at $330 \% .80$ w，set huck： 3602.60 W ，set hub：at 3721 ． 30 tack in burned stump at 4246.00 NH ：at 4435.00 W ，intersect rear conner to sections 17 ， 18，19，20，7142，Ry 31，（nato this measurement was wrong and was re－chainman later，Curds gil for night，still at hotel chare，Laid off crew to figure necessary notes．Bes．W．miller－field Eng
march 27 the 1915，Saturday：Work all day in office on notes areieted by Cure，still at hotel chare，Bes．Wi miles，field Engineer． mich 28 th，1915，Curs and miller work all day on plat of Sec．20， $7.142, \mathrm{Ag} .31$ Look up ald field notes of previous surveys and coffey ald $u$ ．S．notes，check movement plato，to．Still at hotel chase Bes．w．miller，field Engineer．
march 29th，1915．Sue are unable to get a crew，as the pau mill starts up today and my ald crew are employed－therein Jallvin传 Curd＇s insturntione，I ride awl with frank zseece to the Chare form near the $1 / 4$ corner hetrucen sectionersand 20 ， 2．142，My 31，arrive 9：20 a．m．and mitchell Elis and swale to $1 / 4$ evener between $20+29$ and check chain the whale mile East and wert，along South line of erection 20 ，hetereen erections $20 x$ 29，7．142，Ag 31．Dim．Set transib on $1 / 4$ comer hetureew sections $20 \times 2 \%$ backsight west on random line，turn telescope $54^{\circ} 30^{\prime}$ to the Right and vena new line north，var 14＇30＇6：at 164.10 set hub：Cero and leones walk out in the morning and run a compass line north $\&$ soul beteveen section $20 \times 2$ ， 2．142，R 31，and search for ald $\%$ corner betiveen cectione $20 x$ 21，where u．S．notes call for a post ard the following bearing trees． Pojelar 3 inch，$n 19^{\circ} \mathrm{W} 17$ le，$(=11.22 \mathrm{ft}$ ．in Ret 20） Poplar 3 inch，$n 89^{\circ}$ E 3．lh，$l=1.98 \mathrm{ft}$ ．in see．21）． Ar at paint on my transit line 3653 ．To feet touch of the in ono
nE corner of $x e c$ 20，and at $90^{\circ}$ angle to the traneil line an old fence corner rets Earl 283.10 get．From this fence comer an ald line of fence jeasto runs Easterly and an ald wire fence runs tach an about ${ }^{0}$ var．the the sE corner of sec．20．Do preserve this paint（which is the lsteorner）Curs and rammer cut off the corner pot of fence，drove a nail．．
in part of post left in the grand and in order to preserve this aw a reference paint，mark the following bearings：
white pine stump 36 inch， $818^{\circ} 09^{\prime} 643.85$ feet（in sec．21）
White pine stump 42 inch， $869^{\circ} 47^{\prime} W 24.30$ feet（in sec．20）
to the head of 60 d spikes driven in flat spent at base of stumper． var． $17^{\circ}$ E．In POm．Curs and Donner walk to the Chase farm where they get 7 mank Greece and uxalk to the newcomer of sec． 20 being the corner to sections $17,18,19,20$ 2．142，R．3：where U．W．notes call for a poet and the following hearing thew：
Poplar 3 inch，$n 55^{\circ}$ 8）les，（ $=4.62$ fe in sec．17）
Poplar inch，$n 43^{\circ}$ w26lth，（ $=17.16$ flee in inc． 18 ）
Poplar 3 inch＇， $825^{\circ} \mathrm{W}$ shes，$(=3.30 \mathrm{ft}$ in sec． 19 ）
Poplar 3 inch， $830^{\circ}$ E rolke，$l=6.60$ fin rec． 20 ）
On account of wood chopping and lagging operations the bearing trees at this point have been chopped down and the stake knocked dour，but on account of the old Blazed section lines ming to an intervectionat this point，Curs and greece are able to re－establiah tho true corner at the point where they remember its once having stood， at which paint they drive a 60 da pike in the ground from which the stumper which appear to have keen tho old B．J．s check out for course and mearusernent quit for night donner and Instil at hotel chase Gus boarding with Enckson．donner 1 Curs used a 75 foo metallic tape and Burley compass I use a 300 fort steed tape and ala transit Ser w．miller．Field Engineer．
mach 30th．1915：in order to rush this lurch to completion wework the crews again today ．Frank Loner and Franker Bruce inamecrext， with is 73 transit ane 200 fordstell tape．Ser．Miller and Mitchel Elis make up the other crew I use aloe transit and 300 fool steel tape． Leave hate at 7：30 a．m．and wale to＂／4 comer hetercen dec． $20 \times 29,71143$ I2 31：set transit over spike at ture＇／y comer，hack sight Weal on raudameline，turn $84^{\circ} 30^{\prime}$ 色 and rue new line March thircenter of rec． 20 ar $16410 \pi$ ，set hub：at $647.80 \pi$ ，set hut： 949.007 ，set hub：at 1174.107 ，ae hub f． at 1426.40 n，set hub：as $1747.60 \%$ ，set hut：at $1973.00 \pi$ ，set hut：at 2245.20 reel hub：al 2010．80n set hub．＇Loner and greece go to the＇s comer between sections $19 \times 20,7.112$, Ag 31 ．where Ie．S．notes call for a pool res the following 13.7 .0 lack pine 12 inch，＇$n 50^{\circ}$ \＆ 15 lk ．$(=9.90$ ft in sec 20） Poplar Singh，n38＜super＞W 10 leo．（ $=6.60$ fie．in sec．19） is this point Canty Surveyor Curs and 7 rank Breech have established the＂／4 corner from the ald B．J．S．In extablisking this corner，Breece and curs found aw iron pin paserivously vel by county， Lurncyor Canfield which checks ant with the strimpo of the old bact pere 13．J．and from the corner Aus and greece set new heaving：7nom this point pence anddlomer chain zorch along the tom line． following a line fence ：al 1320 sec spike on true line over which they ser transit，hack sight Such on＇／t comer and rum row sh intersecting the spike at nw corner of Sec． 20, and find the total
length of line 2655.90 feet：Leones sets thansil ane length of line 2654.90 feet：Nome rets transit over pike al true comer
aspenstumpl winch, $147^{\circ} 58^{\prime} \cdot 9.50$ feet in sec 20
serin stump 12 inch, $864^{\circ}$ a $7^{\prime} W 13.30$ ft in see. 19.
to nail head in flat spot at hare of stumper var s' $E$. This half mile of line jushmin, un on f' Evan. Honneraind greece the ur alk to paintonny transit line 1827 so feet south of the me comer of rec..20, where they pet a mall hub timed $90^{\circ}$ fuomithe transit lime and chain East 139.25 eek where they set a stake which they consider maybe the $1 / 16$ corner, but theyare wrong, as the $1 / s$ corner would not cone at this point gil for - night alone and Instil at hotel chase, Se w miller, field engineer - march 31 pl, 1915 , Wednesday: 2naiden to rich che wite still more,. we work 3 chive: John wouro and albert Erickson Burley compass aid 200 foot steel tape work in one crew H rank a rlonner, Fred pettchir and John moskow unonk in anthers crecy, $21+73$ transit, no chain Geol. miller, mitchell Elis and John Ne Florin make up the thiuderew, using aloe tramsil and 300 fol steel tape tael the transits and chains belong to john w euro Marble center all hubs, voe plumb tobin chainage an use have since the beginning of ewruey. Eeo. vi viler and crew bey aline 2510.80 n , arch continue north throcenter of erection 20, 2142, 1231. al $2675.80 n$, set hick: al 3030. 40N, ret hub: at 3445 State rad hears ne usu: al 3610.60 n , ct hit. al 3911.50 n pet hub: at $4342.60 \%$ ret hub: regular jungle: at $4884 \cdot 0072$ ret hub: ah 591 $3.50 n$, net heb 17 rank a.nlonner and crew. go to the $1 / 4$ coiner on west Ride of eec, on, 7142 , 231 , where an account up an true section line, aborts feet south of the lis corner: back Rept north on true line, and turns telescope so to the R and runs east tho about center of erection 20 . Te rena mile East without chaining. intersection 19.75 fest Louth of the old fence corner at the /s comer between erections $20 \alpha 21$ hlonmeri crew dill not git tarted till about q oclock ax john socbel furnished the crew and was unable to find axes. Euro and Erickern begin at the NE corner of tee. 20, 142, R31, and check chain my tuansibline south which un on variation of $18^{\circ}$ E: at a 1827 80. Si they find small hub set on true random line byolonner from which a temporary $/ 16$ corner ret by ames, bear East, $90^{\circ}$ to transit kine, 139.25 flo This is riot the true $1 /$ co corner at 3653.708 . they find hui set by han men an true random line from which nail in point of aid corner post of fence (being $1 / 4$ corner) bears East $90^{\circ}$ to transit line, 283.10 feet at 3115808 , the corner to sections $20,21,28,29,7142, R 31$, rete wee $90^{\circ}$ angle toteansil line. 142.70 feet. Gus and' Erickson then go to the "4 comer on the west side of erection 20, where they check chain the half mile of line Horde and find it correct as previcurely chained by toner and greece. Guronid Erickson use 200 foot steel tape and two heave plumbHobs, chiningiperfectry. Gur for night, curs stile bow ding rich midnight train to Glencoe, minnesota, where he is to be gone w week Bel. We railer, field engineer
April $\operatorname{lit} 19 / 3$, thursday: Curdy Seeing that it ix imparaiblo to Finish the Runny of Re $20,7,42, b, 1$ before the commipecomere meting vifich is to take piece april 6 th, rue only work one crew.

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Soteo: 327

327 CONTD
Aloctransil 300 fl stiel tape beo wi miller transit and chain mitchel sllis ar and chain: Gohn Moskow ax: walter fee ax: Fred Bettcken ax man: gohnhle Florin ap: set over hseb 5.913 .50 m , and continue norith thro center of $R e c .20$. at 615.7 .40 N , the true $1 / 4$ comer hetucen Rectione 7 and 20 ; retri Eaet 23.40 fect, $90^{\circ}$ angle to transil line 7 allourng Curax instructions 2 now proceed to comer of Rectionn $17,18,19: 20,7142, R 31$, anclmearure ä rightingle affect between comer poal and random hine, finding cami to be 14.38 feet. We the follow the wect boundary of cec 20 a guaster mile foceth to a rpike an true line, 3.20 fiet North of the $1 / 4$ corner betueen ecctions $19+20$, sel up on spike, tack right a quaster nile Loccth and chain $n 7.45$ feet to a painh 1327 . 45 feel jrorth ale which poinh 2 drivie a ppike for the true north V1, cor, bet ecee 19020, 7.142, P1, 31, over which eectrancil and again back sighb A oukt cor, tern $100^{\circ}$ to Lept and run $\in$, on raudoim thr cen'of $N$ half of sec. 20 , not chaining. Pun aboch Is of a mile ard guil for might. Lupperai hotel Chare. Curo aced o cork mearly alliniaht. on notes and calculatidne of this rurvey. There naterinav been submitted daily to Gohn w Curoand checheed auerby him bes. Wimiller



 chaining' air ucryhealwany-taking fairly longeight : Dimber heany arcil.
 juestwis which ianswer. Invw wery nearty to the $\varepsilon$ line of rec. 20 og guit for Rupper still at hotel Chare: note: ah alouk ocloch P. 2 noiced a rmale hich firce timning abaun $/ 4$ mile Nw of lime we weie sirneying: gealled mitchel sllis haek to the praneil aid painted ik auk to himi. It vas in a pait of the rection ushichs nan of my party hive twamereed today apter nupper Curo to inarfin the office on notes aid ealcilatione of this purney. Curo cuent to Sen Mile Lake aced hack today, to ascist 方: Eormanin calculatidns of subdivision of sec 36. 2141, 12 31, rignéd beo w miller.

Apnil Bur, 1915, Saturday: Fair and uindy, Beo. W. Miller trancil: In. Ellis, Ev. Fee \& *. Betcicer aymen: aloe transil: Continice $E$, on randoin thro cen' of d. half of perc. 20 and intereect $\varepsilon$ eide of eec 20 al aliow $10-30 a$ m, then walk to n, 有 6 corn, butw sec $19+20$ where' eue ret twaneil-back eight 1 , mi/4 eor'and turn to Left 10.6 .20 trinn cutting new randam thro'cei of nhalf of oecoo-not chaining. Run a few hin bred feel E, of $n$ ob cen line of rec. In eotahliohing $1 / 1$ cor bet pecx Ige 20, 7142, 3 1 , we re-trace ald line inn by Curo, cohare nates reid ar follous:
 600 stake: ar f39. croerald logroad nurdob: ah 900 stake: ar 1113 . hieb: at 200 stale: at 1290 craes abd road grade nuv886:.ab:1320 hub, templl6: at 1500 ptake: at 1593.00 hub; at 1800 otake: at 2100 etake: ak $239700 \mathrm{hub}:$ at 2400 stare: at 2597 so 7 , thi thee $1 /$ cor. lut eece $19+20$, sete Eaet 450 feet. Correcting: for gals East 0017 of a foot
 12989012 , then Easl 2:25feel where we drive a Rpike for the treve Laccth Y16 comir bel recs. $19420,7142, R 31$ signed gohn w aur." beo wimille, field engir April 4th,1915, Cacter \&unday " Backe arriues on 3. deloch marning tranirfrom Mpil' o Bormain frim Kackencack, Both all day inofgice sn nater of $36-1141, R 31$

8. Moscow, Whee axmen: 300 ft steel tape and aloe transit: Gown rachel sent 5 men to hotel chase this morning, but following Auras instructions 2 took only the three new about mentioned and told the others to return as rune did not need them. Mrs telephoned. Eochel regarding the men. Continue random East tho $n$ half ofizec 20-nol chaining: intersect East ride of sec 20 about now. Set hub an hill top about 100 fth. $\varepsilon$, of Earl boundary ofrece 20 . ate lunch here. In Prim wald to Each $1 / 6$ cor. bet. secy $20 \times 29$, where we establish the true $1 / 6$ corner as follows: Set pike on random line, turn $90^{\circ}$ and recess Louth 1.60 ft where we pet the tue $1 / 6$ corner and drive 40 d spike, and suits transit still setting an randosw spike, back eight weal ow random line and turn $84^{\prime} 25^{\prime}$ to the Right, thew transit the telescope, and my line of sight intersects 0.15 of a foot East of true $1 \%$ corner jus e set. Again hansib lilescopee aiedrun north - rot chaining: let spike on hill top about woof from transit norch and from the spike on hill top we measure west 0.15 of a foot and set spike on true randirin line aver which tue set trancil - back sight laced ow true Vs come transibtelescope aid mun north the E half of sec. 20. THu about $1 / 4$ mile and quit for upper. Curs and I spent park of night in the aggie making calculations of survey. Stull at hotel chase, signed Eeo. W. miller
april 6 th, 1915- Eeo. Miller transit: I Bettcker, g. Moakow
 and continue $\pi$, ow random: run nearly to $\pi$. side ofreec. 20 d
 continue $n$. on randoms: 2ntereect $n$. eide of sec 20 about $10-30 \mathrm{ap}$. My hub rets owned random os hill top about 250 ft $1 \cdot$ of ll side of 20 : Walt to side of rec 20 and extablink the true west "I cor. Set secs $20 \times 24$ as follacus: measured 1307.50 ft w, from '/4 con and ret hub on raudornouer which we set traneit-back sight E, on $1 / 4$ corner aud turn $90^{\circ}$ to Right and run 8.8 .00 fo and set spike for true Wet $1 / \sigma$ cor. again back sight on '/夕 cornertransit telescope and turn $86^{\circ} 45^{\prime}$ to the Pight-thew again transit tileccope ind find the line of eight cute 0.48 of a foot East of the true "! juice set: Again transit telescope and run $n$, sot phon hill tope about 200 ft $n$, from which 2 chain west 0.48 of a foot and set spike on tue random line over which 2 set transit-- back sight on true $1 / 6$ corner, then transit telescoperand rum $n$, throcen of West half of sec. 20: Kun about $1 / 2$ mile and guib for night. Euro $x$ make calculations of this ruinvey at the opfeco in the evening. Still at hotel Chase, signed Eeo. W. Riles
apprib seth. 1915. Same crew. Iv at 7:15a. M , meet crew on the rover + continue north and.interect $n$ aide of sec. 20 at about $40 . \mathrm{m}$. Tub on $n+1$ random sets aback 40 fr South of $n$ side of Sec 20.2 dischary two of the crew being 7 reed Bettckers Walter 7 Fe, Fold Gohnmokkow to leave at r. am limorvour for the work where Swill meet him and chain all unchained hines. Stele al hotel chase, euro 19
make calculations at the apfice after supper, signed Eeo w. miller april 9 th, 1415- Seo we. milles transit and chain: Yohn moskow ascaine chaiw: 300 ft stell tape aloe transil. Iv hatel at 7. am aralte to comern of ree $16,17,20,21,2142$, Re31 acheck chain weit ow randombine bet secs 7+2日rains and ve come in and 2 spend OTH al the office on plato and calculations. TBaldwins arrined from mplsian this mormingo 3. oclock train. bes w. Miller, field engir.
aprit 1oth, 1915-Same crew: Lo at ram. check chain w, on nandom bet. 17420: at 185.90 W, une find hub which has fallen domzs: at 40920 W , tacte in fallengeoplas: at 808.35 cask in fallen poplav: at 1070.30 hub : at isys $=0$ huk: at 1581. hub which has fullen: at 2486.80 hut: 2674.30 hul: 3079 State rovid $n$ \& 8: 3307.40 hub; 3605 . hubl: 4249. 20 hib sothich haw fallew: 444460 con to rece $1718,19.20$ ret $S, 14,38$ feet. Waek back over line anck ect corners an follows: tet hub on rándans 3 33.3. 45 W , where ive set tirancil aud turn $90^{\circ}$ and chain $8,10.79$ fr and act hub for tive wesill comer bet. rece $17+20,7142$, R31. Set hub on randon at 2222.30 We where tre set transil ared then $90^{\circ}$ ane nuw 8, 2.19 ft acedset hub for thene's car'bet eec $17 \times 20,7142,1$ R31. Set hech onerandors at 1111 . 15 W, where me ret transin.
 correction for this line in 0032353 of a fost fow for forch foot Wed Q correct each hut as follows: 3605 w, reto $811.66 \mathrm{fl}: 2674.30$ wig goen $85.65 f t$ :
 81.32 fe. averveach ap these corrected hubs o set a laige geerd stake marked"." Sure lind". Inow walte S on 8 . side of sec. 20 , but do not find Rommeviohub+ guit for night-Still ai chace, Kes. Wi. Milles- Engir
april 1 the,1715- Beo w. milles transik tchain: 7.er. Prettyman axtch.
 at 597.60E, hich: 896.60 hubl: at about 1100 choos nes 8 randon line: at 1611 statio Proale n48 8: 1841.50 hubl: at about 2255 crass $n 78$ rundonn: 2390.50 hub: 2803.30 hul: about 3583 chose $h+8$ rundom: 3761.50 hilh : 4281 del road 88 thul: 4500 stake
 chain 1826.85 fi S and set huh and mens 6. 141. 55 ft t set hub for true $\%$, Walk hack to hub 4500 E, and chain Enst and at 4721.00 E, the $n 1 / 6$ bet. 20721 . eete Saceth, 24.35 fect. Sill at chave. Bes w. milles, Engir.
april 12ch, 1915- Eeo w. miller of 7.w. Prettyman: Le at 7. am. We set true Souch" is comer bet secs $20 \not q 21$ ar follown : at 5384.75 fi B, on random, we run rast $90^{\circ}$ to line 70.20 fh a set hub for then 116 . Tuc chainn sash an towat " line of lece is as followe: at 133 E, ungon soad ntsi aht 22 si wride of bog: al 400 viride of bog: at 474, tack in log: N16. 40 hub; about 1223 eno ne nits random: at 1423.70 huh: about 2469 ch res 2 nt s random: 2545.60 hub . 3222. 60 hub, about 3753 criee $n+8$ random: 376. . 30 hut: 4800.50 hut: 4981.50 hel-: 5096.50 the true dowt "6.corner hetween recs $20 \times 21$ seta 2 75.05 fect at $90^{\circ}$ to thanail line: Reginning at reike 7.10 ft . Sow of the's connes bet. rece $19+20$, the chain kast: 11175 wside of bog at 455 Eside: abaukIV0 cháss nx\& randam: 1807.40 hub: 2335.50 hul . about 2343 . Croses 24 \& random: 2400 set stake + quil for right. Still at hotel chase. Ses w. millen, Enyis.

 random: 1508 . 20 hub. 1574 hub 2360 side of bog: 2470 n side $259120 \mathrm{hil}:$ about 2790 cion Ex wriandam: 2981 hub; 3352 hub: 3439 uagonroad $E x$ w : 371730 hub: 402230hibi: about 4242 crops Et random: 4651.30hub:4886.30 hick: 5626.20 hub. at 5698, 20 fin of the true week $/ 16$ corner heternen cectionarne in, rets East 46.10 feet at $90^{\circ}$ from randoms Beg at peak 2400 we chain East on center line ofrec 20: at 2664 State Road, \&Ernw: at 2979 hub 313850 hid: 3566.70 hub: about 3643 cross nt draudonuline. 4342 StateRoad wet dew 4490 hill: 4936 hub; at 5059.00 ff East the true $1 / 4$ comer bet secs 20x21, rets: north 1773 feet at $90^{\circ}$ to random: quilfor night and work at the office in evening with Cure. Soillat hotel Chase Eeo lv miller, Enigir.

April 14 th, 1915: miller + Prettyman Lo al 7 am and chain north on East $1 / 6$ - of rec 20: at 221 so hub: 965 .30 hub: about 1568 n, cries Exwinandom: 20064 hub: 2259.30 hub: 2927etate Road Ext': 2938, 30 hub; abut 3226 eves Et raudon 3268.40 hub : 3633 . 50 huck: 4278. 60 hut:; 4562 hub: about 4964 cross 84 uriandan:5133.40 hub: 5783 hub: 6303.60 hub: 6429.5 shul: at 6627.00 ft north the tune East $1 / 6$ corner bet pecs 14.20, rete west 226.20 fth ar $90^{\circ}$ to random. Girl for night, still atchare. After super Curd work in office on calculations, bes ww. Miller, Engr. april 15 th, 1915 Rain. Be w. Miller transit chain Fred Bettiker ax aud chain: 3 vol steel tape avid aloe transit Io at 7.15 we set the center of the $n 8 \% 4$ of rec $20,7142,731$ as follows: at $4951 \pi$, run w an 900
 hub flo ret hub and from the four points joel set we get the intersection in the straight lines and set hirb for temporary $1 / 6$ and set guard stake quit for night: still at chase: Curd. Barman miller work is office after supper on calculations, Eeo w Miller, Engr.,
April 1 th 1 215 - Same crew: Io establish the center of East half of sec 20 rue proceed as fallows: at $3.268: 40 \%$, ne rusurest 111 ss Th weal and set hub and al 3224 . 007 , wive run wert 110.04 fl and set hub. Shin al 35-29. 30 E, eve chain north 444 ft and set heb and at 3532:308, we rum north 14.42 find ret hub: From the fare points just set I obtain intersection of straight lines and et heb for temporary. $1 / 6$ in center of Ease half of eec 20 , and et guard stake. So set the 1/6 in center of \&f $1 / 4$ of Rec 20 , nev proceed as follows: at $160350 n$, we
 and set hub: she at 3709.208 , wen nu Noil $54.6 \%$ fhand set hub ain at 3689.90 , vive ruin 25435 fi and set hub and from the fair prints jus e set use obtain the intersection af the straight line ie - and ret hub for temporary $1 / 16$ and ret giraud stake to pet the Victornevin the center of the tach half of eec so r were proceed ar follows: at 2474 so 8 , we run north 36.45 St as d ret hub and at 248250 , inc un north 36.57 ff and ret hub: Then at 1505.2072 , we sun Eash.5.72fr and pet hub and at 1511 no forth mun East 5.74 ft and ret hub aid from th four paint just ret $s$ obtain the intersection of the straight lines and ret hub for temporary


April 17th，1917．Same crever and tools to ret the center of section 20，2，142， Y31，tue proceed as follows：at 3010.10 N ，we chain East 11.44 fo and set hub and at 3005．007，we run East 11.42 fth and set hub，then at 2333．5．50E，quern Nowt 11.90 ft and set hub and at 2330.20 E ，we run $n .11 .89$ fth and ret hub ansis from the firm paints thus obtain the trice intersection of the straight lines，$n$, Eq W，throthe center of the section，where we set a hub for the true $1 / 4$ carnex in the center of section 20 ，and ce h a guard stake．To vel the $1 / 16$ in north half of rec 20 mes begin at 456920 n and chain Each 17．36．flaind set stake，and at $4563.20 n$ ，chain Each 17.34 ft aid set hub then at 2241.608 ， chain bruch 11.57 ft and set hub and at 2.239 .00 E，chain Ranch 11.55 fr and set hick aid from the four points thus set obtain the intersection of the straight hines where e pet a hub for true $1 / 6$ in center of North half of pee 20, and ret gicard stake．To ct the $\overline{1} 6$ in center of the nuts of see 20，ire begin at 4232．607n，and chain East 34．2．4．ft and et hub and at 4241 so K，chain East 34.32 ft and rel hub：Then at 113.3 .00 Each chain bach 5.84 ff and set hub．and al 1136.40 ，chain South 5.56 gland set hut and fran the frumpointo thus set I obtain the intersection of the straight lines aced set a hut for the temporary l／， 6 and set guard take quit for night．Still，al hotel chari Res w．millie，Engineer．
Wedpril isth 1915 －pas ie crew and tools to pet the $V / 16$ in center of Wed half of rec 20 ，we begin at 2790.107 ，and chain East 2.2 .57 feet and oethub，and at $2803.30 \pi$ ，chain Each 22.68 ft and ret herb．Then at 1169.60 ，chain North 9．46．ft and et hub and at 1173.20 \＆，chain north 9．46．f．t and feet hub and from the four points there set inc obtain the intersection of the straight lines where we rel a hub for the temporaing $1 / 16$ aid set griard stake．Lo set the $1 / 6$ in the center of the swoguartes of eec 20，vie begin at $1392.60 \%$ ，and chain Sad 1127 feet and set heb：at 140110n，chain E 11.33 fl and ret huh：Then at 1232．308，chain notch 18．15fir aud ret hub and at $1235.60 \varepsilon$ chain $\pi / 8.20$ ft and set hub and frore the four points thu rec we obtain the interrectain of the straigleblines where ur et a hub for the temporary＂ 16 and set guard stake and guib for night Still ai k hotel Chase．Bes H．Miller．Engineer
april 19th；1915－sance crew and tivole：Iv at 7 am，From temporary Y＂hubin cen of \＆quarter of sec 20 ，we run Each aw true line sq．0 9 it thence North 2． 3 \＆f where w ne set stake for the the center of the so quarter．From temporary $/ 1 / 6$ hub in center of bash half of eec sour run lash 178.18 ff and set t take for the True Center of the Gash half of we．Do．．．Fromitemporary．$/ 6$ hub in cen．of $N$ G quarter of sec 20 ，chain East on tue bine 8909 fi and cell take for the 隹ue Center of the NE．guarter From temporary $/ / 6$ hic in ce i．of Rivich half of eec 20 ，we mew north． on trice line，4．7 Aft and set stake for the Juice center of the louth half of ieee 20 From temporary $1 / 6$ hub in center of sw quarter of sec 20 ，we nun torch 2.39 fhand ext ot alec for the Hue center of the sw quarter of sec 20．quit for nigh，still at Chase．Eeo．Miller，Engin 24 iron moments which babel distributes miller t Bettiker then al each stahkiohed corner ur e eh $a .21 / 4$ by 48 inch galvanized iron pipe capped anton，and with is bile in ow anchor ard kin the tottomo nearly thin full
lengch in the ground in a turo foot mound．Alongricth us，and witnessing each comer as set was mr．Dohn Eacbel，Mr．Frank Breece and Mr．Micchell Ellin，all recidents of walker，minnesota．We ret 16 comern． and quit for night，Still at chase，keo w．niller．Engi．
april 21st1915，Keo w．Miller and Jred Bettckes wids same witnecses． continue setting irow cornersin section 20,7142, R31．Each cormer we set in the same manner as descuibed yesterday．We finish at about 2．30 O．m．at each of the following yointo we perlled up the urod itakes and hubs set at paints for ture conser and set in therin places a $2.1 / 4$ by 48 inch galvanijed inow pipe as before described．
1nt：at the SW cornev of rection 20，being the corner to Recs．19，20，29，30，．1，42，R， 3,
2ud：the west $1 / 16$ cornew between sectione $20 \times 29$ ．
3nd：the $1 / 4$ corner betucen sections $20+29$ ．
4th：the East $1 / 16$ cances between sections $20 \times 29$ ．
5th：the 8．E．cornes of eec．20，being the comer to sece． $20,21,28,29,2142, \mathrm{Rg} 31$ ．
6th：the Loudd $/ 16$ comer between sece $20+21$ ．
rth：the＂ 6 cornerin center of br guarter of rec． 20 ．
8th：the $1 / 6$ cornes in center of Succh half of sec 20
9th：the $1 / 6$ cornes in ienter of SW quarter of sec． 20
10th：the Lauth＂／cormen beteveen sections $19 \times 20$
1th：the 14 eormer between rections $19 \times 20$ ．
2oh：the $\%, 6$ evrnen in center of wext half of ree． 20 ．
13 th：the Center of sec； 20 ．
14th：the $\$ 16$ in center of East haef of rec． 20 ．
15 th：the $1 / 4$ carnes between $20+21$ ．
16 th：the norold $1 / 16$ cornes between cections $20 \times 21$ ．
17 th：the $1 / 1$ iw center of $N E$ guarter of $e e c \cdot 20$ ．
18th：the $1 / 6$ in enenter of norch half of ree． 20
1ath：the $1 / 6$ in center of ruvgeranter of reec． 20
20 th：the norde $1 / 6$ corner betrucen cece $19 \times 20$
21at：the nu cor to cecsノシノ819，20，7142，a31．
22nd：tho wext $1 / 6$ betrueew cecpノフ 120
23nd：the K 4 corner between section $17 \times 20$ ．
24th：thie Eaal $1 / 6$ betcueew rections $17 \times 20$ ．
25th：tue find already etabliched a $2.1 / 4$ by 4 finch galvanized inow pine，capped on top and set newrly its fulc lingot in the goond in a＂fil mound as recordedin surven recard ho 249 of page 56 of Book＂ $3^{\circ}$＂County record boote of surveys．Beow．miller，Sties at chace．
april 2 and 1915，I epend entirs day and part of night at the office working on plat of cec 20 on which work Rwas aceicted by fohn w．Curo sotteran Still at hotel Chase．Leo w．Miller，Engr
aperil 2 3rd， 1915 ，Les w．nilles ppends entive bay and pare
of nighb ar the ofpice on plwt of ree 20．Nin which work t
vas aspisted lyy Gohn w．Curo $t$ others．Les w．mille Engir． aprib 24 th， 1915 －Ber w．miller works all day an plat and report of cec 20，1142，thange 31，on which woitr
Inai ascicted hy curo and other＇s

John boche goes act to Sec 20, 1142, K131, and heaps more earth on maunds at corner. Still at hotel chase.

Ser w. miller, Axil Engineer.
Surveyed march 22 nd 1915 to april 24 th, 1915 .
Recorded 7 ebrecury 28 th, 1917 .
Gohin w. Curs, County Surveyor. lass county. Minnesota.


2143, $\operatorname{Rg} 27$ Sectionn $13,23,24,25,26,27,28,33,34,35,36$
Field noter of the survey of $a$ wagon road to begin at the carnen to-ectione2s, $29,32,33,7143, \operatorname{Og} 27$ naid men Earh 3. $1 / 2$ miles ithence north thro the center of ace 25.424, 2 miles intcreecting the newi iltate road at the "/t eornen heticien
 the estabishment of new coviner posto ased the finding of old Wid bearing trees


 survey arid as his company ous the nod of the land the which the prippsed wo ad is to pass, he may donate some money toward the brilding of the road. The aleo ruant all comers properly located and reorded: hy way of Bemedji : NR fare thachencact to Remidji so \& Rreabfael al Remidjic $40^{\circ}$ RTP fare Bemidje th Roy Piner $90^{\circ}$ annive at Say River etation Via folly about II oćlock a.m. I find Elmer. Madson the Clert at Apoall': samp, and we walt aut to camp for dinives. In om it heing. Washingtons' birididay Fwiort in the campaffice and madsow t 2 take a load of loys to poypeivie + bising antimy autfit. Heppperand over night at canps.
7a alomer, aril Engineex

Sprice 8 inct $854^{\circ}$ \& $/ 1$ links, $(=7.26$ fi in sec. 33)
villiverinel, $n 45^{\circ}$ wig "....... ( $\equiv 10.56$ f1 in nec. 291

denice 10 inch, $n 41^{\circ} \varepsilon 17 \quad . \quad(=11.22$ ftin sec. 28$)$
find al 4 inch poat set by cun for the twe section corner. from which e
min Eush wich nmall compacs and look for the corner of rections 2.7,28.
33, 3.4, 12,43, R. 27 where U. S. notes call for porth and:

ofing the $n .8$. trice down but plainly manked $2 n$. M. 9 run a compass line fetween sees $27 \times 34$ also tetween secs $26 \times 35$ : aleo betw eecp 25 -36: T143, TR 27 aind look for the section cornere but an unable to find eame, 7 a. domner, axelt Engineer

Fib 24 th, 1915 . Continue for Apcalhl: In a.m 7rank Pruanik, alpel. tohison and f.a. Ronneir uvalt aut to the corner of sectivine $2 \geqslant 2,3,3,34$, Pi43, 论27, where $\theta$ ret $a 60$ d apike firim the NE hearing tree for the true ketion corner, with new bearing theis as fillows:


27.134, T143, R27: at 4+50 enter march: at fofl leave marsh: at 9+96.8 East, eethub: Sinner at camp. In O.M. we continue East : at 1200 fr 8 , enter sump: at $16+5.9$ East, set hub: at $18+25 \operatorname{lv}$ swamps: at $22+49.7$ set hub: at 2700 feet cast enter meadow: at $27+80.8$ set hue: at $34+35$ E, leave meadow: Geist foo supper aced over night at camp. 7. A. ilonner-asit Feb. 25 th. 1915-Continue for opal. Ina. M. Ne continue East and at $41+36.15$ E, et hub; at $47+61$ E, set hub: quit for noon and get dinner at Ereeni's caring. In POm. we castime East: at 5300 pi east we look fou the comer of sections $26,27,34,35, ワ 143$, PR 7 , where U. S. note. cull for yest and:
Samurai 12 inch, $840^{\circ} \mathrm{W} 14$. Shes, $(=9.24$ firinsec 34)
Damarac 6 inch, $813^{\circ} \varepsilon 13$ lh, $(=8.58 \mathrm{fl}$ in sec 35)
Lamiarac finch, $n 11^{\circ} \mathrm{W} 15$ lh, $L=9.90$ f li in see. 27)
Lamarac 6 inch, $469^{\circ} E / \prime$ eke, $l=7.25$ fl in see. 26 J
2 find the HE, and nu w and $N E$ ald bearing trees from which I set a $4 \times 4 \times 24$ inch cedar huh, 12 inches' in the ground for the true section equer. at $53+59$. so Ease, the true conner to ese 26,27 , 34, 35 , rets Louth 75.10 feet, aver which e re trancil and un Rash an $10^{\circ} 30^{\prime}$ variation East ( $\left.1489^{\circ} 58^{\prime} \&\right)$ beterveen sections $26+35$; we rus about 600 fth East and guib for night. over night at Hudson's camp, 7.a. Alonner, aet. Engir.

Fet.26th,1915-Continue for Copeahl: continue East and ar 13+27 set hub: at $23+56.8$ set hub; at $31+41.7$ set hub; at $38 \times 35.1$ set hub: tue run to abort 5000 feet Ease and quil for night. Still at camp, 7 a. Alonner- Eng Feb.27th.1915-Continue for Cepalil: The continue East and at 5300 fr e East look for the conner to sections $25,26,35,36,7143,1227$, where. u.S. notes call far post and:
spruce 10 cinch, \& $55^{\circ}$ W 50 oke, $l=33.00$ fin sec. 35$)$
Fir binch, $n 6^{\circ} W 10$ le, $l=6.60$ fa inced. 26
Fir birch, $884^{\circ} \&$ G le, $C=5.94$ fth. in ce. 361
Fin 5 inch $\mu 38^{\circ}$ \& 14 le, $(=9.24 f 6$ in sec. 25)
As we find nothing we continue East; at 55+6.2 eethub. at $67+17.6$ eethub: at $73^{*} 93.6 \mathrm{kel}$ heck and leal dinnuvin evoods: at $80+44.2$ eve look for the $1 / 4$ corner between sections $25 \times 36$, where U.S. notes call for post and:
Elm 10 inch, $\pi 6^{\circ} w 14$ les, $l=9.24 \mathrm{Htin}$ see 25)
Birch 6 inch, I $66^{\circ} \mathrm{W} 13 \mathrm{lks},(=8.58 \mathrm{fl}$ in sec. 36)
Q find the sw tree, down but plainly marked from which 9 et a bod
spike for the true $1 / 4$ equer between sections $25+36,9143, \mathrm{Mg} 21$, with new hearings as follows:
Birch 8 inch, it $69^{\circ} 35^{\prime}$ W 15.80 fth inseec 25 .
Finch 16 inch, $850^{\circ} 15^{\prime}$ \& 55.05 fl in sec. in 6.
White pine stump 10 inch. $\sim 51^{\circ} \& 52.35 \mathrm{fh}$ in sec. 25 .
Var reads $9^{\circ} 54^{\prime} 8$. at 8137.70 ft East the $/ 4$ cor between secs 25 k 36 sett- north 132.60 fth. 3 ginning ar $/ 4$ between $25 \times 36$, rum Sask on $10^{\circ} 45^{\prime}\left(\pi 89^{\circ} 58^{\prime} \mathrm{C}\right)$ at $9+78.70$ set hub and grit for night Over night at camp. FAa. alonner, thansitmass. Feb. 28xh, 1915-Continue for apsakl. Warm and fleas, the.
continue East between sections $25+36$ : at 13+13 set hub: at $26+46.8$ set hub: We look far the S.E.comen of sec. 25, T143, K. 27, where U. S. notes call for post and: Fir 10 inch, $838^{\circ} \mathrm{E} 21$ links, $(=13.86 \mathrm{fl})$
Fir singh, $\sim 40^{\circ}$ E 3 3 link, $(=21.78 \mathrm{ft}$. $)$
Birch 8 inch, $878^{\circ}$ W9 links, $L=5.94 \mathrm{ft}$
Birch 10 inch, $n 59^{\circ}$ Wis lees. $L=8.58 \mathrm{ft} 1$
Hue are unable to find anything and quit for hinder. Dinner in the woods. Beginning at the $1 / 4$ corner hetcueensece $25+36, ~ \ 143,112 \geqslant$ we rn North on $9^{\circ}$ var $\varepsilon$ : at $7+85.2$ set hub: at $16+47.6 \pi$ rel hub:


March Isth, 1915 -Continue for opeahl: Continue north thess sec $25:$ at $41+30.7 \mathrm{~N}$, sit heb: at $5300 \mathrm{fr} \mathrm{n}_{0}$ th we look for the $1 / 4$ corner between sec $24+25, T 143$, P2 , where U. S. note call for a poon and hearing treen. as fallucus': Fir 16 inch, of $55^{\circ} \mathrm{W}, 16$ les, $(10.56$ f( in eec 25) Maple 15 inch, $\because 28^{\circ} \mathrm{W} 37$ les, $l^{\prime}=24.42$ ft in lee. 24)
Tue are unable to find anything and continue transit line North.
at 56+3.1 set huh: at 58 +26.5 set hub. dinnerin woods: at $63+26.4$ set heel: at $68+41.2$ set hub: at $71+11.4$ sell heb at $78+19.5$ set hub: and quit for night. Aver night at camp. 7. A. Honer, Engineer.

March ind, 1915-Continue for Apsakl: Cantinice north tho seic.24: at $87+24.7$ ser hub: $89+93.2$ pet hub. dinner in woods: at $93+78.9$ set hub: at $99+7.3$ set hub: at 10691.40 feet norge the $1 / 4$ comer beteveen sections $13+24, T 143, \operatorname{Rg} 27$, sets west 43.00 feet. At this paint 4.8 notes call fora post and the following hearing trees.
Balmbilead Finch, \& $35^{\circ} \mathrm{E}, 8$ les. ( $=5.28 \mathrm{ft} \mathrm{in}$ eec 24)
7 is 5 inch, $n 4^{\circ}$ E 7 hinke, $(=4.62$ fr in sect 1 )
This corner has been pct by ftate Engineer and to it 2 find a 6 inge aspen bearing tree, with nail in, which he are north $3^{\circ} 5^{\prime} \mathrm{W}, 39.60$ feel in section $13^{\circ}$. Var $9^{\circ} 30^{\prime}$ E. quit for night: Still Staying at camp.
7. A. Manner Engineer.

March 3rd, 1915. Cloudy: Continue for Appall. Correcting back an rand on line fectreen sections $25 \neq 36:$ and betrucew sections $26+35,7143,7 \ln 27$. Nub at 5376.6 E, goes North 87.58 feet, where I set a $4 \times 4 \times 36$ inch oak post, ane foot in the growing for a temporary corner to secs $25,26,35,36 \mathrm{~T} 143, \mathrm{R}_{2} 7$, with new bearings as follows: Balm gilead 3 inch, $862^{\circ} 28^{\prime} \mathrm{E}$, 1 ar $9^{\circ} 30^{\prime}$ Starting from thills corner of run touch var $9^{\circ} 20^{\prime} \varepsilon$ : 'at $2+90.8$ set hub dinner in woods: af $18+63.38$, sethub: at $25+25$. enter cedar sump at $25+44.98$, set hub and quit for night. Ares night at swamp
F. a: Honer, Engineer. F. a: Honer, Engineer
march 4 th, 1915, Clear day: Continue for apseahl: Continue Rich on randan transit hive hetiveen secs $35 \times 36,7143,727:$ ait $26+40$ un, look for the'/4corner between sections $35 \times 36$, where 4 . S. notes call for post and bearing tree er as follanvo:
Cedar 6 inch, East 10 links, $(=6.60$ ft in sec 36)
Cedar 6 inch, \& $66^{\circ} W_{1 / 2}$ hes, $(=7.92 \mathrm{ft}$ in sec 35)
find the Earp tree, standing, and plainly marked from which 2 set $4 \times 4 \times 36$ inch cedar posh for the turel/4 corner hetiveen secs 35 - 36.

continue S with with randominline; at 3100 leave cellar civampriat $33 \times 64.2 \mathrm{~S}$, Net hub: at 29+13.6 set hub-dimnerim woods, at $45+90$ a 8 out hut: at 5200 use lade for the coven to recess $1+2, T 142, R_{y} 27$, hing the canner to sections $35+36$, T, 3 , Re 27 , whim u senates call for a pant and the following bearing thees:
Bind 8 inch, $851^{\circ}$ wislinke, $(=25.14$ th in rec 2$)$
Fin 8 inch, $n 13^{\circ}$ Wish hinter, ( $515 .(8$ foin rec e3.5)
Fir 6 inch, $n 32^{\circ}$ 8. 24 linter, ( 15.54 th in sec 36)
Maple le inch, $552^{\circ}$ \& 18 link, $t=11.58$ fa in eec I)
Whee five the ne aud sw heaving trees standing ane plainly marked form Which oct $4 \times 4 \times 48$ inch rear post 12 inches in the growl for the true corner to sections 1,2,35 and 36 between Sup 142, and 143 ne, Range 22 w at 5197.10 feet louth, this corner ceto west 87 . le oft Going to a point in the county no ad (Easkend of graded road) mar thil/4 conner hitmencections 28x 33, T143, Rg27, mintruncir line East and quit for night. Aver night at apsahli Red Rene Lumber lo camp No l near center of section 22, T143, Ry 27. 7 a neomnir Engineer. Warch:5th, 1915-Continue for peal, dowdy and snowy Continue East on transit line betevien $28+33$, bo the corner of sections $27,28,33,34, T 143, R_{2} 27$, then walk to Bay River to meet Curs who arrives from Bemidjinandecino It evalte au t to camp for dinner. In Pom. we he gin at my temporary comer to pections 25,26,35536, where use tart puranito and go hin oo no no , cutter
picket line north between erections 25 and 26 , while curs and 2 walk to the lu p corner between rectiono 24 and 20 . quit for night. lull at apeahti camp... 7 a. Homer, Engineer
March thills clear day Continue for Qpeahl In a m the creurcontinue line north between sections 25 and 2.6 while Gro and 9 walk to the $1 / 4$ Corner between sections 24 and 20, T143, Ag 2 7 , where U. S notes call for a phesaied the flowing beaning trees:
Maple 15 inch, $n 28$ : U 3 links, $(=24242$ feet in eec 243$)$ Maple 15 inch, $n 28^{\circ}$ w 37 links, $(=2424$ feet in eec 24$)$
Fin 16 inch, $\$ 55^{\circ} \mathrm{W} 16$ link e $(10.56$ fuhin pec 25$)$ We find the maple standing green and plainly marked and the rattenstump of the Fir from which rue ret the hue $1 / 4$ comer by flat chain from face of old hearing thees there we ret a $4 \times 4 \times 36$ inch
 The following new bearing trees:
white fine, 12 inch, $838^{\circ} \mathrm{W} 54.10$ feet
Birch thick, $559^{\circ}$ E 34.30 ft. Var $9^{\circ}$ E ar a painting aus transit line 5362:70 pt north of $1 / 1 /$ between secs 25736 , the $1 / 4$ between see 24 and 25 , rete East 88.80 feet, correcting the $n+8$ randarin line time Enter of rec 24 at $6644.88 \pi$, ( -1332.18 feet inn rec 241 we chain East 5.5.85.fut and set tall stake braced, "nil marked, "true $x$, and I. center' line-- Road center"" "temporary ${ }^{\prime \prime} 6_{6}$ " at 8027.06 north $(\equiv 2664.36$ ft Min sec 24) we chain East. 22.90 feet where, we set tall stake "marked" "true $n \neq 1$ center line"" Road center" "temporary center": at $9359.34 n,(=3996.54 \mathrm{fth}$ north in sec 24$)$ we chain west 0.05 feet where we set teal stake, braced and marked: "True nos center line" "Road Center" "temperany "6", ar 106.91.40 $n,(=532870$ ptrin in eec 24$)$

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the 1/4 corner betweensecs 3 and 24 , sets west 43 .feet, dinner at camp no 3 . An pin. ironer and Pirenile correct the $n+8$ center line of dec 25 , as followin: ail 5362.30 N . the $1 / 4$ corner rete East 88 so feet at 4022.01 we chain East 66.60 Ph and ret tall stake marked "Jempi/i6-turenqscenterline-Noad Center" at 2681. 24 $n$, que chain Each 44.40 leer aired se b tall stake marked" Resp Center alee 2s-7 Val. center-true $n$ \& S center line". ar $1340.67 n$, were chain Ease 22.20 feel ariel:
 the tiv Gohmsons hegin at the corner af an ald camp, being the assumed comer to sics 23,24, 25, 26, T143, D27, and chain switch avior cut acct picket lime: at 26408 , cue look for the $1 / 4$ corner between sees. 25 and 26, where $H$ \& nates call for a paskared the fallowing hearing trees:
Aspen winch, $n 55^{\circ} \omega 8$ les, $(=5.28$ ff in eec 2 col
Birch 10 inch, $40^{\circ}$ Es ike, $(=3$ ugh in sec 25)
all are gone and use continue south: at 5041.200 intersect etake $0.0 . b$ ing the temporary conner to sections $25,26,35,36$, previously ret by tanner. The true corner sets such 37. feet and west 24.40 feel. as this point $u$. S. rates. call for posh and fallowing hearing trees:
Spruce 10 inch, $85^{\circ} \mathrm{W} 50$ links, $(=3300 \mathrm{ft}$ in sec 35)
Dir 6 inch, $26^{\circ} w, 10$ le, $(=6.60$ fth in eec 26$)$
Fin inch, $834^{\circ} \mathrm{C}$ ales, $(=594$ fr in se 36$)$ Fir 5 inch, $n 38^{\circ} \mathrm{E} 14$ le, $(=9.24 \mathrm{ft}$ in sec 25)
Unrefined aw ald $5 \times 5$ inch dead pounce tree squared up an facer Rides, wiry ald ard firokewower, ibo the remains of the ald stake and also the or hearing tree dour and act by the soto, faintly marked aid also rootijihieh rue hiliene to be the remains oftle ald fearing trees and from these we ret a $3 \times 3 \times 48$ inch joel for the true corner al a pain i where ur find the gain of the old stake, which ins against the Sc side of the ald squared up tree aud check e up ivith the remains of the ald hearing trees as above mentioned and mark new trees, being White pine stump 40 inch, $8240^{\circ} 30^{\prime}$ \& 30.90 finch in sec 36. white pine stump 40 inch, \& $49^{\circ} v \sigma 600$ feet in see. 36
to rail driven in flab spots, var $9^{\circ}$ E. Correcting the west half mile hetureen recce 25 aide $36, T 143$, Rp?: At a point on aus random line 6745.15 Eat inc chain north. 91.65 fief where we set a $4 \times 4 \times 48$ inch ptafee for the true weal $1 / 6$ coiner beterren. section 25 and 36 with new bearingttrees, being:
White pine stumps. ' 4 incl $d 31^{\circ} 30^{\prime}$ \& 43.10 feet:
aspen singh, $x 56^{\circ}$ E 9 feet, at $9^{\circ}$ Var.
To correct the mile between secs 2 band 35: at 53.52.60. East, the true corner. to sec $25,26,35,36$, sets north 50.70 fit: at 4014.45 , we chain north 38.02 felt and set a $4 \times 4 \times 48$ inch poop for the there East $/ 16$ corner heteven section 26 and 35 , mich prow hearing tres; being:
Took af burned white pine otimpi 30 inch, bears $37^{\circ} 30^{\prime}$ \& 42 .fl:
white pine stub 20 inch, $n 49^{\circ}$ \& 31 so feet:
quit bor might and otway at Apsathes campo-Gonw Whoro ainidi 7 . a Honer. Engineoner. March 7 th 1915 - Curs and Nemoneristill connecting line: 141338.15 Each wee Chain torch 12.76 feet where sue set $4 \times 4 \times 48$ inch aspen pares for the trine. Wear $1 / 16$ corner hetureew erections 26 and 35,7143 , p 2 , mailed to a 3 inch
aspens which stands a foot $n$ ．E．：at 2676 ． 30 ft East，uni North 25.35 feet and set truce $1 / 4$ connenbetwresn Sections $26+35, T, 43, R 27$ ，with new bearing trees as follower：
white pine stump 40 inch，$\$ 41^{\circ}$ E 85.08 feet：
White pine stump 40 inch， $860^{\circ} \mathrm{W} 42.20$ feet．Var $9^{\circ} \mathrm{E}$ ．
Correctinghine betciecw ecctions $35+36$ ．Tups143，X27：at a pain h aw our rundasm line at 1394．40 acth，we chacio west 30．05 feet where we set the twee north $\% 6$ corner between sections $35+36$ ． 12 ace e nail to post：at 3976.80 ，w re chain west 59.60 feet where we eec．tho tue \＆ouch $\% 6$ corner fetches sections 35836 ，wick new hearing trees，being：Cedar 7 incl， $856^{\circ} \mathrm{W} 5.90$ feet：

ar 5201．S0，the true evinces to sections 3．5，36，land 2．Heteveen townships 142 and 143，Mange 27 ，sets west 83.50 feel at this point．We find the NEand SW old u．S．hearing trees，standing． plainly marked from which wu net the trice cover by proportionate meaxurencnt $\operatorname{Var} 8^{\circ} \mathrm{E}$ ．The distance fetincen there trees by way of courser，in 39.40 K. ．chain，and equals 42.00 feet my chain we mark new hearing trees as falloure：

Birch 15 inch，$\delta 76^{\circ} \& 15$ ．30 feet in sec $/$ Var $9^{\circ}$－dinner inc wood． Frank Pursuit workers in PM．Correcting lime hetereen z hand 34， at 5359.50 Earl，the courier to eves $26,27,34,35$ ，ceto touch 75．10 feet．at $4019.85 \varepsilon$ ，un chaise 56.32 feet Swath and set East $1 / 6$ corner betcucen sections 2 9 and 34 ．at 2699.90 ，chain tach． 37.55 feet and eec $1 / 4$ corner hetcucen ce 27834 ，with new bearings as folluccs：
Tammarac stump 10 inch，$\$ 56^{\circ}$ E 61. so feel：
read white pine snag， 12 inch，$\lambda 35^{\circ} \mathrm{E} 97.30$ feel：Var $9^{\circ} \mathcal{E}$ ．
 corner heturen sections 27 and 34 ．all are $3 \times 3 \times 50$ incl cedar poets，braced．Beginning at a point 76.90 fl ioctl of corner to section $27,28,33,34 \mathrm{~T} 143, \operatorname{Tg} 2 \mathrm{n}$ ，chain west 2648 ．feet to the $1 / 4$ corner beteveciv sections $28+3$ 3．When work trancib an line and set stake at 1324.00 wee where we set compass and ruse North 38.50 feet and set a $3 \times 3 \times 48$ inch cedar post for the East $1 / 6$ comer between sections $28+33,7143,1227$ ．Nail braces to poet．Mote：the： post is 0.30 of a foot too for north，as wu thavere－chacined and find that wee really－etarted 76.30 fe ．South of the earner af elections 27， 2833,34 instead of 76.90 ，a0gines above．at the $1 / 4$ corner hitiveen picture $28+33$ ，the $/ 4$ post established by $\$ 1$. Dod，call for new hearing trees as follows：
Inmasar retch， 10 inch， $261^{\circ} 45$＇ $\mathrm{H}, 45.60$ feet．
Trnwarac stich， ovinch，$x 6^{\circ} 26^{\prime}$ W， 52.90 feet．
wu find that the furthest wert stub has been grubbed out，bur Tho Easterly ane stands jolainly marked and as a evrdurory road hap been friilet and the stake careered ugh in the ins and knar，ames as．Iodds notes do nil par al what：

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variation he assumed as a meridcian, pue set the stake at $8^{\circ} 3^{\prime \prime}$ variation. but anly set a temporary eedar pash in the suow, in the center of the Eact $t$ west cordiving road . Wi inill dig riji Hodd's true $1 / 4$ posh and set iron, next Spring. quit for niglet. Anes night at camps:
H. A. alonner, Engineer.

March 8th 1915-Continne for g. G. Aprahl. In a.M. ve carrysurveg taols to Bay River and uork all C.m. an voriting field note. Lhinnes at ber Blandon. $70^{4}$ paid hy Curo.. Catck 3.23 pm. Train to Bencidji JR2 fare $90^{\circ}+90^{\circ}$ paid hy Curo. Supperat Markham hotel $\$ 100$ puid by Curs. Curs and of tuke 11.05 train to wallev. 7. a. deomer-Engrincer.

Survey made febrecany 2 2nd 1915 to march 8 th 1915. Recorded 7 ebruciny 28 th 1917 .

Care Cacenty, Minmesota.


T140. Reg31
Sectionu $16,17,18,19,20,21,28,29$
Field notix of the surney and lotablichmeal of new conners and the seavch for ald U S hearing trees and the eitabliahmesk of new eqmers and heaninag treesin, sections in Sectiono $16,17,18,19,20,21,28 \% 27$, Lownship, 140 in, Range 31 W, 5th PM:
 Ih 2nd, 1915 - narbert o Sorman, Engineer, using tiansil and steel tape any unvey tools helonging to John W. Evro and working for thinam Zownahip Curo

 to Victor martinís place in Lec $14, T / 40, T g y 3 \%$ Theel Victor an ice wiech load of tier I wark in $P$. checking ips field notes and stay over night waith Thastinn $n$ iormawingineer.

Ieh Ind.1915-Wednesday- is establiah the"/4 corner hetween sections 16 and

 point U..S. sates call for Meacider Corner No 26 thing a pool 50 links $=33: 001$ Souch wich the following bearing tweces:
Sprucc gine 6 inch $n 20^{\circ} \varepsilon 10$ hinks $(=6.6$ of 1 in sec 16$)$
ale appear to he gane and ue ualth hack to thenchardi for dincen where ure iathinh hrought by martin Victor Martin, Slmer Jeanchaid aced n . No. Sormain go to the irow corner to rections $8,9,16,17, T 140$, R 31 previoucly ectablished. by gohw wewo. Cokurveyor, where rue jelace a flag, then weth teansil $1 / 2$.
 ame ice over Sen Mile Lake and set stakis encry zoo feeh (using 300 fo stiel topz)

 and new Eurley truncib in goved adjustment. N. Bormax, Engineer. Feb ith iars d leave Spain's hefore Treatefask. Curo and Jualk acroes Birch Sake to martins whire oger breatagh. Curs vent to antonsinnibergis to corner beteven rectiond $16 \times 21,7140, R$ 31, where U. U. note call for poch ared hearing trees as follows: White pine 16 inch, whe 1550 linke $L=1023.00$ feel)
Unifind the stumpi of the ald heaning tice, als the inon 14 cornes previcusly iectablished by Cainty Sinveiou Curs eet by proportionate mencurement Enst $x$ west for the tive $/ 1 /$ cornier hetiven rectivicela and 2 , He place transit ance thi center afthe ald U. S. beariing tree stimp, hack pight Eush oni irs '/4 corner and mun west, chaining from heart of stemp: Var $10^{\circ} 30^{\prime}$ E: Blanchard asman, Martin t Earman chaining Gorinan trancitmani setting staked every 300 feet: ar 1389.8 s's set hub: af 1950.00 W , eet hub: an 1617 , feet west, eet trub for temporany cornery to促etcons $16,17,20 \not 21$ where $u$. S notescill for a poot and the fallouiong beaving trees:

White pine 14 inch, $S 68^{\circ}$ E 100 le $L=6600$ for in sec 21 white pine 18 inch, $n 41^{\circ} W 112$ ltd $l=73.92$ ft in eec 171 Norway pine 16 inch, $\pi 76^{\circ} \mathrm{E} 142 l \mathrm{~s}$ ( $=93.72 \mathrm{fi}$ in sec 16 ) Tue fined nothing and continue west: at 4: 30 m. enow hlouring makes transit vols uncertain and we quit for right. Byron hreefettern worker $1 / 2$ day in Pm. N nt Eoman-Engineer.

Feb 5 th 1915- Blanchard and Sreefettern did nut shournp. Martin and barman continue weetin hewwip fruech-slow- progress: : ar 1800 Retake: at 2100 w ret stake: at 2400 Ret stake: al 2700 stake: at 2000 etake: at 3012.90 feet West set hub: at 3300 Ret stake: at $3600 \times 4200$ feer weal set stakes: at 4.241 .82 feel west look for the 44 corner
 and the fallowing bearing trees:
aspen finch, north, 10 linked $=6.60 \mathrm{ff}$ in eec 11) Spurice pine 6 inch, Louth 4 le, $(=2.64 \mathrm{fl}$ in see 20$)$ Hue find an ald stakently someone, near the point, hut as there are no B. Ti. to check with stake we helene it is wrong and continue west: at 4250 . 00 fo weir rel huh: at 4500 set stake: Sur bruch week till 4.20 P. m , then go to Blawchards to get fuel eutterie and quit for night. N. IO. Sorman, Engineer.

Feb 6 th, 1915. B. Sreefettern, T. Blanchard as men: V Martin and 11.10. Bornean chaining. Sormaw transl. Continue Weal: at 4800, eel stake: 5100 ser stake: 5400 ect stake: at 5573.40flwesk pet hub: at 6000 set stake: at 6300 set stake: at 6900 ret stake: al 6998.50 for, nee hub: From hub 6948.50 grum a picket line of pal etakea Enact 161.00 feet: at 1617.00 feet added to 5249.64 feel equable 1866.64 feel week, eel temporary corner to recteina17,18,19.20. 1140,1131 . The true corner sets 115.26 feed wear and 23 . feet touch ar at 6981.90 fo west, the. corner recto Louth 23.00 feet. At the point U. S. notes call for a pose and the fallacving bearing trees:
lead Pine 12 inch, $n 51^{\circ}$ \& 85 lee, $C=56.10$ ft in Rec is plead Pine 1 Pinch, $8>0 \mathrm{~W} 4$ ท -let, $(=31.02$ fo in sec 19$)$ Prise 3 inch, $n 14^{\circ}$ W 32 ka, $L=21.12$ flee in sec 181 Aspen 3 inch, $842^{\circ} \varepsilon 65$ les, $(=42.90$ fl. in eec 20 ) We find a state eek fou corner to Rectidnx 13,18,18, 20, T1,40, K 3 , from which of cut ant road leads weal and avothér Sack que also find an old sting uhticl munthawe hen due of the bearing trees and which checks auk fairly well for courec aud distance evict the stake. We accept this stake as the true pecten. corner and mark new hearing trees ar follows-: Var $10^{\circ} 30^{\prime} \mathrm{E}$.
Sack pine 12 inch $n 53^{\circ} 43^{\prime} \mathrm{W}$ 3 $\$$. 20 feet in sec 18.
gachpine 6 inch $\$ 31^{\circ} 18^{\prime} W$ W 38.80 feet in rec 19 .
Jack paine. 10 inch $152^{\circ} 19^{\prime} \mathrm{E} 68.50$ feet in eec 20.
to spike in flak speak in face of trees. Wu walls to a point near $1 / 4$ corner between erections $16 \& 17$, arsed continue ours trenail lino. Sacco: uar reade 9015'\&: at 3000 fi South leave ter Mile Lake and quit for night. Supper wick martin and are er night in Hackemaach which Stains. n. S. Eoman- Engineer

Feb．Th，1915－Sunday＝Curs and I write field notes till 1－30 PM ms an ow staying with Spain，supper wick Spain．I get some sod spikes from Gus aired walk bact to martins：N．S．Socman，Engineer．

Feb．Fth，1915，martin and 2 go to week eide of $16,7140,711$ and continue chaining＇bach with Blanchard．and Ireefettern cutting：We ret．
 tue set hick and at this pain the variation changes to 90\＆：al
 feer to the East of temporary huh：Te are unable to locate any of the fold Bis pocantinuce tact h aid quit for night．IN．I．Bowman，Engineer

Feb 9th，1915，Sane crew continue＇such al 5400 ell stake：at 5489.20 fr 8, eel hub：at 5700 stake：at 6000 stake：at 6300 stake：at 6437.30 S ， set huh：at 6600 Ret hut at 6900 retake：at 7200 stake：at 7500 stake ：at 7800 etake：at 7887.00 feet Louth un e blaze eide of ald pine wind fall and mark it＇ 7887.00 ．We lo of for the $/ 4$ corner hetruecw erections $20 \times 21$ ， where U．S．notes call fora pact witt fearing trees ap follows： White pine 20 inch，East 40 lees $(=26.40$ for in sec 211 Oak 6 inch， $841^{\circ} w 19$ les，$(=12.54$ fl．in sec． 20 ）
un e find an ald Gat stump torn loose from its roots and lying an the ground，this appears to have been blazeil，but all evidence of the pine tree is gone，and use continue South，retting stakes every 300 feet：me strike hexuy pine timber and send three men cutting． Gil for might，$n$ ．N．Bowman，Engineer．

Fib．，och，1915，Start w．Blanchard and Ireefetern cutting on line Louth，and \＆go to see Eeo．Pabineors about cowmen post to sections 20，21，28，2：9， $7,40, X 30$ ．Rabicuean goes vittle us and vie locate post in tamarac sun ap，eel Ky Surveyor trallett： Victor Martin and d then go back and continue aus line touch setting stakes every 300 feer and hub ab 8398.00 Tue enter swamp at 10200：as 10250sser huh from which o mum a line af pickets along randan line．Harold from hub 10750．Ar the forint being the corner to sections $20,21,25,28,7140,7,31,2$. ．notes call fora pos l and hearing trees as follows：
React pine 2 inch，\＆ $26^{\circ}$ E 26 lees．（ $=17.16$ fl in eec 28 ）
Blats pine 12 inch，$\pi 24^{\circ}$ \＆ 33 lees，$(=21.78$ fin sec 21
Black pine 8 inch．$n ~ 4^{\circ} \mathrm{W} 21 \mathrm{lks},(=13.86 \mathrm{ft}$ in eec 20）
Black pine 4 inch， $881^{\circ} w 46 \mathrm{lk},(=30.36 \mathrm{ft}$ in $\sec 29)$ Hue find the stake and pome new bearing trees which stand as follows．
tamarac 20 inch，\＆ $3^{\circ} 21^{\prime}$＇ 16.60 feet in sec 25 ． Lamarac． 16 inch， $113^{\circ} 20^{\prime}$ E $21.90^{\text {f feet in sec } 21 . .}$
Lead R年urer 10 inch，$\pi 46^{\circ} 2 ク^{\prime} W / 2.85$ feet in sec 20 ．I blaze the above trees and use the new hearings．The ald $U$ ．S．tree in eec． 24 is gone at a paint on aus transit line 10745.75 feet faith，the corner just established sets west 90.35 feet．quit for night，$N .0$ ．Bowman，Engineer

Feb． 11 th，1915，Victor Martin，Loose 7 Blanchard and Losmans work． Correctinghack：at corner to pecs $16,17,20,21$ ，at a point 5303.57 Louth，where $n, \&, E+w$ random hines intersect，2chain south 69 ． 30 feet to aping．5372．87 feet South，and correcting fact of East and twerk
random hine 6866.64 ft west af 137 stump, the corner to cectione 19,18,19. 20 petriweal 115.15 fh to 6981 s9wes. bocing a mile Eask to fuch 1617 Werk of 137 etumpe, thi cornen to ecetione $16,17,20,21$ seta weot 27,12 feet to 1644,2 fi west or 168 . 35 fect weot of $n$ of randam line at 69.30
 So, 21 2140, 131 whire 2 drive 80 d pike and make the following 13. 7is.
 Pive etump 36 inch, $24^{\circ} 36^{\circ} 1689.00$ fl in ver 20
Itarting at the $1 / 4$ eorner between eectivno; 15 aced 16 , set by Iodd, Irun a random hime wext ther seo. 16 , asd chain over cut awt line, retting stabe every 300 feet aiel hieb as followe: at 751 w, set heib: at 1622 fl w, set hub: at 2640 fl W ret hiib: at 3765.90 fk weet sethub, at 4150.90 set hert at
 hub aied leame lake: Guis fov miglit and rialk acioxe. Birch dake to cer Cur ahacit field notev and reteven the eanue night. M N B B inew, Engineer:

Fed. 12 th, 1915, Victor Nartiw, E. Blanchard and N. Al Borman working: we go to Temporary. 4 poel het. ées. 20 o 21 ared correct hack... 7romwaheh at 7883.00 fl louch wie chacin Lwich 172.30 feet an ravdomeline to 8059.30 fl Lucth uuk eet hubauer which $2 p l a c e$ tuangil, tum $90^{\circ}$ and run wext. 129.35 feeh where $\mathcal{A}$ ret tho true $1 / 4$ corner Feticen eece $20 \times 21,2140,1<31$, wich new hearing: treex as fallvur:
Norvay pence 12 inct, $n 33^{\circ} 42^{\prime}$ W, 54080 feet.
Gack pine binch, \& $22^{\circ} 03^{\prime} H 29.40$ feeh, ak $9015^{\circ}$ zer.
Idrure so d epieter in the grannd for thio $1 / 4$ earner. Correcting back on Lacech bine of bec:n to eet the $1 / 4$ evncer beteveen $19 \times 20$, fron hieb at 4257 feeh wesh if ald 13 setemp eclexim weah 55.9 offect - aid pet hub arier which leet traneil ans riw focch 46.15 fiest whire 9 pet an fod epike for the true $/ 4$ cornei heturun pece/ré 2o, rivich new hearinge as fallorie: white pine 12 inch, $83^{\circ} 6^{\circ} \varepsilon 15$. 40 feet: Qak eturipp 14 inch, $\$ 82^{\circ} 43^{\prime} w 27.60$ feet.
n. Al Eoman, Eigineer.

 2noo ft Louth, wie chaciv 13.51 feel Larth to ta 2686.43 ft \&aceth, then ricn wert s4.17 feeh at $90^{\circ}$ angle and set $80 \frac{d}{}$ pike far the
 variation $\varepsilon$. Birch 12 inch, $1148^{\circ} 30^{\prime} 70$ 28. 90 feet. Halsoni 10 inch, \& $9^{\circ} 49^{\prime}$ w 24.30 fecet. Spunce 8 inch, $43^{\circ} 55^{\prime} \in 37$ o feel. Whis $1 / 4$ earser ceto 22 feet wes of the nuarahy phore af New mile Lake. Carrecting an Ed w center lime of eec 16 , 9 set traneil on hecb 41 5o. 40 w, and finid thal at 5, 35,2 7. feel weok, the N eurner betcreen eece $16 x$ M, ecte north s. oo feet.
Courecting hack, hub 751 , w qoes Morch 0.73 of a fool tub 1622 w. goes North 1.58 feet Tub 264021 gries morth 2.57 uhere 2 divine a. half inch Dalk in the gracingt to cchich I tale the follocing BA.

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Gack punci $829^{\circ} 45^{\circ}$ E 52.70 fiel, al viar $V^{\circ} 15^{\prime}$ E
Hub at 3765.90 w , ques north' 3.67 fli $7 t u b$ t150.90 w, gaee north 4.05 fee where doriue sod spike in the graund at Eastedge of tew mile Lake and take hearingo à. followe:
 Febltth, 1915-Sunday- Ale dry at Spains hotel in trackensact checked up notes wich curo, aue night at Lpain's Fih/5th 1915. Make out hill agrinct tiram Tup. and take 10.a.m: Train to mildred. Hil Gomean, Engineer.

Lurneyed Feh 2 nd, 1915 to 7 eb 5th, 1915
Recorded Feb 28 th, 1917 .
County Surveyor, Cass Co minuerita
 by Inantia. Alomev and Norbeit D. Soman, deputy Co. durvey ors af Caes Cunty, Minnesota manch 21ah1915. 7.a.18onnertransitman tchainman. Isvalte over to lictor martinis me chain the $n+18$ center line through eec $14 T, 40$, DP 31 , on trancil lime neen by Bryant. starting fram tho inon "tcorner ow the Louth eide of ree 14 we runnordh, var $90300^{\circ}$ E: a $5+51.8$ hub: at $1141.50 \%$ hub: ar $16+59.5$ hub: at $17+75$ entes ewamp: al 21 too Lo swamp: al 24+41.6n, hub: at abouk 2690 feet novth, intersed Etwrundon line $\cdots$ at 26 +50enter suramp. at 35700 hesuamp: at $37 \times 75$ enter Binch Lake: at 5245.30 feeh North the true $1 / 4$ conner af the North side of eec 14, sets west 53.30 fect ar this $1 / 4$ coinir comee in the norch sidk
of Birch Lake, there is a witness corner set an the cea wall, 60 . feel North, this witnes. corner ic a 2.14 by 48 inch galvaniged iron pigee eet hy lurs. Dver niggh at Lake Veifo hotel in Hackensack. F.a. Alonscer, Enginceer
march 22 nd, 1915 - Continue for Martin F.a. Monnee, Engï: Brealfash at Lake vicew hotil and then Itake transil and urelf acroepleke to mortine where Iseh anew inow" kon towd side of rec $14,7140, \mathcal{N} 3$, back sighb Wect at the inon $1 / 6$ corner a guarter mile West and ren true line East into Birch lake: at 65 feetenter lake: set rowngfotakes an ice half a mile ead, then go a mile norch where Aret triancil over a hub en the nork ahore oplirch Lake, premondip et hy Co. Lurveyor Curo, for the true eectiowline futween rections $13 \times 14,2140,1731$, 2 back reglet rorth aw another hub cet ly Curs on tho twe eection hine and ruw souch un true line peginning at 2.14 hy 48 inch galvanized iron monument set by curo for the comer to sections $11,12,13,14$, we chain lacth on twee line hetweenrections $13+14:$ al 4+31.8 1, hub:
 Porner: ar $13+70$, enter Binch Lake: We chain on to the ice to abouk 3500 fi bouch anedgaib fordinner: In OM. continue Sacot aind al $52+1$ intercech the thue line coming from thowest, at a proinl $24+23.8$ East of the iron'/4 an lacth side ofdec14. Soing to the iron 作" cormer ou the west side offec 14,7140 TPy 31 , previvuely establiched from ald $u$. S. beaining trees hy county Surneyor curo, we chain East alonga culoul transil vun hy
 phout 2690 fi norch: at $28+93.7$ hub: ar $34+90.1$ hub: at $39+25$ enter lake: ah $40+758$, lvelake ude quit for night: Suppes over nighl wich victor martin. F. a. eonner, Enginier.

March 23rd 1915, Continue 7.a. donnes Eng'r, we continue chaining sach ow center link of rec 14: at 44+53.00hub: where Iset trancil and contince randometince East. var readip 9'30'E. at $46+25.9$ Ret 100 d apike for temporary mander corser on west shore of kirch La ké: at |46+70.5enter Birch Lake: at $52 \times 51.5$ intervect $n+S$ ture line on East side ofsec 17 , al a peaint $26+43.10 \mathrm{ft}$ South. Itake outfil and urelt acroce Birch Lake to trackenkoch. Call uss Give and he telle me to take 10.03 train to Backus to ctarb eurvey. 7. a. llonner, Eng's. april 12 th 1915, 21.1. Eomantransitman: Victor Martin ch: nelson, Axmaw: Starbat iron comer to sections $1415,22,23,7140, \operatorname{Ry} 31$, previonely etablished by Connty Surveg Curs and rum Horch heteveen sectioncנ1 4 and $15,7140,731$. Var $10^{\circ} \mathrm{E}$ : Sheio iran ret fin a ewamp: at 700 N , lv swamp: at 1020.25 fH K , set hub: at 1259.60 fl K , set hub: at:1850.50fen set heeb; at 2282.50 n , set hub: at 2656.75 ft norch, the iran $1 / 4$ corner previously ectablished by County surveyor huro for the $1 / 4$ comer between secu $1 \times 15$. retswed 91.00 feet. Cornecting back, thecorrection $=.34285$ of a foot: Hub 1020.25 N , goew wesh 34.97 feet: sub 1328.377 goex west 45.50 feet to true Loneth 116 comer between necticker $14 \times 15$, T140, TR 31, where. Idrine a3x inch pinc notake for the true comer: Thab at 1850.50


anice: at 5210 S, temporany SE. corner, on ice. lorrecting the Eaist line in proportion to west line hub at 2637.40 foccth, goes morth 41.90 .feel to 2595.50 touth fwhere we place the true East $1 / 4$ corner onice. At 5210 , $=$ true sec connes on ice.
 as previously chained anch established by County Surveyor Cico ie 2637.40 feet: So eietablioh the $1 / 4$ corner in the center ofree 14,7140, Rg 31, at 2507. 35 hub goes \& 25.48 to 2741.52 thence $\pi 24.74$ to 2531.83 trie $1 / 4$ cornerin section 14 . Set $1 / 2$ inch inow pipe. Corner ceta 9.00 ft East of large gray boulder. Tkub at 2579.40 goes $72,23.54$ : hieh at 1992.30 gale 717.05 : at 1370.26 set East. $1 / 6$ commer an Ef w centevline, $12.24 \mathrm{ft} \bar{n}$-drive 1 inch iron balt.
Wearing thee. War $9^{\circ} 30^{\circ}$ Pince atimp $18 \bigwedge 45^{\circ} \mathrm{E} 31.50$.
Forrecting hack on $n x$ deenterline: sub at 2294 goer, Tu, 23.30: 7tubat 1615.95
 finchicon balt: B7: Pine Stump $24, \pi 50^{\circ} 623.50$. THub al 551.75gole w 5.60 Guil for night. N. N. Bormaw, Engineer.
april/ath 1915, Contince correction on $n+$ Senterline ial 3725. 25 sel m.e. op Saccth hank of Nuw Baiy of Kirch Latee, 37. 85 f1 w $137^{\circ}$ at var $9^{\circ} 30$ norcvay pince $1087030: \mathcal{E} 7.75$ feet: -

Hate: This surerey is zat correct, hui sam necording it here leccacee it is necessary to do Roin arder that eomne surneyor may be able to priojeerly eorrect panse. I intend to loulp it areer and cornsck it mypelf ar thi eurliesh porsible date.

Gohw W. Curo.
Lurueyed march 21se 1915 to apeỉl/3ch 1915. Pecarded 7 ebrecary 28 th, 1917.

County Rurveyoe,

T／40NR31N5告PM
Sections－13－14－15



Thelo Motes Of Survey State Rural Highway Mo 80 From freld Books



FIELD NOTES OF JURVEY
State Rupal Highmay No80

## TOWN OF MAPLE





Field notes of the swineif insisec 6, Dup 139, Mg 31 and sec 31, Lupe 140, My 31, in the attempt to locate the wist corner af said secs being the 'Dup comes on the bounty line between cuss arid Akblard Counties.
Hume 12 th 1913- John w. Curs, thansitman, an sw writing for recigfied. sup in inst ablishment of lar mw comer of $1 / 39$, 何 3 !, co as to run a unagow road along the west line of eec 6. Dv-Walker ah 9.37 am . De is fare to Backers 631 . The bung lunch to tate with us and lo TBackue at 11 so am. Fruit thompson driver. Ar John Luitens place at 112070 m . Relines with Levite w 2 pay thompeot
*3, for team and take receipt. Land doh Lite walt to nw connevof $1,139, R 31$, bul find no corner or bearing tree. Aver night with Luitew. My wife accompanies me ow this tip. Johns. Curs.
June 3 oath, 1913 - Friday - (Koto the date, and it is also page 313 gf my field book) begin at tho iron monument tithe Ne corner of dec 6 , $7199, x 31$, previnusty
established by me: we check up iron with old bearing trees and find
the same to fe correct from which corner we recon west on $10^{\circ} 35^{\prime \prime} 2$ ar $E$ : at 42.9 fl West, cross ald road $H+8: a b 600 \mathrm{w}$, ret retake; al son fo w ret hub.
 at 1500 stake: at 1800 Ret hub at 2500 stake: at 2640 fr. W, set hut for temporary It conner between sections 6 and 31 , where $u . f$. note call fro a porch and the following bearing trees:
Ahead pine 10 inch: $n 48^{\circ} w$, 1 link e, (in sec 3)
head pine 10 inch: I $39 \cdot \operatorname{Cor} 379$ isles (i no rec 6)
all are gone and we continue West: as 3316 sold road hr So at 3500 Net hub. at 3960 set hub for temporary Weal $1 / 6$ comer, enter field; ál4217noad roo B.

 bearings as follows:
Turned pine stump 6 inch, $828^{\circ} 56^{\prime}$ ' $E$ 39.1s feet.
Ruined pine stump 6 inch, $1125^{\circ} 51^{\prime}$ E 21.93 feet
Turned gino stumps 6 inch, $n 64^{\circ} \circ 3^{\prime} w 24.81$ feet to tack heads in flab pert. a tach in corner of shanty, Rears $136{ }^{\circ} 38^{\prime \prime} 6.43 .40$ Joel cored turned from random al $10^{\circ} 35^{\prime}$ var. Leo thompson : Art Ttoedew aud chained perfect plumb, hob line: Rouble center hubs and tacks. Itvits transit 100 of monarch seel tape. John Luitewand Ralph Holden axinew. Lunch out, over night with Liter. John w. Curs, Eng is fence 14 th 1913. John and $\$$ ant Listen, axinew: Ard Holden and kero Thompson assist me in chaining: Ralph trolden ax: Curs, transit: mim mover goes wick ins to che "t corner on the west eide of dec 6 , I 139,73 , on County line where 4 . S. Notes chill for a post and the following hearing trees. Sine -2 inch, $85^{\circ} \mathrm{W} 355$ les, $(=234.30$ feet $)$ Pine 12 inch, $I 5^{\circ}$ E 355 linter, ( $=221.10$ feet) we find and ivan iirommenb being a 2 inch galvanized iron pipe 4 feet long, set in a bed of concrete for the true $1 / 4$ evener on the wide of eec 6 . Aves this iron corner we set the trancil and mu $85^{\circ} \mathrm{W}$ and ear 2.34 .30 feet interned the face of the "BC" marker on the old Lww.f bearing tree. Thin tree has been burned dounsince Leas here last on any and, 1908 at which time this tree stood dead fut plainly marked "J139n, Te 32E. 8173.7. and the witnesses who saw other marks on that lay are for Livitim; 4 b; 就

 8.W. of the sw hearng tree to thex recornen thene is the stumps a anotuen syench,
 is mistakew
nue find that the inen 't corscencer is eovectly placed fram thi old U.S. Learing tries and from this comen we meen horcherly on $9^{\circ} v a r:$ at 981.40 gin , tack in gack Pinc stump: all650 ret hub: at 2437.40 tach in gack pine itumper this oturiph not marked: ar 2640 . fin we hub for temporary Dup co . $n_{0.2}$. from tivhich Demp. Ton hub- nol. hears $n 41^{\circ} 30^{\prime}$ wr

 in accouns of the expence, the Ionin Povard decide to not finish this until some future date when thublard Connty may heep stand ehe expenses. Guil at 11-30 aved get dinnees wict gohn driten and catch the trains at rhackensiach, hack to walker. Gohn w. Curo. Iransitmans. Lurveyed ginae 12 th 1913 to Gune inth 1913. Aecurded Jeh 2sth, 1917.

Gohn NPmo
C Surveyor, Cas C. minincootos


Field notes of the survey andestabliahment off comers and thersearch for the ald bevining trees and the Retting of new bearing trees on i sunneymade in dec 6, Zownstipp $137 N$, Range $2.9 W$, and section 31. sup
 PIn ap county minnesota as surveyed by John w Cure Co Surveyor.

 $137+138 n, 7 g$ Ho w, where U. 8 notes call for a post and the following hearing tree: : Blactipine:

 ft in pee.') ale thee bearing trees cure green and standing three years ago when Paid gowns. Ref aid others were here ard tue found the trees to check ail perfect by 9 inch well into the ground for the time cones and covered il up, th was ret in from face of the "B7" 'figures @ $8^{\circ} 46^{\prime}$ Var. TWo years ago saw aus same huh, and again ut one year ago all the hearing tres are cut down and gone except a short stump of the SEani,pod nowrect the transit an this stump and mun $n 50^{\circ}$ w 9.90 feet and dig. evefrind ur ald hub and drive anion pin $/ 8$ by 20 inches, well into the ground driven there my

 which he (hood) thinker is the tune corner, set by measurement tor miles sot ard Whit: shoo's bicicto are wrong and ought to be dug on rp, from the in true eves we ruivinorth, $9^{\circ} \mathrm{var}$, fiterecin sections 358 . 36 : at 1320 net hub at 2640 n set hud. from which the trice ll coiner between sections $35 \% 36$ bears 85900 w 18.00 feet, al which pink we drive a flat piece of in on, faotlong. Finch wide and /4 incl thick vide a curl in the top. at thippoint being the"/ cor between secs 35736,71381130 , U, S note call far a poet accel the fallowing hearing trees: noway pine 12 inch, $880^{\circ} \mathrm{w} 28$ lh, $(=18.48 \mathrm{gh})$ Blast pine , find,
 nad re-marked by w. H. Mevood. From this stump, set the true "/4 iron, Var 8046" measuad fromifface of 13 I marks . we set one new bearing, being an finch gack,pince, $662^{\circ} \& 3^{\prime} \varepsilon$,
 vine have eco lotaoftimis in the part s years ex it in the orly tree near. correcting back, hick $1320 \pi$, is to go $889920 \% 19.00$. th to the true South ! 6 hetrucen secs $35 k s 6$,


Ian 9 th, 1909 . Saturday at home in Pine Rives
Gan 10th,1909-Sunday, at home:
gan 11th, 1909- Sam uidikin for
 Insp. and they decide to survey the $n+8$ center line of sec $36,71,38, R, 30, a .00$. Fuller goo daileyrave, beginning at a paint 38 . so feet East and 7.80 feet no ind af the true "/s com en between pecs $35 \times 36$,
 an 2640 fin orth, $=2647.80$ feet north af the true $/ 1$ corner set hub: at the comer to pecs 25, 26, 3536, I 138, He 30 , He notes call for a poet and the following bearing trees: Black pine 12 inch, n. $35^{\circ}$
 appear to he gosiciand we quill for night- Fuller t Cuss get in full day for weber t till. Daily gob in fill day for wm Steward. Ares night as home in Pine River. Gown W. Cine, Co Surveyor. Fin 12th, 1909, Decay- Gohniw. Giro, gohw P. Lee and Ace grover gat in full day for Pine Line nip and about all un done was to dig vip the old hill we once set for the true sup.



334 CONTD
which me drive an in on I inch gas piper rich steam cock on topend for the true Sup corner, from which we set tho fallowing bearing trees: how way pine stump, 16 ,
 stump winch, Sw 54.75 ft to tack head in stumps in sec 1 . At this Dup. Cor: ald U. S. not

 16 inch, $869^{\circ} 30^{\prime} \mathrm{E}$ 61 le. $(-40.26 \mathrm{ft} \mathrm{J}$.

San. isth 1909: I.P.Leef and John w. Munro works all day for Pine River Step Beginning at true Levi Cor of sec 36 mh chain carefully East, between sections 14 36, J137,t $138 \mathrm{n}, \mathrm{Rg} 30 \mathrm{w}$. at 1320 fl E ret hub: at $2640 \mathrm{fl} \mathcal{E}$ set hub, on ice in small lake, :at 3960 fr East set hub: at 5280 . fo East set Nub, from which the tire Sup. Con rets East 39.00 feet. Correcting back hub 3960 East, grew Eat 29.25 feet its 3989.25 capt. where ere drive a little $3 / 8$ inch in ow bolt 3 inches long in the ground for tho true East $/ 16$ corner between secs 1 and 36 , set in the frozen ground wick new bearings as follows: 6 inch fence post, Northerly 38.12 feet: 6 inch fence pood $f+\varepsilon 29.99$ ph. 2 inch jack pine tree 834.52 feet to head of tache driven in bearing er tub 2640 fl East gale East 19.50 fl. the 2659.50 E , where wee cut a hale in the ice in ennall later and drive in a 30 foot jack pins pole mall end down for tho true $1 / 4$ corner between recces $1+36$. as $1320 \varepsilon, 9.75$ fo to 1329.15 E where we set a little wood peng in the n now for the true west $1 / 6$ corner between secs $x+36:$ $1137,4138 \pi, \mathrm{Mg} 30 \mathrm{~W}$. which new hearings as follow: winch fence port northerly 26.75 ft. Finch jack pincosw 54.87 feet. le inch gackpine si 42.98 fl. to tack heads, tue had nothing to drive for corner. Temperature deduction k: of this mile as per previous chainage is 0.69 of a ft in each forty, or 1329.06 fat total. Going to the $1 / 4$ past an the west side of sec $36,7138, R 30$ Ito ok a few coverecei and measurements so as to be sure of the true location afthe"/y comer and gil for night: Wure-chained the entire south side of see 36 and are sure fit is just 39. feet to long. The witness corner on Wist side of little lake is gone. Leefand I gat in full day for Pine Miner Dup. \#4. Gown w. Curs.

Ian 14th 1909: John $p$ Ref and Euro work all day for Pine Riven Buy. Chat Kline rvarked $1 / 2$ day in PM. Lee and Cure vent to the $1 / 4$ evner on north
 notes call for poet and : Black pine 1 inch, $\pi 3^{\circ}$ E 55 le. - Black pine inch: $82^{\circ} 45^{\prime}$ w bolts use did not find any hearing trees as they have been cut out for a road and the stun per are either gresbbed auk ar covered ep in the light 1 . foot road grade nunnisig North and Sacco. We Jars this rep for the precis and walk to M.C. No 6. On the West side of norway Lake and between see $25436,9138 \mathrm{~N}$ io cohere $\mathbb{H}$. S. Notes call for pose and: Lamaist 4 inch, $842^{\circ}$ wislks, ( $=9.90 \mathrm{fl}$ ) Lamacac 6 inch $n 70^{\circ}$ w 30 lh ( $=19.50$ Ja) Lamarac: 6 inch, $n 10^{\circ} \% 30$ elks, $(=19.50$ fl 4 tue found the Hew hearing tree, de ad
 face of $B 3$ : We found roots of SE $13 D$ dimly marked which check out for measure and cure.
we drink a dry poole 20 feet into the mice from truce m. $C$ vide new 13 Ir as follows:
Lamarac stub 12 inch $n 74^{\circ} 20^{\circ} w 42.85$ fl.
Iamarac stub 6 inch, of $33^{\circ} 35^{\prime \prime}$ w 39.70 fit to nail heads. Guilt for dinner.


Beginning at miC. No 6. just sect rue rus West on $8^{\circ} 30^{\prime} \mathrm{Var}$ in sunlamp: at 250 w center of solid ridge 4 rode ride nod in swamp. Guilt fou night. TVhine got $1 / 2$ day for Pine Riven Sup.

Gan. 5th,1909-7riday: Ace Kroner, Char. Theine, Gohw P. Leet arsed fohwtw. Curd worked all day for Pine Miner Sup. Beginning at stake an ridge 250 feet west of $M$.e. No 6 , ur continue West hetweenueece $25 \not 536,2138, N 30 ;$ at 529 . 98 pet hub in surampefor temporary $1 / 6$ : John $P$. Leefared I chaining plumb-bobline: at 529.89+586.14=1116.12 human hill: at 1849. 98 set hue b East of road: at 1856.58 West? eetpinim road center for temporary $1 / 4$ corner betucencecs $25 \% 36:$ at 3183.18 Wet hub an side hill for temporary $/ 16$ posh; as 4509.78 pet flag in center
 50. Feet $w e a t=4559.78$ ghost hub 50.00 feet west of $T$ th center and quill for night all got in full day for Pine River yup. John w. Cusp. Co Surveyor Jaw 16 th 1909 . Thine and Duro corked all day for Pine River Sup. Lee wonted in OM. Begin at hub 38. so feet East and 7. 80 plus $2640 .=3647.80$ feet firth of 1

 sections $25+26,7,38,130$, eta north 49.00 feet and wert 10.60 feet. Total distance is futwren the $1 / 4$ corner hetwucn recce $35 \% 36$, to the $/ 4$ earner between eco $25+26$, is one mile, plus 56.80 feer or 5336 , so feet total. John W. Curd, Colurveyor January 17 th 1909, Sunday. laid up.
January 18 th 1909 . Monday. Leif and I worked all day and reline worked 2 day in $P m$. for Pine Rives Sup. Regin at true $1 / 4$ conner past in lake onstaccth side of sec $36 \mathrm{~J} 138, \mathrm{~T} 20$, and rem North on 80 vas: at celocel 600 f nleavelake: at abocet 900 N leave suramp: at 1320 set hub north of road for temporary $/ 16$ corner : at 1988 ft $\pi$. set hub: at 2640 fir $\mathbb{K}$, sect hut for temporain center of sec 36 : as 2803.70 n , sect hub: at $3043 a b o u t$ center of Retract bears nip fE: at 3960 n sect hub for temp $1 / 6:$ Shes chained north 2 chains, each chain 90 plo sg, $=1080$ pectanch est marking pin, driven well into the ground to hold measucrennent till some futrue tine: Then chained rough to aback the north side of dec $36:$ at abacist $5280 \pi$ ret pin: from which the true $1 / 4$ corner seta about $3 \%$ feet north and 32 feet East. Guib for night This is the las day unewill urals for Pine Rives Twp, as webbent till wile finial the subdivision of sec 36 . I and Lecf have got in 7 days each fou Pine Rives Sups. Smoked for Webbier + till 2.1/4 days. Son $w$. Quo, Co. Surveyor.
 aud others with $a$. $ง$. Fuller, asmiw: and John IP. Def and of chaining perfect. Teuffel \& Ester, transit. plumb bobline, go pout Chicago steel tape: Begin at true $1 / 4$ post an west eide of $\operatorname{Sec} 36,1138, T 130$ and run Gash an 80 var: al 660 fr E, set hub: at/320. set hick: at/770 set hub an hill: at 2640 E, set hub. at 2740 Ret hub: at 3170 center of $\mathbb{P}$. at 3960 put hub: at 52 soffect Each
 $29+30$, set 84.70 feet East and 3.10 feet South. The true depth of tee. 36 caen and west, ie 536410 feet, ar 5293.20 fl bovid chain being $71-50$ feet oven length. a.l."uller and'g got in full day for webber titilb. gohn P. Ref got in full day for ard thill: section. $31+36$ to the Inv.. conner. Lliatance is 727 feet.
an thi'1/4pos heterem sections $31+36,2138,7229 \times 30$. . . . . notes cole for pool and th. following hearing trees: Howaypine/sinch, $583^{\circ} 30^{\circ} 92$ bin ks ( $=60.7$ g jut) Blackpem 4 inch, $\pi 86^{\circ} 45^{\prime}$ E 44 link e, $(=48.84$ feet $)$
Former Co Lirrveyor ms games E. Canfield found both of these old trees from which. he set the $1 / 4$ corner, $l 028$ years ago, when he surveyed $a$ woad mining $x \times s$. a. Mr. L. 7 . Johnson also found bath thees and sect a stake for Peter Tolinguisb why hail a fence, setting a corner pool 3 feet north of the twee 1 stake, thew
 old stake annul m ga mex Tines took a rewove awl dug up the stake porn fence. The ald hearing trees hame been diegout but the fence corner is here from which o drive ait d nail in the frozen ground for the true Y4 conner and main new hearing as follows:
Stump 1 inch, $85^{\circ} 45^{\prime}$ E 6 653 felt to the head of hames balt driven in dump. stump 5 inch, heave $850^{\circ} 41^{\prime}$ w, 0.0 .68 feet:
Fence post, 6 inch, torch $0^{\circ} 4^{\prime}$ 'W 3. 55 feel to nail head var $8^{\circ} 46^{\prime}$ E. Gan 20 th, 1909. Wednesday made plat of Yup. road in ce 36, 5138, Rance 30

John w euro, Co Surveyor Surtreyed gan 8 th 1909 to gan 20 th 1909. Recorded 7 eh 28 the 1917.


Field notis of the suncey and ectablishment gf comere in ections1-2-3.8-9-5up
 $1,2,45,8,9,16,3,19,20,21,27,28,29,30,32,33$, Iupp $134 \pi$, Range $31 w$, as surneyel by $n \cdot n$. Sormanv, deyputy Cacnty Luvieyor, Cace Co, Mimnseota
 mell w. Is. Gones who takes me to 's. Imithí farm. 2go to 're viners between rectione 2and 3. Nupp 134, Mange 30, Where U. S. notes call for poet and.
white jine 2 sinch, $n 50^{\circ}$ west 12 slinke: Ifind we P etcmp standing front which set 8.m. foo'ly corner.

Haill surney fors road: PBegin al's bitweennsec $2+3$ mew nord on true live.
Reun 415.0 hich. road center 712.1 hub-road center 1322.1 hub-road centers From thio peoint corvee of road ic as followes - norde 59044:lad 433.65:
 horth $20^{\circ}$ ween, 176.85 fech: From thisprind twe comer torectione 2 t3, 20 wn $3418 y$ 30 and reco 33 and 3.4 . Zown 135 Rg 20 lies roorth $58^{\circ}$ wesc 4330 Jeet:
 9015': at 1202.15 hul: 1405.5 hel: 1892 hulb:1700enter marah: 2100 leane
 Gunc'9th, 1915: Contincue Enct: at 3482.5 huch: 4095 enose creck: 4909.5 tud.

 trorth 2.11: 3326.75 goes north 1.89:2412.6 gace nordh 1. 37: 1892 goen torch1.07 140515 goes north. 80: 1202.15 gres horth. 68: From "h comer heteveew rections $2+3,2134$ ligar ret on 9.m. sighl sauch ow true comer to rectione 2.3-10-11 and set road centers every 400 ferl - chain touth at 450 enter swamp: at 1 noocrose creete: at 1850 Lo swamp: 2500 enter sumpp. al 2645. 3 fell sowh intersect corner to rections 2, 3, 10, 11: Stayed two days with keorge tmich. w. T3. Goines take me to E. a. Colin farm.

Gune 10oth, 1915: Thin all day 9 work an ficld mothe
 Hegin at sow $11 / 6$ cornev in center of sowid half of rection 9 to rum "1bline it Stony Lake: L al center of rection $9=89^{\circ}$, $L$ at $/ x$ cornes towt dection $9=90^{\circ} \% 55^{\circ}$. $\mathscr{L a t} 116$ comes $=899^{\circ} 52^{\prime}$ : men west. at 832.3 hub in road center: at 1318 . 9 hed. inroad enter on last tank of sttony Laki ricin road asound lake as fallows: $7130^{\circ} 36^{\prime} 225.5$ feet. L $26^{\circ} 32^{\prime} 185.25$ fuct, R1 $0^{\circ} 44^{\prime}=$ Hond $59^{\circ}$


 $219^{\circ}=$ Sunch $18^{\circ} 30^{\prime}$ Wext 733.0 : $1225^{\circ}=$ Lauth $46^{\circ}$ Went 560.0 ; 210 $0^{\circ} 5^{\prime}$ douch $35^{\circ}$ went 505.1 : MR $19^{\circ} 33^{\prime}$ - Lanch $16^{\circ}$ west 141.5 fuct = culvent: 711903 $3^{\prime}=$ douch $16^{\circ}$ went 164 fect. U. P notes call for m.C. at this point there ave no hearing trees to be found and as the petitions states that road shall fulem
section hine betcucen sections 8 aind, $7,4.134 \pi 30$, Ruile have to extablich Theander cornev: The last sursey was maide by Lodd and. I will have to go to pillager to telephone the office for field noites. N. N. Soman, Engis
gons 12 ch, 1915 , Eo to Pillager wicth Garmein Creain Wagow and purin cale Gur 12 sh, 1915, So to Pillager wicth Farmei' Cream Wagon and pution call \& Curs: Nat able to git Curso kend letter.

Gune $13 \mathrm{ch}, 1915$, Lunday- w. 13. Gones drives $n$. 19 . Eomman to E. a Calei fow mpe instrumento, thence to bes. Norn's where Ruill etart survey ofroads in $1,134.1$. 31

Grme 14 th, 1915, Monday: $N \cdot$. Eomaw, trancit: Mr. A. Ecklaned, chaiw: Begiqu at cornew to eces $1,2,11+12,7134$, Vg. 31 from which Druw Norch Var 9031': at 200.1 hub: 455.6 hibb: 700 enter slocigh: 890 Lvo anne: 906.4 kub: 253.1 hub: 310.enter slocegh: 1400 Lwsanner: 1939.4 hub: 2545.5 hub : 3320 hub ; 3811.1 set huk. 4594.5 set hub: at 5220.5 ret heb: the corner to eections 1,2,35\% 36 , lies East 75.75 feet. Correcting back, the correction $=.014511$ of a foat $\varepsilon$, for each joob 21.200 .1 N . gop Gasl 2.90: hut 455.6 n , goere. 6.61 f1: 906.4 n , goea $\mathcal{E}, 13.15 \mathrm{fl}: 1253.1 \mathrm{n}$, goea $\mathcal{E} 18.14$ : 1939.4 n , goes E, 28.13fh: 2545.5 M , gues $\mathcal{E}, 36.94 \mathrm{Jh}: 2610.0 \mathrm{M}$ goes Easl 37.87 . Feel to True $1 / 4$ corner fitcreew secs $1+21134, \mathcal{X} 31$. Let iran monceminent for $1 / 4$ corner 3.320 .0 N , gals $8,48.18 \mathrm{fl}: 3811.1 \mathrm{~h}$, goes $8,55.39 \mathrm{ft}: 4594.5 \pi$, gues $\varepsilon, 66.66 \mathrm{fl}$ : 5220. 5 7 , goes $\varepsilon, 75.75$ fo to the eectis corner of 1, 2, 35,36
 peck $78,17,18: 7134, \mathcal{X} 31$, and run Sask an $8^{\circ} 30^{\circ}$ Var: $a 117845$, set hub: al 3101.15 $\varepsilon$, eet hub: at 5284.40 E, pet hub: at 6598.50 , net hub: at 8399.1 , eet lueb: as 9484.60 r, set hub:
gune' 16 th. 1915-Sance crevr continue East: at 10624.5 , the cornes to reca $10.15+16$, seto 56.5 feet laceth.
Gune 25 th 1915- Ber Cole, chain: O. Thingfile, ax maw: B. Beckervot Faney, aspren Pegin at corner to ecer $32 \times 33$ an douch Lown line 7134, R31, Mun north: al 237. 0 pet hub : as 1146.9 N , set hub: at 15641 M , set hub: as 1963.0 hub: as 2649.2 hub: 2881.3 N set hub; at 3189.0 set hub; at 35641 , n, eet hub: al 5260.97 , set hub reap temporary corner to recs $28,29,32,33,7134, \mathcal{H 1 \text { : Shence continue Norde bectucen }}$ eecer $28+29$. as 6199.25 sei hieb: at 6997.5 n , set hub: as 7980.0 N , set hub near temporary $1 / 4$ cornes hetwcen sectione $28+29$.
Gune 26th, 1915: Continue North: Uar $8^{\circ} 30^{\prime}$, Same crew: al 8898.5 set hub: al 10200 enter slough: as 10619.1 eet hub near temporary comer to pees 20, 21, 25,29: continue norch between pece 20421 on randone: ah 11560.9 sel hub-levve slough. at 12610.5 set hub: at 14157.5 set hub: as 14700.0 set hub: at 15600 enter doingli: 15889.1 set hub near temporary conner to sece $16,1 \geq 20,21:$ al 16364.05 rel hubheane slaugh:
fine 27th,1915: Sinday, all day at Jtingbiles:
Gune 28th,'1915: 0. THingtilesichain: C. Thaney, ar: Beginning av hub 16364.05
 fect hub: at 20492.50 set hub; at $21265.5 \pi$, Iodds temporary cornen to seici $=9$, 15,17, lies wect 253.75 feet. Vecide to run trial line ane mile novth

Gene 29th,1915: Iucesday: Borman, transit: Cale chain: A. Telingbile: a Slinghiled Raney, ax: Beyinning at hub 2102501 continue Nordu: at 23939.80 hub: at 24000 . enter slough: at $24,35 \mathrm{lv}$ pame: at 24268.5 set hub: at 25171.9 2 , set hub: as 25878.0 set theb at 26595.95 set hub: as 26612.35 set hub. the carner to eece $45,8+9,7134,7731$ lies west 371.75 feeh: Thes. corner was


set by whitely. Begin at corner to nece $4,5,8,9,7134,7,31$ ruw north, Var 90 , hetween sece 4 and 5: Cut ouck to Creete which is to high to ford and decidi to woult in South part of soun till low wates:
Gole Gime 3o th, 1915, wednesday: Koman, transit: staney, chain: Hhingleile acel Cole, chain: Begin at cor to secs $29,30,31+32,2134,1231$, and reen Eact between sece 29 a 32 - Var $9^{\circ}$ : at 2640 , sel hub: Demporary $1 / 4$ cormer betweenrece 29432: at 319111, set hub: at 4633 E, set hub: at 52344.75 E, set hub, near temporary corner to sece $28,29,32,33,7, \xi 4,7231$. Look for 73 . T' where $\mathbb{K}$. S. notis call for howray pine 6 inch. $546^{\circ}$ E 40 lks: horway pine 14 inch, $f$ y $8^{\circ}$ Wo 3 lhs: Poplar 13 inch, $u 210$ w 52 lhs:. Contince Ead bitweeniece $28 \times 33,2134,1 \mathrm{P} 31$, ar 6350 enter daugh : ac6465.5 Eset hech.leave slough as 7920.2 E, Ret hut: mar temporary $1 / 4$ evruer hetweenece $28 \times 33,7134, \mathcal{R} 31$ ar 5955.9 E set hell. at 9794.8 set hub, at 10577.9 corner to rections $27,28,3,34,2134$, P31, lies tocod 11.95 feet. 2 go to $1 / 4$ corner heteveen sece $32 \times 33,7134, \mathbb{R} 31$, where 4 . S. wotes cill for jeosh and: Noruay pine soinch, $\pi 69^{\circ} \% \Omega 9$ lhs:
 and plainly marked. frow which geel $1 / 4$ comen. al 2651.9 K , ownol. raudom hine, comer linc. Wext 9.5 ft .

Gily 1at 1915, Borman transil: Cile, as: Hhinghile, ax, and Ataney, chain. 33, on Dowmline, to corner to recs $45,8,9=26612.35$ feet: at 2651.9 N , the $1 / 4$ connev lies west 9.5 feet, set to 73 . as 5314. 1 comen to nece 28, 29,32,33, lies East 71,10 feet. distance from eorner to $29,30,31,32$, to comer of 27, 25,33, $34,=10547$ 9.feet. By propportionate measurement $10573.2=$ th. S. neasurement 4.7 feet $(\cdot 000444=$ correction) $5269.13=$ distance betereen seck $28+33$, $5309.76=$ distance beteveenceco $29 \times 32$ : as 5308.75 cornes to rees $28,29,32$, 33, lies south 34 . feet. to estiblieh /s evmes between cecs 28.33 , at 1943.628 , the 14 comen eeto fouth 23 feet. Io establiah 14 comer between sece $29 \times 32$, at 2654.35 the "/4 corner goes touth, 1 . feet;

Guly 2nd, 1915, Friday: Begin at $1 / 4$ comer beteveen rections $21+28,2134$, $\mathcal{R} 3$, aind nun west, var 9930 . Letween sece 21828 : at 650 w , enter slough, al 800 lv came: at 1062.6 Wrect hieb: at 1500 enter macel : at 2645 . sret huh near temporary corner to nec $20,21,28,29,7134, R 31$ : Continue riect betwees cece $20 \times 25$, as 2500.25 rech huk: as 3757.25 m , set hub: at 5.307.72 W, en hub wear l/s comer hetween seck 20 and $29:$ as 70.24 .4 w, set hul. ar 7711.25 W , set hub: ar 7949.75 Hext the comen to sece $19,20,29$.30, 134, R31, lies Sacth 27.25 feet set corner to 13.7 . Mi.f uotes call foir josl and: wepen 24 inch, $\$ 55^{\circ} \mathcal{E} 18$ less: Aspen sinch, $133^{\circ} 160$ lks: aspen 2 inch, $n 52^{\circ}$ \& 48 lhes: Elm 14 inch, $n 31^{\circ}$ w 32 lhs: 9 find the Ulm stump, still ptanding: Thinghis and Cale will sevece to this
to this bearing tree Correcting back： $1949: 75$ ．feet＝mychain and． 7924.62 feet $=U$ ．S．chain $2.5 .15=$ difference． $003173=$ everrection． 2641.98 plus $8.38=$ 2650.36 and 19.49 .75 minus $2650.36=5299.39$ being length of Saith line of pec po，－
 sets west to 265.0 .36 an EP wraudom：at $10638.770 \mathrm{n} \mathrm{n} \times$ random，conner to popes 20，21，28，29，lies West 5.5 活信，at 2650.62 an Ex Grandam，corner lies Nards 10.25 feet．No establish $1 / 4$ comer biteveen secs $297.28,2134,731$, at 9976.45 corner lies 32.8 feer East：Do establish $1 / 4$ corner beteveen secs 20＊29，ac 5300.31 corner lies Sacco 8.50 feet．

July 6 th 1915－S Loran，transit：Cole，ar：Thinghile ar：Haney，ch：Begins pe．．．．
corners to secs $17,18,19,20^{,} 1134, \operatorname{Tg}$ 31，rum Last Var $8^{\circ} 30^{\circ}$ ：beterreen recce $17 \times 20$ ，setting road centers：at 78 fie．\＆．set hub；at 199.60 enter wed banks of creeks：at 215 he East bank of Creek：ar 461.75 E，set hub：ar $823.25 \varepsilon$ ，set hub．air 840 ．enter brapech of Creek ：at 14244 ．ret heb；al 1873 2．fe．E，eec hub ：at 2157.68 ；ret hub：as 2504． oct hub；at $35 \%, 35$ ，net hub：al $413 \% 9$ foe $\varepsilon$ ，set hub：at 5301 ．fe E net hub：as 5309． 75 feet Gad the corner bo cections 16，12，20 $\times 21,7134$ ，P3 31 line north 13.00 fL ar 15963.25 K ，the corner to see $16,17,20,21,7134,731$ ，lies west 140.0 feet： correcting hack：（．002487） 78.0 goes $n$ ． 19 fl： 199.6 goes Th．．50 fl：hub 461. goes $n, 1.04$ fth：hub 8213.25 goes $x 2.04$ fl： 14241 goes 33.93 ft： 1873 ． 2 gre $H$ 4.6 .4 fr： 21.57 .6 goes $n 5.36$ ff：hub 265499 East，goes $n, 6.5$ feet to the trice $1 / 4$

 J134，た31．From comentoceco $16,17,20,21,7134,7 \mathrm{Kg} 31$ ，we run East bitiveen secs $16 \times 21$ ；Start line across slough East，Var $8^{\circ} 30^{\prime}$ send flagman around and set flag on line；then turn $90^{\circ}$ Le pr and run 1051 feet lord and sect hub from which 1 turn $66^{\circ} 50^{\circ}$ Le qu（St angle）to flag across slough：distance to hub $\xi$ ，across slough is 2456.02 feet．

July 7 th，1915－wednesday：Auric arrives from Minneapolis－Cirrice， transit，Yorman，chain：Cube，Thinglile and Thaney，as：Beginning as hub 2456.0 .28 we continue East chaining from same as paint＂0．0．＂as 394.90 ct hut：as 159．4 at hub：at 950.0 sect hub：as 1658.0 set hub：as $2847.0 \varepsilon$＝corner to sections $15,16,21,22,2134,3131.2847 .0$ added to $2456.02=530,3,02$ feet being length of line hetiveen sections $16+21$ ．as 2651.51 set＇／1／corner on line between $16+21$ ． $180^{\circ}$－
 sect $4+5$ Var $8^{\circ} 30^{\prime}$ ：at 755.5 K ret hub：at 824.5 K ，cross creel：at 1306.2 hub：at 1913.7 sel huh：at $2529.4 \pi$ ，net hub：at 2652.2 the $/ 4$ coiner tetween ecctione $4 \times 5$ ；lies East i21．10 ft：Earrectingtack，correction $=.01021$ ．755．5goen．East 7．7121：hub 824．5x，goes E．．．42：hub $1306.2 \pi$ ，goes \＆， $13.34 \mathrm{fL}=1913.7 \pi$ ，goes E，19．5334：2525．4 $\pi$ ， goes $\varepsilon, 25.82$ ff：．Beginning at the $1 / 4$ corner between see $4 * 5,7134,733$, run north．Var $7^{\circ}$ hituren sections $4+5:$ at 339.6 set hut：at $719.0 \pi$ ，at hub：al 1216 ． 7 ai hub： $1622.0 n$ ，oct hub：ot 2492 ：cross roadiat 2499.2 set hub；there is is corner on town line，and cannot be established wichoul firab establishing corner to N．W．corner of Down 134，有 31．She Sown Board decides to take the matter under cosizideration．

July 8th，1915．－Thursday－Barman，trenail：Cole，chain：establish the ．＂／4 corner between eck 20121 an 15953.25 ft north on $x+8$ random line．The corner to see $16,12,20,21$ ，lies 140 ．feet teat：as 10638,70 fllnorth on $2 \times 8$

SURVKYRECORDIYOZS COMTD

 on Equrasilon line. Do establichithe $1 / 4$ rier between eec 16417 , at 18625.527 , the 14





 hub at 16838 set hufria 22800 sitherb: at 26560 martin take ue to mureor of fuppy

 huf $2 \varepsilon 860$, and contincue soith between 899 a d 3258,48 cethob, al 53290 , thecome to rec $8,916,12$ lice enet 128 , feit. Correctingiback $602402 /$ inib 6050 gaer $\mathcal{E}, 14.5$ fh.
 hub 2280, goes 54,7674 hut 266408 gaes $\varepsilon 640 \%$ to the 6 gonver hetiven pece

 $1 \quad 1617,9134$, z 3
fidy 10 th, 1915 Laturiaiy, Enmanetransil, Curuie pod aich chain. Cole,


6.2

2020
2052
2050
2093
2192
2288
2402
2482
2447
2647
2711

2743
2596
2618
2753
2816
2815
2828
2818
2883
2872
2851
2803

of Crow Wing Piver, which is shallow and sue chainacuoss: at 5300 Coreriver: ar5334.9
 Slm 13 inch, $120^{\circ} 30^{\prime} W$ 30lke, (-19, 8024). Tue find Slm stump plainly nuarked from which I set mander cormer: at 5353 , South, the m. C. To. 20, lies Went 144,75 . 24: Lie go to teriforary corner to sece 7, 8, 17,18, J133, K3, and continue Curcié bine North:
Friday Guly 16th, 1915-Soman transil: Sawherd, chain: Wait, ar: Establishing comere: ar 7920 on Eot rurandom, comer to sece $7,8,1718$, goes Eact 4.95 to 1924.95E, whe at 5353.50 on $x+$ draudom, corner goes touth 3.21 fit to 5350.29 : at 105776 , 18 thi" $1 / 4$ corner bitween sece 8417 , gaes trude 27.6994: at $54.7800 \pi+8$ randam line, car to rece $3,18,19,20,2133,1231$, goes noroh. 03 of a foat to 544.21 , Coviun to Rivini. at: 2647.15 the "/t carner bet. secs, n+18, gaes west 72.62 feet.

July 19 thi, 915 - Saturlay: Begin at carner to secs 2418 ,ow wect Bupp bine of
7133, K 31, ruw north 9030'Var: Boman, tunsit: Lawhend, ch: adams ind wait, ax: ar $1329.3 x$, ret hub: at 2139:25 n, eet hub: at 2816 , 2 set hub: al 2855.0 K . enter Louch bante of crowwing rives: Send flagman to opposite banl \&he ect flaq ow line, ther twrw right angle and rem 500 feel wist, angle at that point equale (neangle) $48010:$ Choss vives by bridge and stant neex.
 to rece 647 , Wectride, lies East 79.9 fr: Sotal linget of lime is 5280.87 fK guly 19th, 1915, monday: Lhormaw tranail: Adarms, ch: wail, as: check chaining. Curiés random line: Begin at con to secs 4, 5, '8, 9, 2133, R31, running west: 1560.0 hub. 2175.0 hul. 2659.9 hub: 3350.0 hub: 3823.5 hing 4885.0 hub: 5104.45 hulf; 52.23 .25 hub. 5511.8 huet. 6535.15 hub: 9719.50 hub: 1900.0 crass Inosquito Creek:7939.6 hub: 8501.8 hub: 91999 hub: 10633.1 hub: 11690.2 hub: 12214.6 hub. 13175.55 con to eece 647 , on west town $l$ lies North 259 a feet. Correcting bach on Etwracedosw line, IL. S. Chain 13085.82 feet $=13175.55$ ff. my chain Misference 89.73 Jeet: Cosrectiond .006811 of a yoal. 5280.0 cor to cecs. $5,6,7,8$, gues wect 35.96 fot to 5315.96. at 10614.78 ow $x$ ofrandom line, carnen goes norde i 0.94 to 10645.64 Length of sec line between secs $17 \times 18$ is 5295.51 . feet. Lengeti of line betwcen sece $7+8$, in 5295.51 . Length of sec line bet. secs $5+6$, is 5179.2 go . Stablich $1 / 4$ carnes hit. sece $5+8,9133,7331$ at 2657.98 cornen guen norch 60.75 ff . cor. to necs $5,6,7,8$, liex 18 ferwit of $M$ and Srandan: Car to pece 5, 6, 7, 8, 2133, K3, lie 121.4 feet Norch of \& ow random line:

Gely 20th 1915, Bueeday-Eorman, tranict: Luwhead, ch: Waiteadame, Roseurald aud ' 74 adams, ax: PRegin at Eact $/ 4$ evernen hel sece $7418,1,133$
 ar 2140.1 set hub: al2294. 75 heeb: 3053.8 hub: at 3871.472 set hub: al4184.0 K ret hub: at 4500.0 K , bend of mosquito creik... croes line. ar 5020 crom creete: as 5110 crose crect- 5284.0 hut on fridge. Is establiad $1 / 4$ comen het sece $4+3,2133, K 31$, an $\sum x$ wandom: as 7993.44 the $1 / 4$ cornes gaed $\pi 168.71$ feet: ar $5297.10 n \pi x$ - Arandom: the 14 cor bel seces $6 t 7$, lie.
 at 450.0 enter suramp: as 1362.5 I set hub-lv suvamp: as 1506.1 hecb: 2172.25 hub:

Guly 21ar 1915.Wednesday: cume crew continue linesoude: at 12348.75 hut: 3101.7 hub: 3981.8 \& hub: 4370.3 herb: 5308.2 Sowth the $1 / 4$ cormer bet nece 8417 liew 4 est, 70.0 feel correcting baif, $0013,19$.
 2197. 9 hub: 2527.5 hub: 3327.0 hub: 3477.0 hub: 4017.7 hub: 4829.3 hub: 5296.4 hub: 5312.4 w, the $/ 1$ corivir hit. secs 788 , lies 21.5 north. 20 establish $/ 4$ comer
 corner goes wear 28 of feet ar 1323.87 the Lout $1 / 6$ bel seen $7 \times 8$, goes weal
 YP 31, run Ease. Var 9030', ar 558.1 hub: at 919.9 hub: ar 1 765.9 hub: 2283.0 hub 2725.6 hub, on $n \%$ center randomise

Girly $22 \mathrm{nd}, 1915$, thureday; at 2670.35 the Such $1 / 6$ an $n+8$ center lino ties 51.2 fir kutch': Correcting hack, $=.01917$. Tub 558.1 goes 810.69 fl: 919.9 goes 811.63 hub 1763.9 goes 833.81 fl: 2283.0 goes 843.86 fl: 2648.35 gree 851.2 fit Lompoc, transit: Adams, ax: Wail, ch: establish $1 / 4$ cornering center of rec $8,2133,1$ R31 at 2618.25 where Exwcentes random intersects no l random line, temp ara $1 / 4$ corner goes 10.59 fe to 2649.21 fo : on $n+8$ cen Random line: ar 2649.210 m $n+1$ cencundom, tree $1 / 4$ corine cen of rec 8 , goes West 34.94 fr to 2653.19 F Etwraudam line. at 3978.21 on $n>7$ random line, touch $1 / 6$ goes west 52.94 fr e to 2670.35 . To establish wear $/ 14$ bet secs $7+18$ : ar 2640 awranda line, between $4 \times 18$, the $1 / 4$ corner goes East 1.65 to 2641.65 . Correction for Et. 000625 . at 264165 the $1 / 4$ cor lect $7+18$, goes $8,1.75$ fl: Peeginining at $W 1 / 4$ car to secs $7 \times 18,7133,1$ 31. Men n Y ar $9^{\circ} 30^{\prime}:$ ah 131.6 ed hub': send man across river and set hub on line. Turn $90^{\circ}$ angle and um west 290. ft sit hub from which Stern (x) $52^{\circ}$ 20:
July 2 3rd, 1915 , Friday: Bowman, transit: Sawhead, ch: Adams and wait.
 449.5 hub: at 834.4 hub: 1992.8 hub l: 2646.55 the Saith 116 on Ease line of
 $\pi 5.29$ fl: 1992.8 goes $\pi 12.65$. 2646.55 goes $\pi 16.8$ to 8.16 on 8 line of eec 8 . Begin
at S. $1 / 16$ bet. sect $1+8$ nun west 29030 : at 1248.25 hub: 2469.5 hub: 3666.5 hub. 3900 enter mosquito Creek: 3995.0 hub: 4175.2 enter mosquito Creeks: 4210. hub, he cruet: 4260.9 hub: 4481.1 hub: 5.328 .9 hub; ar 5312.7 the Sowed $1 / 6$ on Wear center line lies 78.5 fe notch.

July 24 th, 1915 , Satwiday: Begin at hut on $n$. hawk of crow wing on west $1 / 4$ line running $24+f$ in eec $7,9133, k 31.517 .232$, hub: 992.34 1818.2 hub: 2640.0 hub: 3913.5 hub: 5313.4 hub: $5317.4 \%$, the wear $1 / 4$ bel seeds 647, lies $w 18.2$ plus 15.0 off set $=33.2$ feet. To establish wear $1 / 4$ car bet. $\sec 6+7, y 133$, Th 31, at 10560 cor goes 7171.92 ff , to 10631.92 . Whale lime is 13175.55 my chain. 13085.82 We. S. chain cliff. is 89.73 ft: Correction 00.6811. at 10631.92 the $w 1 / 4$ cor goes North. ar 13175.55 , cor in Down lin lies $n, 259.2$ Jr. ar 5315.96 cor to $5,6,7,8$, lies North 121.4 ft. 259.2 minus
$121.4=137.8$ fir. $93.18+121.4=214.58=$ distance $w / 4$ cor bet $6-7$, goes $n$, from 10631.92 on random live.

July 26 th, 1915. Monday-Sorman, tranicit: Lawhead, ch: adams, Wait aud Peterson, as: at 2658.7 the $1 / 4$ cor on wien line goes w, 16.7 flor 6.7 fr from off ret an random: From $1 / 4$ car run $\varepsilon$, var $9^{\circ} 30^{\circ}$ : 450.8 hut. 681.0 hub: 1238.5 hub: 2018.2 hub: 2336.3 hub: 2510.0 inter mosquito Cruft: 2535. olvosume: 2502.1 hub: 2680.8 hub: 3188.25 hub . $5019.5 \mathrm{kub}: 5313.2$ hud $11 / 4$ cor bet $7+8$ lies 111,5 to the north. Io establish the East $1 / 4$ in cen of rec 1. 1133, K131; at 2649.2 on Ex w cewlixs, the W'/ in cen of rec 7 , goer

SURVEYRECORDNO 335 COMTD



 $\cdots$ Letiron monumint.
fily 28 th, 1915, wedneeday: Goman, Lawhead rud adams retiron monument:


 Guly 29 th, 1915 - Thureduy - all day at Mathy work on nate and tine of astmin. Guly 3oth, 1915: Fnidky - Lu for walker - T T fare \$1. 86
filly 31et 1915-Saturday - all day in oppice an plato aind noter:
Quy 17 th, 1915 - Lueeday-Lv Wallui for mothy - Rele fare $\$ 1,78$ to ect inon
 aich cannal get Cabe - Stay aucr'suglil at inatley

Gug'Eth 1915 -wedncoday-Lawhead geto machine to take ne to Cale: Tlipgbile' $l$ or dinner - biegin ectaing iran corsere
 continue to ect 2 Mir. am boarding rivith atto seingobile... A. Nlinghile tapes me to motley- unur niglit at City Thatel Guig 2oth,1915-7riday: thatel biel 1.55. Lv for walkes au 2:00 P: Miain Re Rave 1.78 . Surpey nade Gene 7 thi, 1915 to acuguel 20 th, 1915 .
Nate:
trecind this eiviney as takenfram the above field notes of nio Lomman, - becquee the laverequires me to necond samnemel the laned ovnene demavel that Imstee puch rucord hut 2 cusnov guarantee the wists to be corrich until of haie esamised it, whidh otrieet they viel plmill meto do in thi near futerer. Necorded fibruary 28 the 1917.


SURVEY RECoRD No 336

Field notes of the survey and cetakkirkment of the obliterated comer to sections 1411,14,15, Tounship $137, N$, Range 52 W , Care Cacenty Phinnesote as extabciehed hic biden W. curs, Cacenty Purvey on. June $20 t h 1916.2$ go to the carne of sections $10,11,1+15$, Tugs. 137 N, $\mathrm{N}_{1} .32 \mathrm{~W}$, where 9 drive a male iron monument in the center of the Main graded North 9 Rocth wagon mo ad being State penal Highway No. 81. State Mural ticighway No. 81 Mas heenthicet North and Nowt, directly aver the center of a main traveled wagon road which has been here, 9 ans toed for ares 22 years. Thy ion Monument Rets North of, and directly in line with an red. Corduroy road leading south which marked the true position of the vel main road which rus hist on what was genially considered the trice sec. line running $N$ q south. The iron monument here nefered to, veto 2655 feet north of the 1/4 Corner Retweun sections 14 and 15 , and 5270 feet Raucti of the corner to Rectione 2, 3, 10,11, and directly in lase he neverwasthere a ptriight line hetween the two pinto. Ar drive he nerebingsthere the o un mioncument at the point where the Highway Engineers pound it, and where of am toed an old stake hap stood for more then 20 years. Anveher evidence 9 have that the carer is Correct, where 9 Lave jicst, set it, is hecacese an oed line of fence runs $N$ prom a point 33 feet west of the iron monument L have just Ret. This Fence, 9 am toed, has then built for The past 19 years and was hilt buy one Mr. Odegard to mark the Wert boundary of the road limits in the the ion on monument above referred to, Rets 5105 feet East of the Corner 9;10, 心 and 16, po Chained buy one of my assistants.
Recorded March Fth, 19,7.

## SEC:/2, T/36N. R 30 W.

Field notes of the euncy of a part of toundife 136, Hange 20, to subdivide ide 2, as runacyed by 6.33. Norst, depputy innveyor, Case incinty; Minnesotw Manday, march 26 th, 1917, b.73. troveh with eunvy ant fith and neciccang field notes, leaves Walker far Pequat on the 9.2 st train: N. TR fare eguale $80 \%$ Thet at Pequat by Fred stancen wiot team, Minner at Ired Atancesir
O.m. "E. B. Norst, tianivit and chain, visining Binley tainsit aind 100 foot chain, Chicago otel tape, accioted by Fred stansen, flay aned ase, Theodore Mhas, chaiw and ace

To subdivide section 12, 136-30-ue hegin at corner to section ? i2
 ete SW of intercection of $M$ İnd, S and $\&$ and $W$, Graded and tiancid. roadi, and used by mie in formerisunveyo. and mun Hosth al 9 degrees $25^{\prime}$ variation: at 38.6 ft $\pi$. center of E. and W. road, contimere $H$ ongraded poad: at 1089.1 fr. N. eet 5 inch spike: at 2305.2 gh. N. set roike: at 2670.6 porth eetispike near jet. for ${ }^{\prime \prime}$ section corner, hetincen sections 7 and 12, Iup 36, Ranges 29 and 30, which unc abliterated and recotabliched by County surveyor y. W. Curo, and washed ait in a 1916 frechet. A fence nuse East and asce west from this peoint. Cantinue north, (hegin aheach cide gfroap), at 4214.0 feet norch set repike, on hill: at 5340.0 fh north cet rpike, and uncouev carnevs to cectionci, 6,712 , dup, 136, Rg: 29and 30, macked by $21 / 4 \times 48$ inch it $m$. wich follscining hearingev: a $4 \times 4 \times 48$ in wood posh S.E. S6.5fect: a $3 \mathrm{in} \times 40$ in racend past $n$. $E$. in section $6,-61.6$ peet all 0.1 lret transil aues coriner aind sight 1 and 12, Iupp. 36-Gp E0, and set 5 inch ropike an reandam line. Guch reun intersecting easine at stath. 538.6 fect norch and 8.7 feet 1 of rection cornew, (1,6,, 12 ) S. We angle of true $n$ boundary of Sectian 12 to randonn 6 bandany equals 89 degress
 trancit over cection comer, siglet $H$ an random line and turn H.W. ingle of 90 degreer $15^{\prime}$ and nin random line iv hetereen eections i2 Mad 3, Lupe 136, Ag: 30. (This randorin diecantinued.) quit fior niglet. E. 73 Narst. Neputy Lurviijor

Zuesday, March 2Yth, 1917: E.13. Trord, twancitinan, Zh. Ulan and Inoth indereon, chainmex, fred tancen, flag and ay. O.C. Alsow, charlew deffen and alhert Shelty, aive. Hue begin at corner to secs. 11 and 12, 13 and 14 , 136-30, marked hy a $2 \frac{1}{2} \times 48$ in. I . M. which retw in center of $\mathcal{E}$ and w. graidad road, I checte this i I m . with stimpes of $U$. S bearing tree:
fack pine $8 \pi 70$ degrees \&ach $95=62.70$ feet and find it $a . T$.
fack pine $7: K 66$ degieew west 200 ïe gone. Isct tranich oner this comerisighat East over graded road to P. E. comer of Section $12,136,30$ and tive $H$. E. angle If degreed 40' and rein random linie $K$ ditivien rectionce $11,12,136-30$. leson and andereosi, chairmeri, begin at 8.6. comer of dection 12, 136-23. and chain weot as follaus: at 270.0 ft: W. Center of Horth and donth cruet. et 2.73 .0 fh. W. 32 gh . North to cinter of road bridge: at 320.0 ft. Wenter of creet. It 42 s.0.fh W . center of creete: ar 600.0 fr . W. on center of 6 . and $W$ giaded rorael.
 er 3960.0 ft . W. stake tempr. 16 comer: at 0346.0 ft . W. introect d Im. at Comer



Gackpipe 12823 degrees $45^{\prime}$ East 70. Ifeet, eec.13: Ko ofjects $N$. E. Chaining from evirnerto
 fect Horth epiki: Ah1320.0 feet Worth netake tempi Y/ 6 cor: at 1449.0 feet Worch center of E and W. logroad: at 21 39.6 leet narth epike: at 2636 . Tfeeh North intercee ald post, eet licov. betur seew.
 fiet, phainly marked heing a enaq. 5 ft . high. factp pine 773 39deqreco East 18 links $=11.88$ Ift in gone. Contimeetrancit lince Norch between 11 and 12: AT 3050.0 fh: Kect-epike:
ar $3200 . \mathrm{ft} . \mathrm{N}$ enter crecie battome: at 3840.0 feet H cross creet - flius $\mathrm{f} E:$ an $3960.0 \mathrm{ft} . \mathrm{K}$
 4625.0 fect $H$ croce log road at 52.916 feeh Narth intersech $M$. $12 \times 48$ in al cor . to ceice. 1,2 , 11,12, Eup. 136, Ag. 30, Ret by Rtorat in prieviaup scivneyfuom U. S. P. Jiotumper. at a hub 6.56.6 feit East of this cori an a inandominhine perviourly run hijme I set a theh 3.57 ft n. antrie ece. line hetucen eections/aindi2. I return ased peit traneit aner

 tranpit and hackeight $W$. to $W V 6$ cov. Q M. Retincen enctiassland 12 , reneree telecepe and sighet Eaer to ture eec. line Easl of $1 / 4$ comer, line deflecta A odeques 37 moncites. Fuit formighti. Aver might at Stumend. 673 , torat. wedncéday. Mareh 28th, 1917: Rarel, trincit, vich same crevir
Buginminig at corncer to cectionel, 6, 7aind 12, Lup. 136 Horth Pangep 29 aned 20 West I corvech back arier randan line prencicesly rus. Gorrection equati .0016 3 of a faat Eart for each foat Nonth. Hub 4214.0 feet Hasth goex Eual 6. 87 fept. Pesh trancitiouer this corrected kich, hackeight Horth aw Lectisn corner, et a $2 \times 2 \times 12$ inch wrod et ake for $H$ orth $\% 16$ corner, hetucen cectiand 12 and?,

 29 aind 30 w, with fence poachiwech 24 . 5 feet and fence port Eact 22 fh. to blagip on forh: thbi 18.9 .1 feet north guen East 1.87 feeh to twe line, I-set tiangit overthis corrected ohuband hacheight hacth on $P$ M at cormer to Sections ! 12,13,18, turp.136, North Range 29 and 30 West, foreciglit Horth and ret a $3 \times 24$ in. ot ake for Saicth $1 / 16$ corncer hituren eretions 7 and 12.
Oectitiansit ouer 273 . to Lections $, 1,12,13,18$, eighl Thorth on tive line and read N. W. angle $90^{\circ} 30^{\prime}$ to true kacch live off kectianv 12, 136-30. Righting wect an bection line biturein Lectione 12,13, Iup,136, 30, Leet 5 inch ppikee at phe. for $1 / 14$ and $1 / 16$ cormere al Station 1336.5 W epike for East $1 / 16$. At Station 2673.0 West picke foil/4 cor 2aind,3, leight Eastito Seetion cionnex and turn H. G.angle of - deqreevandruev random $/ 1 /$ line Norch thraingh' tection 12 at 300.0 feet North eniter mexdocur at 1109.0 feeh North center of creete. at 1499.0 feet Horth leane meadow: ar1417. Feet horth net ppike
at.20.13.4 feek Worth eet apike on hill; ah 2689.6 feet Morth set mpike
it 3137.3 feet Horth cet ppike: at 3200.0 ft. Forth emter ensimps.
afi3\& 10.0 feeh center of creek ( 4 fiet wide) : at 3997.0 ft Narch set spiek
114313. O fest Horth leaue nuampi at.4526. 'ft. horch at-apike
at - $\$ 27.6$ feet north set spike $1 / 4$ corner fetwren nectione land 12 . Sith Enat 25.4 ift

loet trancit nuevt' cor and right Horth on true Range line, twn N. W. angle 90 degrees 50 'and mus rascham "\$ lince wel through dection 12
at 33 ft wesh enter meadow: at 400 ft . Weei leave came
at 590.0 ft . Werleet spike: at 1184.4 fect weet, eeh repike
at 1310.0 feel weeh center of creets.

at 3021 . Geel wexh set spiter:
at 3520.0 feet weat eet poike:
at 3879.4 feet weal alt spike
ar 4400.0 fect week enter meadacer:
at 4583.0 feet Wect set spike:
ar4700.0 feet weet center of creete (twelue feel)
at 5130.0 feet weel leane cuasmp:
av5308.0 feet wext $/ 4$ cornev heturen cectione $/ 1$ and 2 eets dacctil
3. 8 feets. Tue unalk north /" mile and eet a $3 \times 3 \times 30$ in . pish for Torde

V/6 conner at Station 3964.15 ft . Norch an true line. Sue walte lowch
one half mile and eet a $3 \times 3 \times 30$ pole for southll 6 cor at Statian
318. 35 fech , Narth an true lince

Ninnevat Math Andereanio, supper and aver nighl virith thed Anwen fuit fow night. Whwed 6. D3. Thoret, llepty Surveyor

Thureday, Marel 29th, 1917:
6. T3 Wout, traneil wich sheodore aleow and carl steffen, accicting
Walk to the intercection of nouch and Lacth ard sict and wect walk to the intercection of Nowth and Lowth and sact and weel random $1 / 4$ liner of Section 12, Lupp. 136, Range 33 , where Iret true center of tectian from P. I. of randonse, ly eetting Wube an both the lince and, intercecting eance, Pi. of ture linew at Station 2652 . feeh Horch and 2684.9 weal, vere then ect $3 \times 30$ inch poal at. Center of Eacl halp. Ar center of Horth half ar cinter of wext half - at center of slacth half of dectioni2, until ue can abtain Iran moneimente.
A.I. Roral, trancil, Hancen and anderean, chain, Heffen, Jlog. Q. Z. Alsan, ake

I set twanait aven Nosch $1 / 6$, an Range line Letween dections 1 and 12, bounchipe ane hundred thicty eis, rangle 29 and 30, cight norch an ture hine and turn norchucush argh 90 digrees $47^{\prime}$ and run weet on horch 16 line
at 1413 weet crass ald loy road.
ar1920 wed inter meadain
 turn SNuth odigrees $26^{\prime}$ and cantime Horth $/ 16$ line west
at 600 crass creet
at 1170 leave neadow
ar 2240 enter meadom at 2597.6 ft. West Morelk $1 / 6$ conner sete North 6. Sfeet: We retun and ret the center of the $\pi$. W guanter of section 12. At Station 1298.8 pt . Wext of $/ 16$ corner on guacter lime, and 3.4 fo north gf randomuline. We ret the centes of ehe havheast quarter of Lection 12 at -Station 1345 . 4 feet weet of No

Survey Pecord No. 337
on range liner.
Llinner at stepun'e. Supperandiauer moght at thanoesie.
Guit for night. E. B. Bhorek.
Friday, Tnarch 30 th, 1917: Rhoral, trancit, Thiodore Alean and math anderson, chain, Nancen, flag, ttefjéw and Aleon, asonen. Rect trancit aucr Sauth $1 / 6$ cor. ow Range line hetereen Séctione Yaud 2, 2aumehip 136. Ranger 29and 30. Righl north on tue line and turw $N . w$ angle 90 degrees 41 'and ruw vuect sw laccth $1 / 6$ line of Lection 12. At 280.0 enter meadour.
fit 548 - feet weot center of creets: at 553.0 feet wechleiame neadow-creed: at 1850.0 feet weot enter suramp: At 1990.0 feet weot leane curamp: fir 2530.0 feer wect center of Surch $1 / 2$ sete north 0.9 feet.
Continue samneline wuest: At 3056. feet west leave battomes. fir 3264 feet westenter hatioms: as 3380 . feek west crose creek. ar 3644 . Leet west leaue hattome: At 5324.9 feet west-Socth $1 / 16$ car. fetueen Seetione 11 and 12, Lupe.136. Range so, eets north 1.6 feet. forrecting back: ar btation 4000.9 fh . West we eet center of sul/4 of Section $12,1.2$ feeh norol of randonn lince. At Station 1338.45 fL . W. Ret center of $8.6 .1 / 4$ Lectian $12,0.4$ feet 7 outh of random liner.
to canplete the euruey of this Hection the Eact $1 / 16$ andwech 1/16 lines phould he mun, fut as the land avonere of dectiowl2, do nat care to stand the espence of more work, we diecoutinue the surney for the peresect:

I peend the apternoan in checheing calculatidner.
kinner at Care Steppenis. Supper and aver niglet with tred Alansep. quit for niglit. E. 73. Tloret.

# SURVEY PECORD NO $338 B$ 

Iield.notex of the suiney, of a part of Dommahip 136, Rainge 29, to rubdivide dection
 mmujar of Caes Lake, minnesata
 haimmen, Fred Llancen, flagmerv. Mads Andeweow aind Show. Disow and Lens bevang, aximen
EVe hegin al canner to eectiano $7,12,13,1,5$, Zownahip Ane hundwed thintyeis, Wrth of rangew 29 and 30 , Wext, with trancih eetting over 2.7 . A-cight than th time range line and turin 90 digreee $30^{\prime}$ N. G. angli to huh aw ture retian ine (an tape of hill.) hetwren Sectione hand 18, Luep 136, Range 29. The unhb prth ane mile to 2 M at M. Wricor of dection 7 . o. E. angle from range line to
 hetrueen sectians 6 and 7 . (cement monnmesil) I backeightitiest andec comere eviree teleccope and night Eish to con of dectione on co, 1 s, line deflecta horth 1 degree $10^{\prime}$ : I oht tr anvit anev dection conne $0,6,7,8$, TBackaight
 equald 91 deqieex and $07^{\prime}$. Eset thassih anerly cormer biteveen ilece Tand and baickeighl north in twe Section line and cantinue this line bocth,
 mev, backeight morth an ture line and tirn $\pi$ iw angle ss degrees "! $1 / 1$ corner. $9 . m$. hetwren Lectionce 7 and is. Set trancil avev'I' cormer, chaight Raek an dection cornew, rencree tclecapec and turnidegree o'?", flectian angle reacth to hub an twe Section line fecturen Aectione and is about 1500 . feet weat af It comoner
raded roads an weet, horth and Aloccot cider of sectian", a vidpartly raded an Eave ride Anderean ind toge, charnmiz wient vide of dec.7. reviacisly chained. Chain sart from \%i.W.cornec to dec. T, Sounahis 6, Dangie 29 at 300 feet, Eacl suramp docith of rood.
 udereon drinul. at 2510.5 fl . Eash ly edr hetween dece.6.7. "t carner alo itation 0.00 chais Each at 5.20. Each le aue ruxmp: at 1322. 2


 ett lncheach 9 rom H. E-crinen of diction $Y$ chain - Pocth hetween
 Rucadow:. Coutinue Lauth: at 4089.8 -sjeike on raad grade: at 5291.6 Wouth $2 . \mathrm{m}$ at carmer to eections $\geqslant 18,1 \geqslant 18$. From this corner, we chidins Weal hiterveen becw: 7 and 18. At 13.22.85 ret hub in road an true See line for Earl 16 ciomer at 2645.7 guarter comer between ecetione 7 and 18 : Chain weil. '/ coniev equaln 0.00 wed: at 1349.30 ret uaod poch an tince line far wiot Kicorner: at 25245 Wext equalo 8.2 M at dev.cov of sec. $\#$ Tupe.136-29. Guit for night. G. B. Ntorah. Gprit 12t, 1917: Eunday, To wirk. Gpril 2nd, 191.7: Monduy, Thorst and eame crevi: 7Begin at /4evoner in pange line hetricen pectiona 7 and 12, Inp,136, Pangea 29 and 30, dight Dorch to $x 1 / 6$ cormer and turn $x \cdot 8$. Angle 91 defrece 18 'run Eash thre entir of Siction 7: 15 5162.2 feet Eral "/4 cor. 2. M. Hetwein Sectianc yand S:

ecte north 1. \&feet: Begin at $1 / 4$ cance hetween Secs. Tand $18 /$ marked by an d.m.) sight rucet to hub an true rection line and turn $\pi . w$. angle s9deqrees 20 'and run norech through section 7: at 2633 . 1 feet korch intercect randorn Enet and wect $1 / 4$ line: at 3300.0 enter suamp: at 3580.0 leave runmp: at 4915.0 feet hourk enter itam ruamp: at 525 57.0 feet north eige of road bed: $a 45267.6$ horth $1 / 10 \%$. Letureen cectiono 6and 7, Dupp. 136. Range 29, (marked thy cement monment) sete East 1.4 feet-in center of graded road. Aeginning at weot one sixthendl
 corner and turn $\pi$. E. angle 90 digreee 40 'and um weet one cistenth line north thrangle eection, wichaul chaining. At about 4300 fl . northenter cuampe at center of graded raide weet I 6 conem hetereen sectione 6 and 7 , ects Eact 11. If m macked Aycement monumenh. guil for night. 6. M3. Woreh. for last $\Pi_{1} 6$ cornew hetrucen rections 1 and. 18 , Nacuinchip 1 36, Kange 29, I eight $/ 4$ mile west to $1 /$ comer and timn $7 . W$ angle fsdegseex $47^{\prime}$ and run East $1 / 6$ line north thraugh Section 7.
jet hub an Eact and weet I/4line. Cantinue norch: At cection line hetween pections 6 and 7 Easl $1 / 6$ couner, eets meet 50.0 feeh. Each H/1 comer marked hy a cement momument. Ipoon invetigating. A find o haive made a 3 foak nietake Hy Kackerighting on the rraing fackeight from eact and weat $1 / 4$ lince. She norehcueal angle at Eact $/ 16$ cornev shauld have heew is degreen 1 'instead. of 88degrees 47'as tunsed
We go to the center of north half of Hection y equidistanh
fromi 14 hetween rectione 6 and 7 and center of 7 and eet pach fand orect a 30 foat flag. Iset a trankil near intercection of ect usod pose forcunter of $\pi \cdot w / \frac{1 / 2}{}$ of dection 1 . Iset tuancil arwer evceth $1 / 6$ corner hetween dections saind 12 , su Pange line eighl north to north $/ 16$ comec and turn $H$. 5 . angle sodegreer $54^{\prime}$ and un Sowth $1 / 6$ line Eart to 4 linc, where we cel center of Saceth $/ 2$ Lection 1, eornevrecto Sacok 1.8 feet: I backeight West an ture facch $\$ 16$ hive, foresight bast and turn Laccol 0 degreer $31^{\prime}$ and mun Eact ón Lovel 16 line. Intencect Eeet fine offection!, al twe south $/ 16$ Corner, where we eet gest an ture eectionsine $1324.4 \mathrm{ft} \%$. of Sectinn corner at P. I. of Eicland week $=$ line and cial It line, Iret hub awtme "16 line and righl Socct to sach V/1 corner heteveen Sections 7 and 18 . Naving eet hube on South $1 / 6$ lin Q nowintersect eame vicl Eart It limi and ret post for center of 8.6. Mrsection $\%$ ar P.d of $/ 4$ linic and ture East $/ 16$ line, a set peosl foivcenter of Eicl half-cection 7. Une walk to section hine hetween Sectionin 7 aisd 8 and sel $\pi 1 / 6$ corner. Iset transit over thie comes and xight to flag at center of $\pi 1 / 2$ deitian 1 , and nus west on north $/ 16$ line at sandos East $/ / 6$ line, I intercect twe nowle $1 / 16$ and ture Eact $1 / 6$ lines and sel poel far center of we M of section 7. ar B\% of 14 limes make internection and cel center
of bection Seven at O.a of East and weer "t line and west to lime, ? make an intersection of twre lines and reicenter of west 12 offections 1 , al randon west $1 / 6$ and randasw Sawh $/ 1 / 6$ lines $2 m a k e$ an internection of true linew and rel center of diutM of lec. 7. Guil for might. E. 73. Xtowh. Wed. apmil 4th, 1917. Thoul, transil, traicae Brye and Fred Dtancen, chaimmon thoe-deican and Nule dervang, armew: Dyy agreement, hefore me, of all partied poncerned, 2 am instructed to seurver (acre from the SW. It afdec.? Iup. 36, range 29, and 1 acre from the 1.6. 1//4 of the 5 . W'I' of dection 1 , Lupp. 136-29, fov chunchpurpaces. Commencing at the Wed $/ 1 /$ cor. hetweenvecs. Yand is, Eup. 136-Mg. 29, thence nordh along weat 116 linc 3 Bfect to place ofteginming thence west 280 fh pearallel to sections line, thence north parallel to wees V/0 line, 198 feet, thence west parallel to rection line 220 fect, to west V/16 line, thence s ow w $1 / 16$ line 198 feet, to place of heginning, containing, acre. TBalance of day, an calculations. E.73. Thamet.

Thure apuil 5th, 1717, Waiting an oraw monumento to arminc
from walker. 8.B. starst.
Inilay apre. 6th, 1917: Btanct, math and Made andervon, Ined Dancem,
thoo. Discon and helo Sevang, all residento and tas payers of $C$ ase $C_{0}$.,


 center of $8 / 2$ Sec. $7:$ Center of $8.6 / 1 /$ sec. 7: Centir of $8 / 2$. Sec. 7: Center of- Sec. 7: Center of
 Rinc betereen rece. $7 \times 12: 1 / 4$ an range line beterveen bece. 7 and $12: 81 / 6$ an kg line hetween secc. $9 \times 12$ : all others comess wene previaudy extablisked and marked by permanent monumento.
 - T. Ahan and Sherdare Alrow, ale residents and tax payens of lave Co, hegin wl Fact Y/Lecov. heteweew sess. 12 and 13 and set $2 \times 4$ sinch 92 m . ar Jollowing comers. E/10 hetweensections 12 and $13: 1 / 4$ heterveen secs. $12 \times 13: 261 / 6$ hetween recs: 12 and 18 .


 Center of $8 / 2 \mathrm{rec} .12$ : centeraf $8 \varepsilon / 1 \mathrm{sec} .12$ :
all ather comers in this section miarked by 2.7 is previoudy rect tue drine $2 \times 48$ inch 9. mis at all the eomens of the nornegian chucch Loto as shown hy che accompeanying sketid.
This concludes eurvey of sestion", Sup. 136, Nange 29.
Wheodore alson duives me and outfil to Cequat. Itake 1:29 a.m. thain to walker. Fase so cento. -6. T3. Horsh.
kepart of sunvey of "Fornkeland thad, Inupe: "N1 Pange 26, (TRmen) Cain Connt, Thimnesta 观giming at $n \varepsilon$. 4 comer of diction 22 , eacid town, which
 linko, which iv otationo then wan vection line, vari 6 ' $43^{\prime}$, bta oto Hfoch nummp

 etony 15 to 17 hight timbev and frewhy. 17 to 20 heary timber 20 to 22150 frivehy





- dain timber, 30 to 34 thicke gricicth of Llemn peop avid cdri tta 34 enter uns
and fdriviuamp noditimber cir and hurned ouer tocta. 37,37 to 51 cds.

 Howire the cami det jost hiet no new bevininge, continued weat on line, vai
5'0.5 fta 53 to 5450 , Hlact akh, nuale. 5450 to 58 high timbered eined. 58 to 69
ipruce suamp about 6 fic higher than eurimp eaxt 69 to 74 it dgree

heavy timber. Bta IM40 loaked or made thavaigh cinamination fow $1 / 4$

 ralling eneface is 3 to $55-5$ degree plope weet- 85 -to $86-4$ dignee plipe kapt86.toff lecich, timber s9to $90-10$ digree hill weot 90 to 93 timber dry buak. 93 tovo levat, brual, 100 to $106 / 20$ light timhes and fruch. levil. Io Gi20 uw


 anihper var. 610'- 106120 to 108 level, buech 108 to 110 timber, lowinidg- 110 -65. culvect. 110 to 11 inamp, Et w 11 to 113 timber. 113 to 115 perseing thrua penced field ar clearing, " 115 to 118 finchy levil 118 to 125 light timner lench. 125 to

 jparty abliterated) 4860 ह 13 -eel georh and new hearings, to -wil . White ivich
 to 140 levil, heariy timber. 140 to 140 f 60 level down tinither and brueh
 to $158+80$ tumberfuch; level, Stw. 158150 ow. Cor. Lec. 21, which une -asp ute 68 Eq21: Fiv 8 H 67 wil: Gup, 10.8691026 : Fir 6822 \& 25 Howis is

 White date $8 \pi 6.9$ w 4 9.
Then cantinued sauth an linc mar n'34', Sta 158t8olend, timber flapinilg Sasth sta. $163+25$ to 181 cpence summpirmall timber Sulvesh sti, Cilvenz 180700. 181 to to 185410 not much timber ar truch, lencl. Stw 185tro wet 1/4p|28 which urasippince funct 14 tepunce 10 \& so weeh 19 -:


No. 339(contí)
 to-wit: Spuuce 88. 57 E. 50-white hirch 8869 W49: Whein continucd douch an line, war. 7'18'.. 185410 to 192 lencl land, light peattering timelles. 192 .


 remaining thearingo aliliterated by jires. Het popt and nev tearinge, to-wit: Mry white. Pine 13,879875 ikry tainacach $12-122$ w1, 21: Whew cantinued Rauch an line, uar. 7157 : $211+43$ to 238 lewel fruch, peattering
 Kowis - $N$. Pin ptump $20 \pi: 40 \mathrm{~W} 8$. Set posk and new hearingp, touil hery white peine $148.46^{\prime} 30^{\prime}$. 79 : White pine etimp $24739 \omega 107$ whew cantinved pacch an lince, var, 7 ' 21 '. Sta $238 t 6$ to 2644 il leuel pandy poil.


hownis: Asp 6 n 5 \& 30 . nearly obliterated. Seh peok ased neur bearinge, to-mil:
white Pincetub $\because 74$ \& 73 :
Aninvint labor an surney, to-mit:
Thirty-eiglit and ane half dayp it. 2.12 per day surveyor $10 . / 2$ duyp at 4.24 peen day.
notal.
$\frac{44.52}{26.14}$
ferne 10th, 1912.
(signed) \&. Rt. Ilysns, Sunsergow.

## SURVY RECORD NO． 340

## Repart on Sunney of stantomarad



pation 20，which was：Gajeen 4才68E21：Iir8れ61w11：Mep．10．569w26：

7ir letubl 6822 8：Orat heing eet made new hearingo，to－wit．avpen 14 rt 7130 E46：White cate $8 \pi 69$ W 49 ．

Shew west an sectian line，vav．6＇13＇sta）to 2 leacl，breishiy，douns timber：sta ＊50．cuchert．Sta．2to 5 ，degree dape east．Sta．3t 35 enter cleining $n$ ．sta．Thane
 Sta．Ito 17 rearonable heary hardwasd timder． $18+20$ leane ewamps $n+8$ ．
8＋20 to $24+0$ timber，star 24720 enter add，alder，and hing tamarack sumapp

Lam．12 n4w23，how is the same，det pastand new hearinge towit： Blach aidh $x$ 63＇30＇W53：Yir S23＇15＇E42．Dhew west on dee line vas． $6^{\prime} 35^{\prime}$ then． 32730 leave alder，ash and dny tam．suramp．K．E． $32+30$ t． $38+50$ he ne Prenky．timder land． 38150 enter ach and alder evale．S．w． 3560 leave ad and aedersuable and enter cirs and tamr．Sta 42 leave cder and tamu and Elder grave land．Stw． $42+17$ creete 10 fect wide and 2 fect decp．Sta 43．entar cer tha． 49 leave edr finter scattering hirch，balam，ete． 53 enter blact ach rwale stac
 fich S3 W43：now is the iame excephition nuswit，which ie ollitnated by time：del past ind new hearingo，toinut．White hivch 10 n 25 wiw 6 ：Reacht wolh 78 814\％：Continued meon on line var．6＇40＇ 5350 culvent． 5 FH5 leave wh pavile 8．8．and enter buad land widh ecattiring，timber to．68，20．60150 Z $61400=10^{\circ}$ Zill selspingieast $68+20$ wrod edge ach and tam swahe． 69 culvent

 spuce 8 n 56 wris，fir abliterated by finc．bel past and nuw hearinge，to－will：
 weot online var．8＇38＇．Sta 55 culvech，s6．to 98 long papp burah， 98 to 104 gact pime，
 is cor of 19－30－141－26，and 24－25－141－2？which was qpruce $12 \pi 46810:$－gpruce 14 o


Lam． 7 Kノフ世 2512 fect：Lam． 8137836 fect．
Being two（B）milis and fine fet in length and Brode wide，amant of dayp work on raid umney is as follencus：
histern／2 days at $\$ 2.12$ per daif．$\$ 34.98$

Rence 14，1912．Signed，9．74 Flymn，Surneyar


Aepart of Sunney of Wation TRand
Beginnsing at the ceriter of the orice dake ooad at a point nean the centh of bec. 27, Iupe of Cimevi(i4r:26): then inest an te. and why line, var 9110 tot otof- 3 degrue slape $E$ not much bruch and abuat 16 onmall hasduosd treed

 poot and sew hearingo, to-wit-Dlact oak 2-151896: White cinc stumps $38 \% 61$ '30'W57. Thin cantimued wect on Exw'tlime dec. 28 afomenaid
 31 culurth, 32 have uagon raad, idw the 10 to 34 low thend, about 20 mallich treev green and dry. Sta. 34torswecattering hardurous. timber, low hruch. Sta. \& to 45 ralling and otony, $43+20$ tape of $150^{\circ}$ tide, $44 f$ co hattom of hill. 45 to 59 heavy timber. 4t iungan $\pi \times$ s s bhe
 radd $n t s$. F9 to 66 ecattering -ctandinig timber, broveh and ticm timber. 66 to 40 tam eumimp, 67 chlvert. 67 ooleaive tam summp 66 to 12 low houk no timber if any cancegence. T2 to Tb, eanthring practically leacl. Sta. Isf 99 meot If S. Gorecacd, cec. 2 s which was
 pernce (lacan) 10 i. so $\varepsilon 19$.
let pact and new hearingor (bes. neport on runcy of thosteland
 2,599 fect and 3 rode vide, amount dayp work and eaid- curncy is an fallncuer, to - mit.
Sisteen and $\$ / 10$ dayo at 2.12 per day
*35.6.2
Five dayo at " 4 , 2 peer day fenneygor)
$\frac{21.20}{56.82}$
fence 20th. 1912. (tigned) g.ty. Blynn, Livirijas

Report an Survey of Aacun Read, Leginnsing at the Lacchead comer" tection 35, Zumnchips of Slater, (142-26) Case launty. Mimnesta, which was:


46 East 96 linke: Thence $\pi$ on rection line hetween sections 35 and 36 , ,aid 2 Zown
 falsam and pogplav: ita. 13-14. "/6 corner-Heasinge, acpen 12 S 73 E 47 linbes: Samu- 5 d. P2w 5olinks: Sta. $22-95$ crace ald logging road Eact and Wear: ita 23-80 ungan
 1\%s, hetween said sece. 35-36, which wav: aopen 6850wblinke: appenb852E 79 lish.
 foing the cec line hetiveen eaid eections 35-36, Statian 22-37hencl, friable, eail nok stany or hruchy, medinm growth of fince, halaam and paplav: Statian, 3>-40 ecattering emall roraray pine: Station $46-50$ craesed ruagon road Each: Station 47 coak cellar weak: Slation 43 to $52-48$ no timber: Station $44-60$ to 51-10 cubtionted Field: Shation 52-48-Car. sections 25,26,35,36, which was: white pinc 248.848. 54lenber:





 chortircuited the unvey and constructed the soad over a hill biteveen thoce
 ecc. .5) Stw.100-78leave caid E $/ 16$ line cec. $26 \pi .28^{\circ} \mathrm{W}$. Sta. $101-20$ leave cumampi: Sta. 101
 106. 86 culverts. Sta 107 to 107-50-15 hill doping couki - Lta $110-58$ is 5250 Jeith off. eectionline, Sec. 26: Sta.109-21 culverh: Sta. 111-70 $\mathrm{N}, 110 \mathrm{~W}$ tosta. $113-40$. Sta $113-40 \mathrm{n}$ to Sta. $114-52:$ Ste: 114 croce ald wagon noad $E \times W$ : Sta. $51-10$ to $114-52$ notimber worth mentiaining, comi stonc and bresh: Sta. $114-52 \% 24^{\circ} E$ to $120-28$ intervect $E / 1 /$, line sea 26, $160 \mathrm{ju} \%$. to S. line of raid rec. 26 : Sta. $117-35$ jh. of $12^{\circ}$ Kill reloping It: Sta. $118-40$ cubvert. Sta. $120-28$ to $133^{-5}-53$ along



 fill sloping K: Sta. 15-4-27cubivert:Sta. 159-46enter alder and dry cedar reupe. E. +6: da 161-10
 Sta. 165-49 intervecto section line 14-23, 1.32/fect wrfothe ne. comev sec. 23. Thence cantinued pron. an E. I'sth line said sec.14. Var. $8^{\circ}$. Ata. 169 top of $5^{\circ}$ hille: Sta 172

Note: Gram at, or near, this paint the county has layed and canotructed a road varying from the rante layed aut that eeeme unnecessary alothistime to report on the remaining partian of this survely. Suffice to eaiy tric ourney contimued
to station $318-15$.

This surveywas hegan lanuany 8th, 1912, and completed march 14th, 1912. Mauch 16th,1912 S. Zt Flym Surveyor
Remer Minnerotal

## No. $342 .-P L A T$.

Town of Slater

2

516 NO. 343 PLAT

B
SEC' $18-19-17-20-16-21-15-22-14-23-24=$


Surveyed July 31914 to July 18, 1914 by Sames Middleton
Precorded April 28,1917 By Lo kn Mi Greene, Co. Surveyor, Coss Co.

$$
\begin{array}{r}
86027 \\
89026 \\
\hline 2061
\end{array}
$$

## SURVEY PBCOBD NO. $34 \beta$

Field nater of a sinney of the lenter Line for a Cunty Rasd in the Doün of turtle Late, lave County, Minneeata. Explanatory

The instrment ured in the suvvey is a C. W. Berger to tand, no, a transit in purfect adjucetinent. Whe tape meacuree ured ase a Lucace 100 hect-and a Pee 300 Jut etcel chain tapece which pereviously had been campared by measuring each 100 feet of the Rac chain tape wicth the Rucas chain tape and finding them to correspand.
all mearuremento are in feet and decimale of a foat except those If the U.S. Learing treew (B3. Wi) which are inslinks and according to a copey fo the $t$. S. field nates in the ofyice of the Connty anditor
all hearingo are according to the magnetic menidian execeph those given the $\mathbb{H}$ S. Bo Th which are accarding to the ficld notew.
all rection undivisional conneve wure ascestained accozding is the rules prescribed for the subdivivion of eections. I go to the $1 / 4$ Scorner heteveen eectione 18 and 19, A. 41 M., T. 30 w:, and find a ctake for the cimev that previocusly had theen set by a depenty county cenney or frow the fallowing u. S. TB. Y':-
tamarac binchere in diameter, In $3^{\circ}$ E, Iz linke,
tamarac 3 incher in dimmeter, $819^{\circ} \mathrm{U}$. 38 linkw, and call thio 14 S. carnivetation $000+00.00$ and hegin the surney at this "! connew.
phence $\pi \cdot 84^{\circ} 34^{\prime}$ ' , hetrueen pectione 18 and $19,2555.40$ Jeeh to the comen
to rections 17,18,19420, ov etationi 25. 5.3.40.
Statiow .000+00.00. whe '/4.f cornev heteveen rece. 18 t 19 , in a tam ewamp.
$2+70.00$ Leane the Lamarac suamp: $4+70.00$ לTrainend und Leech Late rozd $1+00.00$ Throok 10 linke wide. Flous H6.: $18+50.00$ Enter racend mased $19+75.00$ Leave the marek: $25+53.40$ The comen to sece.1シ18, 194 20, a wood take for the cornew, from which hew the Jollowing W. S. T. T', : white feine, 24 in in diam. (etempeof) $n$. $26^{\circ}$ bact,, 227 linke white pine, 24 in in diam. " S. $511^{\circ}$ Each. 37 links Poplar. 7 in ischiam (remaince) $74.42^{\circ}{ }^{\circ}$ Weel, 107 linke Poplar, 12 iw in diam (humt up) d. $55^{\circ}$ Weat, 17 linker.
 corner hetincen dectione $17 \times 20$, ar etatian 52-40.90.
25 553.40 the cornec to Secin: $17,18,19 \times 20: 36+90.00$ enter marah: $37+40.00$ Leane the march: $52+40.90$ the $1 / 4$ S. corner hetucen eece. $17 \times 2$. a wood take for the corner, from which hear the following te. S. D. . . Gellow Sine 14 Fin in diams (etump of) $1.49^{\circ} \mathrm{F}, 18$ linke
Pappele: 10 im in diam (otump of) $n .47^{\circ} \mathrm{W}, 32$ linke. Shence, Left, $0^{\circ} 36$, ar $71.83^{\circ} 41^{\prime} 8$., hetricen Hece. $17 \times 20,2666.30$ feel to the comen to sees. $16,17,20 \times 21$, or station $79-06.20$
$52+40.90$ the $1 / 4$. cornes hetercen cece. $17420: 70+40.00$ enter muand $11+45.00$ Leave the mash: $13+45.00$ Enter marsh: $74+45.00$ leave mavah $15+70.00$ enter cedar summp: $19+06$. 20 the cornew to eections $16,1 \geq 20$ 421 , a wood stake for the cornee, from which hear the follouring U.S.7. İ: cedar 10 in in diam. $\pi .52^{\circ}$ Ead 24 linkes.

Birch 9 in. in diam, $2.58^{\circ} \mathrm{W}, 37$ linke,
गBich 6 in. in diam.. \&. $51_{2}^{\circ}$ w., 31 linke,
of rence f in in dixmis $22^{\circ}$ E., zo linke, Whence,
 hetween-ectians $16 \times 21$, ar station 105-70.30.
$79+06.20$ the cormevto eec. 16,17,20 121. 85+00.00 leave the Cedarinump.
 between sections $16 \times 21$, a wood hub for the corner from which hear the Following U. S.73. I': White pine, 30 in in diam (stomp of windfall) $K 1.11^{\circ}$ East, 123 linker: W. pine $30 i n$ in diam (stubof) $\& .76^{\circ} E$, 56 lists: Thence: Left $0^{\circ}$
 station 132-38:30:105+70.30 She $1 / 4$ b. comer hetrveen Secs. $16+21: 107+80.00$ Enter large round marsh: 109+00.00 Leave the marsh: $117+80.00$ Enter large round marshr: $121+00.00$ Leave the mach: $132+38.30$ the carncreto see. $15,16,21 \times 22$, a wood fetake jor the corner, from which hear the following H. SB. Ti:- Yellow Pine, 20 in in diam . (stump of) $K \cdot 26^{\circ} \mathrm{E}$, 33 linter. White pine 12 in in diam (stump of) $\pi$. $64^{\circ} \mathrm{W}, 45$ links: yellowpinc, 16 im . in diam (fotumpoff)\&. $18^{\circ} \mathrm{W} .49$ links: yellow pine 18 in in diam (stump of) $8.471^{\circ}$ E, 104 linter: Thence Right, 0236, os \$8629' ., between Sections $15 \$ 22,2766.20$ feet to the $1 / 4 /$. comer bitereen erections $15 \%$ 22, as elation 160-04.50:-132+38.30 the corner to Section 15,16,21×.22:160+04.50 The $1 / 48$. earner betucen Sections $15+22$, a wood hub for the corner, from which bear the following U. S.73. I': Yellow since 1 sin in diam, (romaine) S. $48^{\circ} \mathrm{E}$. 19 links: yellow paine $13 i n$ in diam s. (stub of) $1.23^{\circ}$ E, 55 lints: Thence Left $3^{\circ} 3^{\prime}$ or $N .83^{\circ} 26^{\prime}$ E. hetincen lecce. $15+22,2499.70$ feel to the corner to deco. 14,15,22 +23, ar station 185-04.20:160+04.50 the 1/48. corner between secs. 15r22. $85+04.20$ the corner to Lece.14,15,22x+23, a wood stake for the corner, from which hear the following U.S.B.IS:- Yellow pine, 12 in in diam.. (burn twp)
 diam tetump of) $\mathbb{K} .41^{\circ}$ E., 64 linker : Yellow pine 18 in in diam (stump of) $\mathcal{H}$. $41^{\circ} \mathrm{W}, 174$ links: Whence, Le fr. $2^{\circ} 34^{\prime}$, or $\mathrm{N} .80^{\circ} 52^{\prime}$ E. Letrveen Sections $14 \times 23$,
 $1 / 6 \mathrm{~d}$.corner hetcucen the dw'/4 of Sec. 14 and the HW'/4 of dec. 23 , a word hub for the corner. No 13. Dis. Whence, Dight, $91^{\circ} 21^{\prime}$, or, $1.7^{\circ} 47^{\prime} E$., betrucen the $n \varepsilon$ '/4 and piw'/4 of the nw'/if of Sec.23, 629.90 feet to an angle paint, ar elation 204-58.40. $198+28.70$ The $1 / 168$ corner between the $1 w 1 / 4$ of bee. 14 and the nu l/4 of dee. 23 . $204+58.40$, the angle point, a wood hub at the angle. No 13. Ni. Whence Leap, $69^{\circ} 51^{\prime}$, or $8.77^{\circ} 38^{\prime} \mathrm{E}$. 4.38 .10 feet to an angle paint, or station $208-96.50$ 204+58.40 angle point: $208+96.50$ The angle point a wood hub ar the angle: Ho T3. In. Thence, Tight. $61^{\circ} 26^{\prime}$, av $816^{\circ} / 2^{\prime}$ E. 423.30 zech to a paint an the line between the $\pi 1 / 2$ and the $81 / 2$ of the nw '/4 of $\operatorname{Lec} .23$, or notation 213-19.80:208+96.50 angle point: $213+19.80$ the paint an the line between the $n 1 / 2$ and the $81 / 2$ of the nw $n / 1 /$
 3 $7^{\prime}$ ' ., an the line between the $n 1 / 2$ and the $81 / 2$ of the nu'/4 of dec. 29 . 839.60 fl . to the $1 / 168$. corner between the $\pi 1 / 2$ and the Sw 1/4 of Sec. 23 , or station 221-59.40 $213+19.80$ the point an the line between the $N 1 / 2$ and the $81 / 2$ of the mu'/4 Sec. 23: 213+80.00 Enter marol: $214+30.00$ Leave the march: $221+59.40$ the $1 / 16$ Sever between the $N \varepsilon / 4$ and the nulls of dec 23, a wood hub for the corner. No 73.2 . Thence, Left. $2^{\circ} 7^{\prime}$ ar $\pi .80^{\circ} 30^{\prime}$. . Letween the $7 / 2$ and the $8 \frac{1}{2}$ of the $N \varepsilon 1 / 4$ of Sec. $23,2678.50$ feet to the $1 / 6$ \& corner betevcen the $N \varepsilon 1 / 4$ of bee. 23 and the mw'/4 of Lec.24, on station $248-37.90$. The corner in a march. $221+59.40$ the.

 mavah: $235+7000$ Enter mareh: $236+25.00$ leane march: $238+10.00$ Enter marah: $238+6500$


 ne/4 and the zul/4 of cec 24 , er etatian $276-22,30: 248+37.90$ whe $1 / 6$ - cornev hetureen the it $\pi \varepsilon / 4$ offec. 23 and the nu'/4 of bec. $24: 249+3500$ Leiane the marah: $252+00.00$ Enter mareh:

 $216+2230$ The $1 / 10$ bequer hetiren the $781 / 4$ and the nul/4 of dec 24 , word hub for the corner


 the nw $1 / 4$ of cic $24: 283+80.00$ Enter nainelw: $285+25.00$ Leave marah: $290+75.00$ enter mands $292+60.00$ Seave the Marah: $294+55.00$ Enter marah: $295+3000$ Leame marah: 303t29.201
 n,, Ho wrar eetablichid hy the deputy caunty purneyon, a wood ptakefor the corner. Survey begain guly 3, 914 .
surney finiched guly 18, 191st
Senneyoré Centificate.
2, Gaie. O. middleton, a munueyor, hirily certify, that $b$ surweyed the centen lime of the road described in the aboui field rotes and that the dictances aixal directionereturned therein are covrect to the hect of my bevouledgic and helief. Alos. that the accamponing jelat is druun therefrom ame is a true representation of the said center line:. Gas 0 Iniddletin

Wated this 10th day of march 1915.

## SURVEY PECOPD NO. 344.

 noter of the previnow unncyo in the micincty yf and adjaining dedion $\% 142-$ 31. Manday aperil 9th, 1917. Worat in the gyfice cuorking on plate and mate of lietion 9142,31. O.M. Fred Eninduel with car take me and cutfor to Moro. tract about ane mile tw.w.ap manic Oinch when the rasd hecomee impacsible. Brindall returne to Walter and I cervy a part af the outfir to thene O'camellis asd ritum for the nemainder. At Dicue b'cominelf,


 right wed to 2.m. at cannevaf rectiono ot? 16,1$\rangle$ foreaight Ead and
 wich trincit ower ? Mi. at comer to cectiono f $9,16,1 \geqslant$, sig he cact andwer Y/b comer betencen lestions 9-16 and turn lacthead angb 126 degreee 35'and mow horth 43dggreev 10 'vas. over an outline prabably run hy
 488.3 an old hib an line. I81. 5 at wovd stud and tack mold hub a ato pafuch. 10850 center of Each and west rosd. (toto road) 1358.6 eet wosd Hinh and tack and Nel hub rele Each 0.3 fech. 1552.0 aw lle hub sect if

 follawing hearing twow. lact Oime $5 \pi 79^{\circ}$ wrelimke $=9.24$ ft. Suctsine $84 フ^{\circ} 817$ hinke $=11.22$ fect. The have noth heen neav wny fuaft minn timber, all timber along an lime hing berpple, and Sinch except hugand und 1582.0 Thath a few Howney Brine-trew and-etrongh about
 1972.5 hordh in abaut so ject dowch of lake chowe of Reed Labe, to we losk
 and follwwing bicaring treew. F. jine $6810^{\circ} w 200$ lindes $=132.0$ fect. I pine 88 30 bact 244 linke $=161.04$ fech. We find the thomp of the
 fut muke are washed ansiy. Teach etimpos are at waters edge of purflawed land and check fuinly well wiet ut i. soter at aboat 50.30 . Var hat retting the evinen at this tur. the line waced pase sod of hoth stumper. Iret a paint fram thece -dumper by cauneer fram our line after after which the etwmips etand as fillowe. (uncing. the line an due rooth) S. Gi-ctump $81^{\circ} 20^{\prime} \varepsilon 171.5$ jeet. SWintump of 80 $30^{\prime}$ W 13 ? jech shis joint ic directly oner an ill seavall tivhial in siwunder water. We chain Thord to this point. 2090.0 enter water
 prev this point ol briksight louth on line and reveree teleceppe and tom
 Gunty lunveyor) line deflecto Each 35 degrees 50 mincuter

As the sice is gule of halex a triangulate the lake and sumange to get the distance to the dection comen if 4, 5, , 9 , tiy vighting on rection comer. racksight turn 90 degrees to the defthand ret a paint on ici (tubl.) a distance equalsisod. 9 peltegmale baie linie. Ser thansil

carner (pt.73.) Angle 81 $^{\circ} 05^{\prime \prime}$. Zawequals 6. 3.73.74. Zan X Paree Line equale 1635. 6 feet, equals a distance fram Bempl. In. C. to cruncrof rectionc..4, 5, 8, 9. Wednesday apwil 11 th, 1917: Forsh wirch same outfit and crev: He ladk for m. C. no. 23 where H. S. notex call for' post and Jollowing Pearing trece. Blact Aate $10.827^{\circ}$ vo 57 linter equale 37.62 fh. Bladt Gak $7+48^{\circ}$ waslinks. $=$ 3.20 feet. I find aat $10,827^{\circ}$ wblown doun hearing an ped blaze, but marks are all decayed ascd warn aff, and about so fuet auray, so 2 do not uce it. dset a post about 15 feet in lutee from the 10 inch ceat for M. C. Mo. 23. I also set a hib is fect west of this conner an lince with corner of rectians $\$ 5,8,9$, Ro 2 cancee it from B. H. H. K. track. Iret trancit on R. N. My track on line hetween corner of eectians 4,5,8,9 and M. $C$. Ho. 23, from this paint an track, Itriangulate the surmp, from the track hytwo triangles to abtain the distance Etween pection corncn and m.C. Ho. 23. Chain Horcherly an trach 300 feet to ph. C., transit on Pt. A. Sight vest to eectian corner feh. 13 . and turn $H . w$ angle 53 degreew os' to ph. $C$. Let traneit over Pt.C. and sightion Pr. A. Turn angle to P1. P3. angle equals 950 4i' (recond triangle) mith trancil at Pt. C. sight to Ot. A. and turn angle to stake awline near 7 . C. 23, heing Ot.N. Angle at $C$ equala 32 degrees $04^{\prime}$ Angle at a.equalo $26^{\circ} 52$

Inowtake trasuit to cornew of Sictione $\#$ 5, 8,9, in swamp and eight Sacch to M. C. Mo. 47 ow ice and tirn b. We angle to hub on rection fline an b.n. tract, angle equals $92^{\circ} 00^{\circ}$ fram this coriser ue chain Souch to the approyimate phore line at lake distance equals 561 feet. Nawn go to walker wich thie information to get Sreenei apinion aw the eectionline fefore running any interiov linces. Koral and Ereene in agfice until 100 M . E. B. Housh.


$$
\begin{aligned}
& \text { Thureday april } 12 \text { th 1917: I work iw apjice on calculations until a.M. } \\
& \text { l. Ereenc inetructo me to take anather hunt for the } 1 / 4 \text { conner heturen }
\end{aligned}
$$ 8. M. \&reenc inctructo ne to take another hunt for the $1 / 4$ cornen heturen eectione 8 and 9 , and retern to the appice wich the information befare daing any more urark. I voale to O'Connelle for dinnev. Pin. Haret and stene O'Connell loak all afternoon for the $/ 1 / c$ coner hetucen Rece. 8 and 9 , hut find nothing. I retcun to Walker and find Encene in nece. nadin Down. Anernight in Walker. $\quad 13$. Thorst. and find Erecne ie nodin

Monday apwil 16th, 1917: tualk to of O'Canelli place to finial
 dections 9 and 16 , osight to connen of sectiones $8,9,16,17$, and tivn $N$. 1. angle $53^{\circ} 25^{\circ}$ and run line $N$.W. jarallel to cectixuline at 58.0 centen of $M .4$ 2. R. Re. E.+ W: at 337.4ret hub and tack: at 599.1 ect huch and tack: At 806.6 sek ptake for centei of Sw'4: at 935.7 xel wood hinb and tack: at 1198.1 rek wool hut and tack: at 1613.3 rek urood $\operatorname{Hech}$ and tack for center of wesh $1 / 2$ cection,



 $125 d$ greio 12' and mun'slime Eact. 2542 fh Eavo rel wovd hubrad tuck Set.




 I/6 hinei. At Stw. 1599.2 fa: Horth w Wedtllo line Isend flagmen acmase
esimape to eel hub an ie. Te track. Guil fos night. \&. M3. Toret.
OCHedneiday apinil 1 sth; 1917: R-anati, trancil. Sterie
Curell tr and fri hath aceisting une eantrinue $E$.
Whine Each thwn pectix 9 . 2048.8 pet wand hub and tack in center of h Hivy, W W : angle 51 degreer $35^{\prime}$-leanuenvampa $\leqslant 20100$. 23000 enter Iulaine cuampe 2662 . 9 cet uovod hub "andtaich an eequall' ${ }^{\prime}$ feek ivide 2960 Lecch Lake Uuéhain Weol lk hine, arid Exwolyline to sta. 1613. 3 and find $\theta$ sivade a mectake inituming the aingler firvithe E. \% wo $1 / \mathrm{sline}$ at tha sob: 65 fl . Nouth on $\mathrm{W} / 16$ linc Spet a huh in true line for the true $\% / 6$ cornevi(center of Suik) Tirn mortheast angle 125 degrees $5 \ell^{\prime}$ asd inin Each to $\mathcal{E}_{1} \pi$ Ry tract Guil for might E iss torot.

- Heuroday april 19th, 1917: Paizo all day-xio - wort ar b'Commeld all day E...73 Ttorst

 and chaini. Continue lourd $1 / 6$ line of Leation g, East to lake ...630. E. enter
 Wh Eas nu, wood Thb and twok: On rorth Banit of Leech Like: He walk to wit corncr to $m$. No. 46 , where d. line of tectionis, intereecte Leech Lake, ind inin a meandiv hine Horthinly along alou of lake whoth traveil anes Wil comev, deight vion lince ased then in wingle
 Left $12^{\circ} 08^{\prime}-377.2$ ft Whence Right $12^{\circ} 37^{\prime}-96,7$ jt: ared intercech bud on fouth $1 / 6$ lince Sim ingle equale 200 45'. eantimue muander line
 Thince Lept $8^{\circ} 55^{\prime}-204$ ofh thence Left 62015835 fli thence Righl $43^{\circ} 35$
 104. 9 fh Right $40^{\circ} 37^{\circ} 596.6$ to hubian E 4 ve Vivine. Hhence difh $50^{\circ} 5$ '
 True $1 / 4$ line : vu virilte to a painh where the tacoh cectionhine of dec.9. isttreecte the B. M. My and chain Horth an tract. (Curve at 0. P) an 55.8 .6 .7 end af cusver at 998.674 . Sacctl $1 / 1$ line cintersecte Re R $\therefore$ an 1648.6 jlim hine intersccts SiK Ry, at 3202.6 Socith end of Juridge
 Section 9 \& Brash.




## 526 SUPVEY PECOPD ${ }^{B}$ NO. 345

Sec.s $1-2-11-1$ k-13-14. T: 140 NP P. 26 W
Mbill 19-1915 to Dhan al 1915

$$
\begin{aligned}
& \text { W. Mreene, Transit } \\
& \text { Harve Winger) George Blubm ? } \\
& \text { Mat Moser }\} \text { Fhan }
\end{aligned}
$$


still bloin." Checfed this stake and found if correct and set new B.T's os follows:
$w$ Pine ${ }^{\prime \prime}$ " s. 400 w 50.3
". " 4" w30 W 70.5'
Twin Birch 6" N. $10^{\circ} \mathrm{E}$. 60.4' -
From this corner I ran $58^{\circ} \mathrm{E}$. by the needle on a random line to
oid b.T.' Sb. Pine 10" N. SoE. C64lts, of which we finaly found the stumb plainly marted, and
Poblar ""s.34\%. H8", which was very rottien and tell to bieces mixh handing. I set
New B.TS' OAK $8^{\prime \prime}$ S.54iW 145.3
N. Pine $15^{\prime \prime}$ N. $79 \mathrm{~N}^{\circ} \mathrm{m} .21 \times 6^{\prime}$
N. "1 $10^{\prime \prime}$ 5.30ㅌ. isi,


secs 22-23-26-27-34-35 T U40N P 26 W
$15: 14$
$576+8.205$



530
SURVEY PECOAD No. 347
Sebt $20-21 / 9 / 6$.
Sec's 1-2-11-12-7:139NT 25 W
John Mr armeno Trmunt
W. Sifratton, L. Nentins and C. Goldsbery-nssistants.

Sta. 0
sta. $52+66$
$28.25^{\prime}$

Sta. $104+95$
17.5

${ }^{533}$ 烈

## PEMER - BEAR PINER POAD



Sec. $4-5138 \cdot 3 /, 32-33-139 / 9$,


21 s-e-c's

 rece.32-39-139.310ni Dupp line where orect a 2X48in. 2. Th and mound same withotone "nd gavad in polace of wooll.





 Friday hou10-1916-Ttorat und tinney contimuc tocel ? Thi at Jollmiving fote mounding eame where there


 Betition for a Dupp road to be fnoüwasithe Mus fensen road, dated gely 311912 , beginsing atithe nucars. of


 Sec. 34 mun nowsec. lines het. seck. 33.34 , veca. $27-28$, sece. $20-22$,-ceca. 15 16, pecs. 9-10, secs. 3-4, ale



 Fred shomiad. allowed hy Soun \$poard.

 Farling, Gohn ztarue, nono yencen, Hans brav, Henvy Luitew, Zred nod gotw Luiten, Ined zhomavia. I. Cascifly. iniltow loon, C.w. Slyea, A. সtamilton, M. Wahlquich, C. W. Fanks. allowed.
 fines het.rece. 24-25, eecs.23-26, 22-23, distance of 3 miles to the S.E.car of reec. 21 in said baum Signire
 Sherepetitions, 5 in number, ase all petitioned ins thic Lown to date, hov10, 1916. Trmelved ranney


 road, excepel roate Lam. T3. D. alsogone. new 73. Do. as followr:




 for cor toceve $1,12,4,7,138-30^{4}$ ud 31 , all 3 Bte have hien grubled out, are lying theside road. Sle ave an 9 in heride M., isturnp, which Lwill sellater, Dake train to walleer. Fare 497. E.73. Harsh. Pecorded May 29, 1917 Sohin MiGreene




 thence R. $20^{\circ} 100 \mathrm{ff}$. (9).



 thence Lyy $40^{\circ} 10^{\prime} 261.5$ ft. On highland. shence Aight $15^{\circ} 00^{\prime} 693$ fetcotentiv lowlend shence Left $22^{\circ} 48^{\prime}$ at 146 fh. entersmp. pretty wet, about 24 in deep: at 455 leave supp: at 552 . \&fect
 Friday-shenceR. $10^{\circ}$ (ingield) at 278.0 leave field: at 436.1 seithut: at 1056.2 set hut. ati 388.6 rethub: ar 2116.6 set hub: ar 27151 sel hul. thin heany, hardword timder, plenty mall hsuahi.



 tue cuhabaut 200 fech.

 wom whak was evidintly ainald compaxs (9)hicerninacth from car to bece
 olshindot Hult Laks Qbackeight South andrat a hub (oak) an hight hank at lake Me nun vi a viold line

 Carcow takes $69 . \mathrm{m}$ in boat and takesus to m. C. Nos 5 this hi tahes the hoat around into bullekee an Enide of
 antue rection hino hetween 16 and $/$ reetting correctis hiche fram danners rasedomecictionhine Rashom being rin fram the north and corner of bacith andsets 112.0 үeet wech of random. heictavice
 Nub 4244.2 feil Routh gues west 90.1 fut an true lince - Nub 4021 . 4 ft. Saicth grice Weal 55.4 fhantrue line



correction hub at 22.751 feei Dauth seto al o. I. of East and weshrvad line arid pection hine hetveen 16
 line Afoithivest angle equals 40 degreew $35^{\prime \prime}$ I divive $a 4 \times 4$ " $\times 3$ fiboplur post 2 feet inigrauned. at thispainit. Ine walk $3 / 4$ of a mile Sareth to Eull Lake.


hruvay Pine 20 narthils saet 35 iguials 23.10 feet
White eak : 6 Laith $n 6$ west 50 equals 33.00 feet
Ifind $W$ : Okk enag lying downinith 73 Di. plain, the ather markesckrcely visiblo. Salso find a norway stump with anaxe blage hut noxcribe marke lygh I set the corner frion, the W: Dak 13. 2 . alone retting a Wiank poict $4 " x 4 " x 3^{\prime 2}$, 1 long 3 feet in ground anolope of highibank 12 fieth horthizewstio and riarte new hearingo as follonve: Red oak ilnorthi6 7.30 'Weet 60 fert Thas $3030^{\prime}$


Wouble Red dak 12 Trovth 16 degreev Eact 64. Sfect. Irset thansit over hub an nandon line and sight



















Huse



MCA4




M644



IIC 52


Ea




 29-303132

## $1 / 4 \mid 505172$ 0.0 Roud




 graund and maunded with etone mannd fftin dinmater on the way tritto cavoonit Po tome. 4 sand drine à ${ }^{2}$ dyft. capped $9 . m$ and mound came capped $9 . m$.
tuiniched by stame theotisleyp. E. 73. Troist.
any. 19 th, 1 Ile. Draturnito walter, 次. Pe. fare 79t.

## and SEC's 3-4-5-6-7-8-9-10-1718-19-20in136-32




















 porce. I checlo meacuremento to $B$ B, and find same all right eodsine new postat comen.

 fide rection 4-136-32. Ue find noevidence from which to eotablintu a comevat thio point po upe follow Hup line weet looking fors hearingwandconcer, ar encry polace called for by th dincta
 the P.D. The measure from this ctump the requised distance and ret tomeil over ph. for cor. and" hois for cpucce stump, which oue forebal regrised dictance, it heing sothel to th
 pame. U. Smotes at thin corner call for Sem VH430 Wis. Spruce $16747 E 46$. 2 remast shm



 pround. Where is an old fence rumning b. and one E. the fence uavivilentlynun from thid





 Wride of vection $34,137-32$. marked hy 9 ? m. weth norch $14 j$ gh. Correcting back-















 fient this stump and carichecke for course and dietance. Shappears to be the only tam. around.









 2666.99 pt Eastaind 8.7 ftid of randombinc to uhich cuiceh.



 at joll riving carners in Luyp136-32.

 Bup linie also(cunntyline bet wadena aind cace Countier) ureet an $9.3 n$



DIAGRAM of TIWP LINE between 136\&137-32.


## 25-26-27-28-29-30-31-32-33-34




Friday fune 9 th, 1916: Forot thancil, Lew Karmumand Turt Teurtoow, Chaiv, Waltep farnumi flag, गula fencan and 2.73. Chick, asomen. We hegin at $1 / 49.2 \mathrm{M}$. Letween 22-i2\%, and reenlime weet at $9^{\circ} \mathrm{Var}$. to locate camev tosecer $2,22,2 \geqslant 28$, at1079:6 frat Wed pel hed

 Hearings aind chain distance requined Syyth noter, we find Dam. 78.25546 lying face down in the usater plainly marked and all the otherstimper huh nearke are thencel aff. I oek con


 Stake balance of crew and autifil and uralp to vicinily of cov. to jecev. 15, 6, 21, 2,2, where feneawand Furteon saw the to. 20, severalyrave ago. Me look for thein, butcennat find the place any more, so ve go to $1 / 1$ cov. Att 15 and 16 , suna compacel hine d. and chai
 S20 WII-WPine $16872 \frac{1}{2}$ E21. Wufindall focwntumpe hadly hurned, hut marke are stide
 again, ax there are notrees neav Guil for niglel. 6. B. Btoch.

Saturday ferne. 10 the1916: Trord, tranoil, L.P.tarmum and Burt teuteon chain, Fule fe and becar Iorglrean, ase. We take outfit and po to coner of cece.2, 3, 10, 11 , when we fine the



 Eact set hub: at sos. oft.Eash entevcupt: at 2333.0 gh Eash eet hubleave curamp:
at 3110.0 ft . Each at hub: at 3200.0 fl. Eact entercup: ar 3624.0 ft. Eact leave sups: ah
 cut out line running Savth cut outfor preliminary ditch scersey.
 balsam stimps het none thalchuct wich noter. Guit fon night. E. PS. Stoce.
Sunday-uarm and urindy-No uork- AI P. R. Farnumio all day. E. P. Htrel. Thonduy-fune12th,1916: Fonch traneit, Hurtean and Fammon, chain, Hele Jensasu bere Ale Adegard, axemen, Ascav lorgercon, flag. Ine return to Fub 5251.2 fl . Such hetweed
 Paplav IIS 28\% W16: Paplav16 S45E.d1. Tothinglepl of Taplar butctumpe andue cansot find any G. Pine, so ruecontinue lince 5 hituruen /and 12
 "4hetivens bece. 1 and 12, where noter call for n.P. 20.b41E T. W. Binch 520 20119: we find ar port of ans ald stake and the noruny 732 from which Isett a 4 " +4 "sy. poct for cou Sot transit over ruk n920 Each, haichríglet W. Wnsandomolince and tum f60 30"


Wethonnandombline to reh enmere by measuremente at cannerito $12,11,12$. We loak again for $73.2 \pi$ and find the g. Pine face daun in water. We ret upp the snag. Slocate the paint for cornevand


 10.2 fth from 5281.2 fh. At Statiaw 530.7 .7 fh. Eactconnevreeter douth 106.96 fh. Wue go weal 12 mile and reh'/4 hetweew 2 and 11. at Station 2653.85 ftr. Weet and 53.48 fh . Sof random hince. Kew


 of Sic. II where notes call for: D. Lanw: 8829 w. 30: w. Lam. $7 \pi 3 w 27$ : all timber hurned. E. T3. Hordh.
 and Ale Adegard, axemen. Hu set a hub near //car an biside of dec./1and cut line Each, Var. 9 anf

 8.82\% W34: Gielaak ververal hinviaid lavkilievery true and stump uich zao feel of virhice cornevehovied he, bul finelniathing. Continne line Eand begin to chain carefully, allouf



 at hile at 3885.4 fh Enatret hilh an hill: Gull for night. 8.73 Horat:

Wednesday Gine i4th 1916. Hasisl ancdeame crecer Me cantime line sast between
 cornev of bection $12,130-32$, on inp line, where hates call for: Paplav 10 north 60 Each 53 : Paplai 8N550U121: WPine 12. D. Sowin8: Paplar 5880 sast53: Ofind the stump of a peoplar withia blaze facing thi pet uhine carnev is ehoun on mape. Iretern to get tranail coming pach wioh trancil Sistep an tope of stake. Igeull steke ach of urater and find il to be old


 randam line where I set up and hacksighl ow randomeline, Ireversetelexcope and turn angle North to Sec cov. Carnevectu north $17^{\circ} 42^{\prime}$ E 322 fh . ar sta. 51058 fh. Ecovineto norch 68.6 fl . Wir retuon W. to a hub 5354.4 fl . W. of above carnevand on same Ex whine. Set tiancit



thureday fune 5 ch, 1116. Sain in A.M. P.M. Nord, Lew Farmum, walter Famum and de osdegepd po to hub 2608.8 ret yeoterday, and cul linc north lictwen Lece. 11 and 2 to car. 1211112



2502,

Friduy Gune 16th, $1916:$ Forat, trancil, Hininum and Pinition, chain, Waltes Jarnum,
flag, Nels gensan and ale odegard, axe He go to tiub near conner of 11,121314 and start

uning north, Farnem and Buntean finich chaining the line, rimning hardo



























isimdan linesiand take reichearinges as follows:













 ginerne over night EDB Thach







 HaturdayNlec. 23nd, 1916: Dpay Htatel bill at Peguat 1.00and hire Rayandercowwith whto to take me sele

 Tuhat 109.8 ft. Egou bo.1. Eofth Seet trancit aver of m at carnes to dick. 29-20-31-32-Guil for right. sunday, olec.24th,1916: Tout, transit, Chas Andeson.flagand axe, Fredlaynolds, ase. Tue Kegins allor.









 Whanch Likw: at 2460 ft F. P. Mn. arm.C. no.52. E.P. Itrot.
 wind and enswstorm dlighely weh zil. Norsh





 Hec line and ho. tosta. 265 , where nue ret thub onras dombinc and twic ur.


 line of new Hups. Road Lo.of Sta, 3 . arrn 62.0 ph. Senter pond: at 1983.0 ft





 margaret. Lake thore io fth So. of a frame hillinig, vihere ve set a 3 H 36 in . Ippipilales onealpelace gf


 andret trancit oucr an de vignated point. Backsight on hublal 576.5 an true lince and ruen line E.








 Wilmeaday $7 \mathrm{ch} .14-17$ - Ho wh winh $z$


## $0 m$

 at poraperdistance. WaekE. to new Iupersadand Sto nline ofroacre tract, previonaly surveyel. she Pis.




 ffe S. set bim opike and offect 2 fr. W.tomisularge tree at 654 eenter of $\pi$ : $\%$

乡ullslake ar1015.sthersetrpike ar 1294.5 ft. Sestopike ar136.5.0ft.
 feetrañif ò uev this Lhe and runtrue I/lime S. to Eull Lake arbta
1328.6 f.crassd bdryof oacretriact 34.5 fh . Wof SE.cor. Drangle $=69^{\circ} 24^{\circ}$ at it
 phove (aide hilf)and awlathinc parallel to late chore teing $56.2 \mathrm{z} 1^{\circ}$

 fine, wheredsight wontrue "slince tunswangli to no.e.ond.V6 line.

GOV'T LOT 4 angli $=81^{\circ} 07$. at $9 . \mathrm{m}$ atole car. of Eocit Latht. Hwangle $=99^{\circ} 0^{\prime} 6^{\prime}$ Gughe
 Sk. angle $=89^{\circ} 22^{\prime}$ (true linces). Guit jor night.

Saturday, Feh. 17 th, 1917: Waret hises V.e. Carran wich team to tabe him and putfit to Pequat. O pay 9.C. Curson 12.00 for foard, labar and Liveny Itake p-oopm. traiso to Walkes, arrine al $5-30 \mathrm{Pm}$. at Curón axce night Pr. P. pace fot. 2. B. Ttorat.
AL
 road aw Documbline, theingtrain at midnight.



 Roschergi, where we make incungemento it board. as Mosobugt for rupper, aidover night.


 harway pince 10 thareh wect 46.9 fti. how way pince 10 bowch wett 105.0 ft

Suesday.Miach 14 th 1916 : Same crew, we continue Down lince do. chaining seetting NHabs
 enter small Im meusipp Whather pretty coal with an occasional ensw flicrey.





 reverse tedescope and start line Sh. heing jearallel to randon, juel fincished, we cal line bouth hul do nat chain. E. P. Traist.

Shureday. March 16 th 1916 : Houth thanait Euder flaqand chains. Tu chain th. fine SE.car. of tee. 25,140-30, on Dup. line: ar 25.0 ft Lo leave emale tam eupp. at 353.2 f4. Lo.



 it nextto impossible to find them. s. W3. Wowh.

Iriday, maich 17 th, 1916 : Same erewr. Lo determine pet for 1 cormev an E eide of tec. $38,1 \times p-30$ Udecide to continue Range line South to sfe conevof Iup. $140-20$. Nue nuw line Lo. Wed do nol hain, crocin creete and come to small lato; where K. S. Nater call for no. with one yinchatem 12. me find a fewreniall treic butno B. Di. We also lock on wesh, douthond Enide of lake far m.C. bult find none, so we bring thancil and tools back to theb 2236 gh Sach to ded log nonde, and return le peascbergie for night. 2.73. Khset.
 If Sec $36,140-30$ and starhandam line E.thw dection. Setting ofeike for sudar vecull line bat to not chainu cut hine ahach half way acraes section and goil for wighth. S.73. Thereh.

Sunday, Marchirth, ir1": ai Reichand Rasedergós. Ho uonte.



 pide of fection 36-140- 30 and chain random lince previmely rua the the center ghbee.




## 556 3 $55 \sqrt{3}$













 Richaid peosolieig Linery-, ERP Whoch




 Qainge line on E. side of Uubbokev. Shey putin same stakew and find huhs and stabes proviowely


Mondayaig ivel1916: Raine nearly all day. Curojigncerearrections and wako ow hater-
 Wutblate to manis fansin, thencee to tuno tonaldsan'e and thephonee chas wood lo meet him with auto Cura-





 Gus ape eveiv Bailey oned trosel in ansther Gusouses Alre thancih and 100 frot chain. Noutueio Surley zrancit and 100 Jt chain gohw W. Curo

Nototivith Emiley thaxeit and outfit leacue Walter on 9-300.Mitrario ivith cicro for thactemache.



 of road, which rue will take after soad waijin deaced gftree and bucch. He reach pt neaw
 findmone. Avermight wich ofpericer.

EB.Housh

 home andeas 2can get no ane to kelp me, Ryoand distrifute ieon mommenth alougrange --






range line $=1$ ftiul.S. chain $=.99919$ of a fiot wer chains correction $W .=.0060$ fth freveach frat So. Sretienn to Paileyes cottage and get my supper. Bailey haw lefr pervicisns for several dayo ancd gai ardere to ruce them. After supper lsaw acracs whb Lake to get so mieane to help ruvvey and after several placen I succed ingetting will Berggreen. Hetwon to Baileysi ak 11 -150.)
 Wilb Berggreew, axe, flaq and chain, wecontincue cetting $2 m$ and road centeregaing. hon 2 . line.


 centers around E. side of a sup. containing a lake, roal centers being $33, \%$. fromedge of a












 Shanc lept, and go to chac. Berggoenio place for mpper and ovensight. after supper thine












 monday auguot 28th, 1916: Fonel tronch and chain. Will Berggrem aperchain. D at trancil an a hub near pt. for do. Is concevan U.eide fole. $19-140-29$ and right dind Finded rad to dw. camer, eame section, revince theecpec and cut a randons lins



 comev of tie 19, ales set a $215 \times 4$ gh capped 9 m. dwivess "simin ground. E.73. Trond

 Fintonkisud Rusel

 we could int find in muchis sol, on account af deep enow. W. . notw cill for past and following 10.2:;

$$
\text { sum } 14 \text { routh } 65^{\circ} \mathrm{E} \text {. } 4 \text { equale } 2.648 t \text {. }
$$

$$
\text { Dam. } 12 \text { youd } 41 \text { W. } 36 \text { equale } 23.96 \text { ft. }
$$

Sfind ME.E.tam Maxi. uperooted and lying an grund with scribe maske tumed up veryplain

E. 23.76





 complete une setum mithoutfit to chas Berggreen'sforsupper. Apter nupper Reall chas. Wood tocome, and get myellf and autfit with his cav wood is ant gf town. Bernge Bannity wich teamitakes me to stackensack. Charges"2.50. Eo to cheates Barsity's stritil. E.B. Stord.


SURVEY PECORD NO. 356 T. 140 N P 30 W


 at 7703 ft. E: a hub: at 1118.0 fh. Einter meadow: at 1850.0 ft. F. leave nueadow at 24016 ft. E. a hub. at 26276 fh E. an old


 acropelake at 5267. scornen to sece $89,16,17,140-30$, pete $\pi, 43$ ft. quil for night. E. Soret.

Thivis. Aicg. 21, 1916. Wtarst writh transitaind chain Gax. Meull, plagochain, mike kilherney.axeman On $n$ bdry line of bee. 11 , at Sta 2633.9 gh E, Iket
 Honqay Pinc $4 \pi 20^{\circ} \mathrm{W} 28.2 \mathrm{fH}$ Poplar $6835^{\circ} 25^{\circ} \mathrm{W} .2 \% 4 \mathrm{fh}$.
Wego w.i/4mile at sta. 1316.95ftEandretan 2. M. wed $1 / 6$ ar ( 2 in.xyzh) We setallong pole at thic cou and goto "tcorn ond.side of seci17-rethigh pole.
 Isettrancit an hill bet corners aind secta line of hube ontrue will hince. Ue go
 water ) IE angle at $W$. $/ 6$ corncrion $K$ side $=88^{\circ} 58_{n}^{\prime \prime}$ runsid. on true $W$. $1 / 6$ cor. on N. bdryiline. Rune S. antrue wir $1 / 6$ line 1170 ft. Therice Le ft $36^{\circ} 11^{\circ}-153.7$ Pt. thence Right $28^{\circ} 12^{\circ}-115.4 \mathrm{gt}$. thence Right $12^{\circ} 0^{\prime}=11.9$ Jt. thence Rijht



 bary. line of Rec $1,140-30$. Meacurementote the abonecourels ruere uot taken today. E. B. Nowt.

Sept:1-7riday, 1916: Horot and Gaw Miell legins at 11.10 .0 fl. So. oniv.l/6 cov aisd chais cources of road ax rur yesterday, wioh trancit aid which are recorded in their propen peacee is diagram in fh cohums. Set 9 mi. an road lince at jallowing pti. heing 2in. X4pl.bailer flues, driver in ground 46incher ane. at sta, 1170.0 fh do an true $w: 1 / 6$ where raad leaucaline, ane at wiv. or.se.in pt. whire road intersecte ture w. I/ 6 line d.of mallelake, road. thenfollous $1 / 6$ line 1433.4 St. So. near $\pi$. nide of lake where me sit an 9 roadileaner line mu around $E$. side oflake and again interecto $1 / 6 l i n e$ 5442 ft north of west $1 / 6$ eaines on slo side of dectianiv-isherc ine pet an 9 nlalso ane at ne. couner of Rection $1 \geqslant$

Pim. Returnito Ualker, fare $33^{*}$



 chas Hhen' place, whese cur has made ascangemente for boud while on the suevey of deel, $135^{\circ}$





cange 3 , hing ales the ww ios. of tes. 6 , we dig thre oflof ice and enawend locate $8 \times 8 \times 166$

 5308 ft. Do. der cas. of dec. $b,(8 \times 8 \times 36$ cument momment) acto wr siogt lectalliched by curs.
 at 1300.0 ft. E.set apike: at 2600.0 ft F. setepibe: at 4000.0 ft. Eset rapike: at s. 71.0 ft. Erat apile
 E.ect rpike at roopph Erectrpike ow hill: at 2600 pt. Enectspike: at "soo ft. Fiect op ike: at 5200 .
 measurement. 8. 33. Dtorat.
 mefarling, are: Itumangle $90^{\circ} 36^{\prime}$ from do dectionelinc to the and rem line 3 , at $5^{\circ} 30^{\circ} \mathrm{Jme}$. at




Pind of intercection. E. DP Stoot.
 Sec.6,138-31, where Curo formerly had a stake-take Jolloving reference poiscte

29ㅌ. Ho treee neev. Take crew andset comere arousad anteide of receriaper diagram i, sys, to $n$. $/ 6$ can. osill side of Sec. 6 , and set thancil mes cosmer, nigllet
 n.1/6 on Evide 210 gt, due to tuming adjacent angle to the one a! figured. P.m. Raine all afternoon. Th urobt for csew. Irite noter and jiguse angles for 16 lince. S.B. Xorst.

Friday, march 31rt, 1916 : Howst, Hanks, Enove, Mizarling
 tike the following heasinge: tence posh nE 3 sft: Belephone foet




Saturduy appil 1 st, 1916: Rowt and came crew. Iret trancit over zpike seifor to.l/o





Linday, aperil and,1916: Koworte. Horet at C. we Hnstei all day. Tlay wrerm and bright, enourprelting fast and all law places full of uratew. E. B. Thost.
 ve. At $1 / \%$ cornew an $n$ neide ofdection, I ect transit and sight to hortheact lectiawcarnew aned turn LE angle $91^{\circ} 05^{\circ}$ cutting frueh and petting PO9. Tubls atisiterectivn on Eask aned Wect incteriorlines



 F. true $E$ I/ 6 comewsetw west 8 fit. Guit for night. E. B. Thast.
 falso Dupline) and sight to nur Lection councw and ticnduangle $88^{\circ} 55^{\circ}$ and run west $/ 16$ lind fouth thre cectionrettinigihula at intersection af Eact and Weit linew. We intevect dsectiasu hind at true wext $I / 6$ carnev (no carkection) making a trueline. Pm. Caee Cuss by telyphane in regarde
to 9 m' for dec carneve, but can't git them right auray, eo ue eet 3 " $x 3^{\prime \prime}$ " $3^{\prime}$ 'wood poots at ale interiar carnere, until uve cain get 2raw monumenter. Beginning atintersectionsof north $1 / 6$
 of Eact $1 / 6$ randamelineand sacth $1 / 6$ randaswlince ticce carnew goee lavth 9.76 ft and Weet 2.03ft. At interection of rorth and Saceth $/ 4$ randombine and dacth $/ 6$ random line twe corner gace 11.66 ft . Westand 6.33 ft . Sacch:
At intercectiose of Eaxt and Westand horth aud Sacch //i randonn lines tune carnev gree fawth 11.43 ft and west 7.72 fit. Guil work at 5 -30formpper. E.B. Horat.

Wedneaday Gpril 5th, 1916 Harat, transit, Clasence Kashes ased fohn Brove, are and pech. Fue set the remaining interiar corneva. at intersectian if bouth $1 / 6$ randan line and true west $1 / 6$ line twe cirnergace south 2.9 ft. from $P$. I Bulv. at interscition of true West $1 / 6$ and


 overnight at Carlean Hatel.

Thuraday Apsil 6th,1916: Horel all day at Curai apfice writing noter and figuring acreage of dection 6-138-31.
Linner at Cacla an thatel $35 \neq$
Bed at Carleon statel 504

12
7


 flovie stalton, chain, Clnence stetten flag. Begin at corner to sectione 35-36, on 9 the standard parallel letween iuppe. $136-13 \geqslant$ range 30 , heing ans "is" C




 to he found. new 13 2' to comen to decer. 34-35ase aeghllove.

$55^{\circ} \mathrm{E} .65$.fh. wich tiansit an point 4256.6 weet 2 set a hub prearne line it Sta. 430.2 .5 west and 49.1 ft.3.1.fCor. pect transit muerthis Buband hacksight Each Reverae,

frimning rocch 15 fhe Lowch a road rever West $350.5=$ pet hub anden tack.



33
Plat of Survey Pecord No.358il


## 2

Thursday July 6 th, 1916 : John Clark takes" corot and survey outfit to State road 2 miles Fade
50, wherea.w.mouldev wranter sane dec. cannersectabliched for ditch purposes.
P. M. Prualte to '/4 coarser hetercenisfece. 1 and 12 and look for 73.7 . where 41 . . notes call far:
spruce 8 north 4 Eact14 n. Pine 8 Such 16 East 16 . all are gone, timber and stumper
are all horned to canes. E. B. Trout.
Friday July 7 th, 1916: Stake instruments and walk to sw. corner, Section 1 , where ir. S. notes call for:

$$
\begin{array}{ll}
\text { Lam. } 4 \text { nard } 74 \text { west } 17 . & \text { Lam. 4 Saith } 35 \text { west } 12 . \\
\text { Lam. } 5 \text { north } 78 \text { East } 5 . & \text { Lam. Sarah } 69 \text { East } 14 .
\end{array}
$$

find we, wand SW. B.D.oturppertill standing, but the course and distance was improperly recorded by. D. Engineers on account of trees being too chore to instrumental to determine exact cacceev. The distance vas evidently estimated, bul the old U. S. Past is at theariginal place. I pull up ald Post and ct new Lam. post in its' place. Kew Is Is. as follows:

$0 . m$.
 sam. 6 Louth $9 \frac{1}{2}$ West 18 Dam: South 18 产 East 48 .
There all full inside the road linicto of the State Rural Highway and revere destroyed. if any remained. E.B. Ttarst.

Sativeday Rely fth, 1916: Iget notice from 8. W. Euro to retie to walker. Stake Leader-
motley stage to matey. fare 504. A. Pi fare motley to walker $\%, 52$. Super and inner 50 4 pope at chase ratel.
E.B. Hornet.

 Fard can livice to the crmer of rece: Tand 18, Lupp.140-30, and secs. 12 and 13 , zupp.141-31, where teman troulean, alhert Hancen and clasense Buieradofer join wa. Me walt $t h$.
 |11-31, where we find a usad past marbed and livew ints the grownd foo the dec. concer, schech this up with the remains of the $\mathfrak{z}$. . . Weavinge at this paint and find the comer to be a.x. U.S. noter call for:
WURine sonord $12^{\circ} 30^{\prime}$ Each 71 linkes $=46.86 \mathrm{gt}$.
Wu. Pinc. 30 north $1000^{\prime}$ Woek 32 linber $=2112$ ft
7. Pine 24 louch $29^{\circ} 30^{\circ}$ weet 166 linke $=109.56 \mathrm{gt}$.

FPino 20 douth $14^{\circ}$. Eact 82 linke $=541.2$ ft
Inag of the He tree dill remains and stumpsiaf the Ho and Sw thees still semain Prind a man novech to "/ caincri betincen reccil and 6 to erect a flag.
 of bectian comer, a les a hud rorid of a mmall lake, lying on bec line setting thancit po hubi 592.0 fh rovth. Backsight Sovad, veverse Thescope and tum left $54^{\circ} 3^{1-}$ 113.1 ft. Thence left $16^{\circ} 57^{\prime}-96.5 \mathrm{ft}$ - whence legt $12^{\circ} 50^{\circ}-114.2$ ft. - Thencelegt $62^{\circ}$ $05^{\prime}-329.2 \mathrm{ff}$. To Sec line. Angle equale $37^{\circ} / 5^{\prime}$ to section line
Finich at 4 P. 3 and ncturn to Walker.
E. R. Woret.

Latitides und rlepartivees.


570

T:141N.R 28 W SEC'S 1-12-13-24-25-36
Vownship 141, Range 2\% west 5oh o m.
Fifid Boot No.'90
Page 26-48
Thureday Maxch 4th;1915: Leave Kacknsadt for Rew clankis place sica Longviller. Trake drouf met
Iriday Haich sth, 1915: Igo to Roy Llenoreis farm to employ hiris to curvt and sunvey of Pange
fino betucen rainges 27-28. Nerrovend Igoti andy Fordi and find hinn not at homer. Tue qo to the por. To sece.19-30, Kup.141-27, and 24-25, Jup. '142-28. Ifined post pet by Lurneyowandiron marked.


 ales inow marked by lates nurveyov. Iue go to $1 / 4$ cav. Sutircenidecw. 19-141-2 19nd 24-142-28, and find einwall stake set by durneyou clark. N. S. notes callfas:
hronuooid $4845^{\circ}$ WI 3: Sugar neagle $12745^{\circ}$ E1!. A find sucgar maple plainly marked buth no trace of honcvood. naple checke out corcectly. Nlenore goew to town, canget no new
until tomorsow. Acopy totes from iranscript for tield uke. In. Evemasw.
saturday march 6eh 1915: Bormaw, traneitman, hlevare, chainman, manderv, akemew.
Commencing at the cor. to Secr.19-50,141-27 aced 24-25, 1419-28, ruwtwancil lince and chain H. on range line hetween Pingea 2.7-28. Var. 4. 260.75 set hub. 1424 .enter armef mall laker-1545. Leav came-1720 enter arm of 2 ndemall lake-1750. levve same- 2057.75 sethut 2270.entev bog - 2518. le ave bog - 4321.50 1/4 car. bet. $19-141-27$ and 24-1414-28lies F. 9.90st. Correction 00229- 260.75 goes wr.60-2087.75goes W. 5.88-4321.50goes W. 9.90. Commencing at car. to cece.19- to, 141-27 and 24-25,142-28, run trancit linc and chainso. hetreen rangee 29-28. Var. 5: Soventar
 Sunday March 1 th, 1915: Met landy bord who claimed he knew another corner foir dections $19-070$. 14-2 rand 24-25;142-28: I go to naid corneviand find W.Pine narked dimly "41"and nornay pine blaged but a poist of the blazed (where isow nurke should be) burned ogz.
 Sstart hub at 1178.25 and continue retting etakerevery asogh. at 1850 lexur narah. atis8s itub.


 10 N. $80^{\circ} \mathrm{W} .25,16.50$ oft Ifind a b naple Alazed futratted po that no irow martes are vicible, Dhect in abeoluttly notrace of any other 83.1 ar stump of one. I continue do. to otate percvionsly uped
 Fuit for night. Ain using Eurleyoravith in good adjicctment andsoo jt. stel chain.
tuesday mach 9.th, 1915: Slection reay- all the crew wnent to the palle. ogo to toun to feend litter curoin a.m. O.m. Iry to locate cornevto dec. 30, 31, 141-2 9 and 25-36, 111/2-28-4ad find no 73.2 i. That will chect aut.

Wedneeday march, oth, 1915: Eorman, trancitman, Llevore, chainmasomandererue 7ord, pexmen. Heaiting at true cor. to dece.19-30,141-27and-24-25,141,-28ah epike cet by curo.
forrecting for true line. hlistance hetenceiv paid cornewstuke and $1 / 4$ conner on wed hine of dee. I
 Fram $1 / 4$ car. bitween deck.19,141-27 und 24141 - 28 I chain aisd run frandon line noreh. 1104.25 thab. 13 3o.enter round posed-
$\square$ 39901 1699 leave калие: $2095.35 \mathrm{hub}: 2663.35 \mathrm{hub}: 37.48 .35 \mathrm{hub} .3400$ fenterlong lake:: 6543.10 hub: 6600 leane longlaker: in. W. Korman.
shureday naw. "th.1915: Koman, tranictmaw, hlevare, chainmanv, Mandes and B. Wlevor,. axemen. Starting at trub 6543.10 set hubat 6813. at 70,31.50trus corner to Reca. 7,18,141-2 1and



Huch (vale $6 \%$ aver middletons cuk out line.



 at-209.22true cavevto bec. 118 , and 12-13goee K.36 Afind this cormer establiahed ty midelle ton conrect.
 4.65-muhat 2847 BogoevEiat 190




 A.D.plainlymarked and inañpostist for ariginal carnev which checke as folliws:



 (4.010307) Nub at 566.50goes west. 5.84: 7tub at 900.0 goes west 9.27 . 7 tub at 238.7. goes west 24.50. Hhe at 2685.65 give west 27.40. Bomman, tiamitmani. Ae voice, chaimmew Conecting hach


 bectione $6,712,13$ fram trub at 2535.50 , hain norch 8416.7 and ast 21 , where I drive 50 d spike for ture icomen to Lecev, 112,13 fromweishich: Var. 6 :

Sunday, march 1 thi, 1915. all day at claifé
Manday, maich ,5th, 1415: Baman, teanaitinan, ilerrou, chainman, andy ford



 seavch for $B$ O'to concen to fece 30-31-25-36, whinciu. S. whte cale for:

plainly masked and tur paplar stumprevhich chect outas to mearueiments thomis is is
established trice carnen to Lece $30-31-25-36$, drive sod qpike form which: hew DB Di. vai $6^{\circ}$





 at 1802.90 hub at 2700 . Leave spuccervup - at 2803. hub - at 4817. hub - a 6027.503 Bub - ar 7385.90 . interoect louth Diepo line 1979. 15pt weat of truc corner to fece.1-6-31-36.
 find nuthing. quil for night. \#. Al Eomaw.

Wednesday, March inth, ife- Koman, thanit, Mevore, chain, fordand manders, axe-Coirecting


E. 35.50 5299.25

 At 724.00 lexic earne- At 987.50 hub-at/ 350.0 exter pavece sup. - at/500-leacie pprucepup. at 2094.35hub-





 gaee $5.1 .48-$ I. Al Sarman.
 fleuare, chain, 7rasncarsucof19-30-24-25-6 cornew of $71-30-25-36$.


 following toiti Nar. $7^{\circ}$.


 Lece. 19-24 to Sec. car.to-Lece.7,18, 12,13,
 Rub at 2663.35 gole 5.30 .10 : 74utah3/48.35goce 5.38.05. Hub at 7031.50 pace E. s5.do: at 2.306 .41 Sped dec.eds.to Seca. $3,2418,19,2 \geqslant 88$ fl. Snet.
Hhine sod epilee fiom culcid oput the prallourisig B.it:.
forath 108 100, wo wet 15.30
W. Pince $8 \pi .59^{\circ 111}$ such 29.85. wo tach headin tree
leave clunbi for dongorlh whese ostay ade might.

prow whise Stake tiacin to Brackensart. Ti.a. Soman.


Field Notes of a survey for a County Road in Jugs 144 \& 145 N. RT. 3: W. g the Seth P.M. lo cess loo, Minnesota. First. The instruments used in the survey were a transit and a 100 gt . chain tape. All bearings are given by magnetic meridian, except those of the U. S. field note relation to the U.S. bearing trees (B. T..) which are given according to a copy of those oroned by the Beech
 first few examples given, the words" "inches in diameter" and the signs for degrees

Beginning at Station $O$; at the corner to Sections $4,5,32$ aus 33 , on the line between $T$ 's $145+141 \mathrm{~N}$.
R. 31 W., as located in 1875 by B. C. Bald win, U. S. deputy \&urveyor, witnessed by the following 4 S. BP. Noway Pine, 8 inches in diameter N., 40 W., 70 hints.

A norway Pine hub, 4 inches in diameter, was put in the place o the post for the section corner at hat $_{\text {was set by me }(\text { in } 1903 \text { ) in the hole in which the point of the original section corner post was pound, }}$, was set by me (in 1903) in the hole in which the point of the original section corner post was and from which bear the following bounty Road Survey (6.R. S.) B. Ts: Jack Pine 6 inches in diameter $S_{\text {., }} 61^{\circ} 14^{\prime} \mathrm{E}$, 90.78 fact.

Jack Pine hub, 4 inches in diaineter, was set for the corner, according to the following U. S.B.T Jack Pine $10, N, 59 \mathrm{~W}$. (fallen) 106 link. ; Jack Pine 4, S, $8 E .(x 0$ remains) 264 links, pud 1 from which bear the following b. R. S. B. Ts.

Jack Pine 8, N., $76^{\circ} 177^{\prime} \mathrm{W}$., 76.40 ft: Jack Pine 9, $51,84^{\circ} 56^{\prime}$ E, 60,87 ft. To a $x$ on top y R.R. pits, Rolling Norway aud Back guck Pine laud. Sandy soil. Road cleared. Thence, Right 10 7, or
 at station $52+61.38$, the comer to sees. $45,8,49$, a jack Pine hus 4 inches in diameter, was set in the hole in which was found the point gi the' stake for the sectioncomer, set by the 'county Surveyor, aud witnessed by the following $U, S, B, T_{s}$.
gook Pine, 8, N., 64 E., (fallen) 27 links.

$" \quad$ 6. S., 6 N., (duqup." 44
$" \quad " \quad$ 6. S., 67 W., (stump 0) 31

$\because \quad$ " $\quad$. S., 73 $30^{\prime}$.E., $\quad 64.13 \mathrm{ft}$
stump S., $68^{\circ} 57^{\prime} \mathrm{W}$., 35.05 ff . to a $X$ on top q railer and spikes. Rolling Norway
at Pine Laud. Saury soil. Road cleared
aud Black Jack Pine Rand. Saury sill. Road cleared.
Thence, Left $1^{\circ} 7^{\prime}$, or S., $8^{\circ} 4^{\prime}$ E., between Secs. $8 \times 9,26.35 .35 \mathrm{ft}$, to the $\frac{1}{4} \mathrm{~s}$. corner. $78+96.73$ the 14 comer. a gack Pine hub, 4 inches in diameter, was set for the comer according to the foll lowing U, S.B. Ts: Jack Pine C, S, 71 E (stub of) 68 kks ; Jack Pine $8, N, 72 \mathrm{~W}$. (dug up) 62 links, are from which beau the following leAR. B, B, Ts, and refer mace point $\left(R, P_{1}\right)$.
 Black) Pine and Norway land. Saikdy soil: Road cleared.

Thence, Right $0^{\circ} .29^{\prime}$, or $5 ., 7^{\circ} 34^{\prime} E_{1}, 2640.88 \mathrm{ft}$, to the section comer. $102+12.95$, cross center line of M. \& S1.P. S. St. M. R,R. Angle with line, Left $94^{\circ} 54$ : Per. pray 100 th. wide. $103+65$, Enter round marsh, a corduroy, te ft, wide and cover rd with earth is built on the section line achoo the month $105+3761$ The conner ta seas. 8,9, ib. $1 \%$ a brides pita tor the section

Plat of Survey Record No. 362.

corner, set by the bounty surveyor, witnessed by the following U. S.B., T.:
Jack Pine $9, N, 44 W, 14$ links; Jack Pine 9, 5, $62 \frac{1}{2}$ E. (duqup) 36 links; Jack Pine 9, S., 75 W. 236. links; guck Pine in, N., 2E (duqup) 335 hints, and from which bean the following (0. R. S B.T:jack Pine $15, S$, $58^{\circ} 24^{\prime} E=64.55 \mathrm{ft}$; guck Pine $44,5,22^{\circ} 10^{\prime} \mathrm{W} .117 .80 \mathrm{ft}$; Jack pine 9, N , $59^{\circ} 9^{\prime}$ W. 119.63 ft, to a $X$ on top of railroadipikes. Rolling Norvayaud Black Jack Pine taut Sandy soil. Road cleared.

Thence Left $1^{\circ} 41^{\prime}$ or S., $9^{\circ} 16^{\prime} E$. between Sics 16 y $17,2657,50 \not 11$ to the $1 / 45$ corner, $104+000$ Seaqe marsh and enter standuiq Norway and longe Black jack pine a corduroy 20 ft.evide and equered with earth, is built across the marsh east and crest along the section lines. $119 \times 1 \% .50$ Intersect the center line of the \& N. Ry, Angle at intersection, Sift 890 Rught-oy-way 100 ft. wide. $131+95.10 .2 \mathrm{Le} 1 / 4$ S corner, a gach Pine hub it niches in diameter, was set for the corner, actor ding to the following U. . B. Ts: Norway Pine 14, S., 56 E. (stumps of) 22 links; Facts Pine 9, N., 4. W. (stump of) 24 links: and from which bear the following b, R. S: B. Ts, gack Pine 12, S., $61 \%$ m. 48.77 ft: gack Pine 10 N. $64^{\circ} 15^{\prime \prime} E$., 43.16 ft to a $X$ on top of raibrod spices, Rolling Norway and Black Hack Pine land. Sandy soil.

Thence right $1^{\circ} 34^{\prime}$ or $S, 7^{\circ} 42^{\prime} E: 2683.500$ ft, to the Lection corner. $135+60.00$ Edge ravine-t leaps N.W. \& S.E... $136+70.00$ Bottom q ravine; Enter small spruce swamp. $138+90.00$ Notch
 $140+30.00$ Leave the ppruce swamp. $143+60.02$. South edge of ravine: enter cuttover land and stipe: $\because 158+78.60$, The comer to sis. $16,17,20421$. a norway pine hub, 5 inches in diameter, was. set for the section corner, accord ding to the following U. L. T. Ts, Norway Pine 20, S., $80 . E$. (之ttinpof) 38 links. Norway Pine $20,1,53 E$ (stump of) 77 hins. Norway Pine 16, 5 ., 37 W 46 hin Norway Pine 20, N, 12 W. (stump of) 40 lints, and from which bear the following
 $75,64 \mathrm{ff}$. Norway Pine $18, \mathrm{~N}_{1}, 86^{\circ} 51^{\prime} \mathrm{W}$ (stump) $68.28^{\prime} \mathrm{ft}$. Jack Pine 9 , S., $38^{\circ} 366^{\prime} \mathrm{W}, 95.60 \mathrm{ft}$ to a on top railroad spikes. Rolling Norway and gack pine laud Sandy sail
 the $\frac{1}{4}$ S conner. $184+92.40$. The Witness corner. A 3 in jack Pine hub was pet for the corner, according to the following U. S. B. Ts. gackipine 6, N., 14.W. 96 links. fact Pine 4, SI, 81 E. 65 hicks, no 6.R. S. ®. Ts.
 in marsh ("grassylake" in U. U. field notes) $1187+60.00$ Leave the marsh. 192 93.10 a turing point on the section line on the North side of a marsh ("pond" in U. 4 . field notes) from


Hence Right $48^{\circ} 39^{\prime}$, or $S_{1, ~} 39^{\circ} 37^{\prime}$ E. 685.70 ft . to a turning point.. $199+78.80$ the terming point, an Gar hub, 4 inches in diameter No G. $\mathcal{R}$, A, $B, T$.

Thence Left $28^{\circ} 39^{\prime}$ or S., $10^{\circ} 58^{\prime} \mathrm{W}$. 300 ft . to a turning point. 202 +78.80 . The Turning point, a Norway Pine hub H inches is diameter from which bean the following C. R. A. BITTs. Rack Pine 10, S., $3^{\circ} 45^{\prime} \mathrm{E}, 39.30 \mathrm{ft}$. Jack Pine $10,5,77^{\circ} 13^{\prime} \mathrm{W}$, 56.83 ft , to a $x$ on top of lack road spike o...

Deuce Left $799^{\circ} 20^{\prime}$ or S., $68^{\circ} 22^{\prime}$ E 717.80 .ft, to a thinning point on the section line $201+96.60$, the turning point on the section line, a Birch hub 4 inches in di ammeter from whit bear the following boR. R. B.Ts...gack Pine $10,51,40 \% 11 \mathrm{~W} .52 .72 \mathrm{ft}$. Fact Pine. 10 S.1. $77^{\circ} 14^{\prime} \varepsilon .60 .11$ th. ti a $X$ on top y railuoad spikes.

Hence Right, $59^{\prime} 19^{\prime}$ or. S., $9^{\circ} 2^{\prime \prime} E_{1, ~ a l o n q ~ t h e ~ s e c t i o n ~ l i n e, ~} 788 \mathrm{gt}$. to the section contr $217+84.60$ The corner to kens, 20,21,28429. a 5 inch Jack pine thee for the section. comer (original) with the field record for the sections scribed thereon, and from which bear
the following U. S. B. Ts: Jack Pine 6, S., 54 W. 10 links.. Jack Pine 6, S, 5 8 E. 21 links. Sack Pine 8, N., 24 E. 18 links. Jack Pine 4, N., 32 W. 20 links, and from which bear the following le. R. S..B. TS: Jack Pine '2, N., 22. $24^{\prime}$. E. 58.65 ft . Jack Pine $15, \mathrm{~N}, 62^{\circ} 40^{\prime} \mathrm{W}$. 79.10 fr . Jack Pine 12, S., $42020^{\prime} \mathrm{W} .56 .39 \mathrm{ft}$. Jack Pine lo, S., $6854^{\circ} \mathrm{E}$ E, 58.36 ft . To X on top of railroad spikes. From $192+93.10$ to $202+78.80$ the road is carried alan ridge between the pond and a small marsh. Sandy soil. -hence, Right $0^{\circ} 58^{\prime}$, or $S_{1,} 8^{\circ} 4^{\prime} E$, between Secs. $28429 ; 2627.20 \mathrm{ft}$, to the $1 / 4 \mathrm{~S}$. corner $230+15.00$ Enter anal marsh. 232 + 60.00 Leave the marsh. 235+50.00 Leave Norway and jack Pine land and enter scattering hardevoods, White Pine stumps and windfalls, thick bush and boulders. $244+11.80$ the $1 / 4$ S. corner. An oak hub 4 in in diameter, was set for the cornet decorchin to the following (L. S. B. Ts: Red Oak © N., 56 W . (fallen) 11 links. Ironwood 3, S., 88 E. 10 links, and from which bear te h
 49.28 ft ito a Rad on top of railroad pikes. Rolling white Pine and hardcvood land large thite Pine stumps, wind falls, thick brush and boulders. Sand and clay soil. Thence Left, $0^{\circ} 4^{\prime}$ or S., $8^{\circ} 8^{\circ}$ E. 2623.30 ft. to the section corner. $270+35.10$
 Corner according to the following U. S. B. Ts: Sugar 8, N,63E. (noremaies) 12 lint Sugar 6, S., 48 W. (stump of) 9 links. Sind 6, N., 81 W. (noremaino) 14 hives. Elm 6, S., 21 E. 37 links, and from which bear the following 6. R. 8. 73.7s: Maple 8, N. W. 73. Toft. Black Oak 6, S.W., White Pine stump 30, S. E. 4845 ff. to a notch on pho. upper side $g$ a 60 d spike in the Maple, and a $X$ on top of a raibroadspike in the Black Oak and white Pine stump. Rolluq Ph kite Pine and hardwood laved, large A bite Phi stumps, windfall, thick bush and boulder. Sand and clay soil.

Thence Left, $0^{\prime} 20^{\prime}$ or. S., $8^{\circ} 28^{\prime} \mathrm{E}$. between. Secs. $32+33,5220.60 \mathrm{ft}$, to the Section corner. $322+55.70$ she comer to Les. $32 \times 33$, on the 11 th standard Parallel. A. Gem hub 4 inches in diameter, was set for the comer, according to the following U. S. Ah White Pine 30, N, 48 W. (stump of) 5 links. Sugar 8, N., $39 E$, (remains of) 23 links and from which bear the following B.R.B.B. Ts: Black Oak 10 1., $49.52^{\prime}$ E. 75.3' it: Birch 8, N. $40^{\circ} 25^{\prime} \mathrm{W}$. 52. 55 ft. to the angle in a 60 d pike. in the Black oak, and a notch on the upper side of a 6 Od spike in the Birch. Rolling, White Pine and hard wood: land, large White Pine stumps, windfalls, thick brush, and boveders.

Thence Right $90^{\circ} 35^{\prime}$ or S., $82^{\circ} 7^{\prime}$ W. between beccroins 5 and 32, 3157.80 ft. to the Closing boner. 323+00.00 Enter round marsh. $324+00.00$. Leave the marsh. $336+90.00$ Enter marsh. $354+13.50$ the Closing loorner for fictions $5 \times 6, T, 144 N$. R. 31 W. , in a marsh, the original closing corner post, with the field record ant thereon, was found in place, having been set according to the following U. S. B. Hrs. Br. Oak 8, S., 40 E .84 hims. Elm $8,5.11 \mathrm{~W} .109$ hins, and from which bear this following 6. R. D. B.Ts: Oak hub 5, S., $49^{\circ} 47^{\prime} E .66 .97 \mathrm{fh}$, Dak hub 5, S., $20^{\circ}$ W. Pr. 15 ft . to a $X$ on top of 60 d spikes: Rolling White and Norway Pine aid handafood land, large stumps, windfall, that bush, and boulder. Hence, Left, $90^{\circ} 10^{\prime}$ or $51,8^{\prime} / 3^{\prime} \mathrm{E}$. between Sees. $5 \mathrm{r} 6,2944.90$ ft. To the $\frac{1}{4} 5$. can $362+00.00$ Leave marsh. $383+58.40$ the $1 / 4$. cornet. The post for the corner sty
 n, 31 . (stump of) 22 links. white Pine 8, 5, 54 W . (stump of) 13 licks. A nub woo
 White Pine $9, N, 21^{\circ} 12^{\prime}$. E. 93.10 Mt . Oak $91, N_{11} 67^{\circ} 26^{\prime} \mathrm{W} .46 .90 \mathrm{ft}$. to a $X$ on top or railroad spice. White Pine and hasocuood Laical, lauqestomms
brush，and boulders，clay and sand soil． $370+10 t_{0} 370+90.00$ marsh E．\＆W．
Thence Left， $0^{\circ} 6^{\prime}$ or $5.8^{\circ} 19^{\prime} E .2610 .60$ feet to the section corner． $409+69.00$ the come to Sacs．5，6，7r8．The post for the corner set by me（in 1903）according to the following 4．S． B．Ts．was found in place：White Pine 28 N．， 45 E．（stump of） 6 links．White Pine 26, N． 45 W． （2tumpof）links．white Pine 26，S．， 28 W ．（stumps of） 61 links．White Pine $26, S, 3: 2$ E．50eks， An oak tub， 4 in ．In diaineter was put in the place $y$ the post for the comer，from which．． bear the following（6．R．S．B ．Ts：Basswood，12，N．， $80^{\circ} 5^{\prime} \mathrm{W}$ ． 49.22 ft ．Dak hus 6 ，
 sand and clay oil．

Thence Left． $1^{\circ} 4^{\prime}$ or \＆．， $9^{\circ} 23^{\prime}$ E，between Lees， $7+8,5309,40$ ft．to the section corner． $417+40.00$ Enter small marsh．Bears E．\＆W． $418+00.00$ Leave the marsh． $422+45.00$ Enter marsh．Bears E．\＆W．424 +00.00 Leave the marsh．462 $+78,40$ The corner to Lech．7，8， 17．1．8．An Elm hub，Hinches in diameter，was set for the corner，according to the foe
C．8．19．Ts：Norway Pine 8，N， 30 W ．（burntout） 95 links．Norway Pine 8，N．， 38 E．（ 156 links．Norway Pine 6，S， 10 W ．（fallen） 170 hints．Norway Pane 6，S，5E． 178 links（camp） and from which bear the following G．T．B．B．Ts：Norway Pine 14（U．S，B．T）stump， N．，3．3＇30＇E． 103.30 ft ．Norway Pine stump 16．N，52017＇W．150．62 ft．Norway Pin S．， $49^{\circ} 48^{\prime}$ W． $135.25 \mathrm{ft}^{\prime}$ ．to a $X$ on top q raiboad spikes．Rolling White Pine and hard wooed laced，large stumps，windfalls，thick brush and boulders．Sand and clay soil．

Returning to the corner of Sec． 32 and 33，T． 145 NT． 31 W．on the 11 it standard Parallel or Tv station $322+55.70$ ，and calling the said station $O$ ．Thence Left，from the line（produced South word）between the said sections 32 and 33， $89^{\circ} 15^{\prime}$ or N．， $82^{\circ} 17^{\prime}$ E． 2044.30 ft．to the b losing（borne． for secs． 4 and 5，T． 144 N．R．31W． $12+00.00$ Enter marsh．Bears N．IS． $16+07.60$ intersect the center line ${ }^{\prime}$ the Park Rapids ail Leech Lake branch of the B．N．Ry．Angle at the intersection Right $90^{\circ} 51^{\prime}$ ．Right．of Way． 100 ft．wide． $16+50,00$ Reave the marsh． $20 .+44.30$ The blosil bother for Secs． $4+5$ ．An Dak hub， 4 inches in deaineten，was set for the corner according to the
hollowing U．S．B．Ts：White Pine 24，S．， 5 E．（stub of） 30 links；Br．Qaki $6,5 ., 5 \mathrm{~W}$ ．92 links；and following U．S．B．Ts：White Pine 24，S．， 5 E．（stub of） 30 links；Br．Dak 6，S．， $5 \mathrm{~W} . \operatorname{qalinks;~ants~}$ from which bear the following B．R．\＆．B．Ts：Teed oak 8，S．， $28^{\circ} 22^{\prime}$ E．86． 99 ft ：Br．ChuNk 6，S．， 9 915＇W． 16.77 ft ．to a $x$ on top of railroad spike．

Thence Right $89^{\circ} 42^{\prime}$ ，or S．， $8^{\circ} 1^{\prime} E$ ．between Lees． $4+5,5515,50 \mathrm{ft}$ ．to the sectors comet． $24+90.00$ inter meadow．Bears E．＋W． $26+90,00$ Reave the meadow． $28+90.00$ Enter marsh．Bears Fit． $31+40.00$ Enter marsh． $33+90.00$ Leave the marsh． $46+50.00$ Enter large，dead，standing，aud windfall bedar，Jamarac and spruce swamp，thick brush and boulders． $71+00.00$ Leave the
swamp． $75+59.80$ the corner to Sees．4，5．8＋9．The Spruce post for the corner，set by me （in 1903）according to the following $U .8 .13 .75$ ，was found in place；au oar hub 4 ink in diameter，was put in its place．Oak 4，S1， 11 E．（now fallen） 122 links；White Pine 7，S． 17 W ． （cut off） 226 links；White Birch 6，N．， 32 W ．（stump of） 187 hicks；White Pine 6，N．，52E．（norternaics） 17 links，and from which bean the following 6．R．S．B．7s：．Spruce 8，S．，82 $30^{\circ}$ ．E．95．40p
 bine are the same Ithite

Thence Right， $1^{\circ} 25^{\prime}$ ，or S．， $6^{\circ} 36^{\prime}$ 长 between Lees． $8 \times 9,2631.80 \mathrm{ft}$ ．To the， $1 / 4$ S．comet $80+60.00$ Enter Jamareac and beda＋suvamp．Timber standing． $101+91.60$ the $\frac{1}{4}$ Seoprer The Cedar post for the $1 / 4$ S．corner，set by me（in 1903）according to the following U．S．B．Ts．， was found in place．Balsam 6，N．，31E． 11 hims：bedar 8，N．， 23 W． 24 links； a cedar

of railroad spikes.
Survey Recent No. ${ }^{6} 6^{\circ}$
Thence Left. $2^{\circ} 46^{\prime}$ or S., $9^{\circ} 22^{\prime} E, 2610.90$ pt to the Lection Corner. $128+02.50$ the comertopectiono 8. 9, 164 17. A bedar hub, 4 inches indiametic was pet for the Recto corner aceorduig to the following U.S.B.T.: Cedar 6, N1, 8 W. (cutout) G links; bear, S, 45 W. (cut out) 33 link; bedar. 8 , S, 28 E. 5 links, Cedar 6, N., 28 E. 14 hints, and from which beau the following C. R. S. T. Ts. Cedar $12, N_{1,} 66^{\circ} 5^{\prime} E .33 .35 \mathrm{ft}$. Cedar $10, N .4 .7^{\circ} 31^{\prime} \mathrm{W}, 33.65 \mathrm{ft}$ b2dar $9,51,45^{\circ} 35^{\prime} \mathrm{W}, 43,94 \mathrm{ft}$. te a X on top of railroad spikes. loedor, Spruce and Jamarad swamp, the length goethe line. Large windfall, thick bust and boulders.
'Survey begun, March 29, 1910.
Survey finished May 6, 1910 . Note: Ancon, ding to an observation on Polaris, made by M. io. Stonier, C.E., Bemidji, Minn, in the S.E. $\frac{1}{4}$ y N.E $\frac{1}{4}$. Sec. 28, T $145 N$. R. 31 W. op the 5 th P. MI, The variation g the compass needle from the true meridian was, in the latter part io guly 1904 , 9. 3'E: According, to information furnished. Gas. Canfield, a swweyo employed by the U.S. Forest Service in 1903 , the variation was $8^{\circ} 35^{\circ} \mathrm{E}$. The information was furnished him from
the U.S. C. + d. Survey.
gas. D. Middleton,
Surveyor.
Note: Since these noteswere written, the Board of bounty Commissioners has called this road state Road, no. 1.


## SURVEY PECORD No. 363 B

Report on Survey and Location of Road in Portions y Section 34, 35+26 Township of brooked take (139-26) bass bounty, Minn.

Beginning at a point. 124.5 fr. Westalong bounty line of the Sow ah Quarter Post if said Section 34 which was: I price $10 N ., 11 E .33$ leo. W.B. 85 , 21会E 17 links. Now is; Obliterated) $12 \mathrm{~N}, 11 \mathrm{E} .33$ links. Newbearing: Aspen $55,32^{\circ} 30^{\prime} \mathrm{E}, 37.4 \mathrm{ft}$. White Birch 6 N $53 \frac{1}{2} E, 55.8 \mathrm{ft}$ Road Bearings:

Station

$$
O N, 10 E .
$$

$$
\begin{array}{rll}
0 N, 10 E . & 650 f t . \\
650 N ., 28 E . & 100 f t .
\end{array}
$$

$$
\because \quad 750 \mathrm{~N}, 37 \mathrm{E} .195 \mathrm{fH}
$$

$$
=\quad 945 \mathrm{Ny}_{3} 64 \mathrm{E} \quad 288 \mathrm{Ht}
$$

$$
\because \quad 1233 \mathrm{~N}, 45 \mathrm{E} .502 \mathrm{H}
$$

$$
\because \quad 1735 \mathrm{~N} ., 28 \mathrm{E} . \quad 165 \mathrm{ft}
$$

$$
\therefore \quad 1900 \mathrm{~N}, 4 \frac{1}{2} \mathrm{E} \quad 503 \mathrm{ft}
$$

$$
\because \quad 2403 \mathrm{~N}, 27 \mathrm{E} \quad 106 \mathrm{ft}
$$

$$
" \quad 2509 \mathrm{~N}, 46 \mathrm{E} \quad 101 \mathrm{ft}
$$

$$
" \quad 2610 \mathrm{~N}, 54 \mathrm{E} .143 \mathrm{fK}
$$

$$
\because \quad 2753 \mathrm{~N}, 70 \mathrm{E} \quad 103 \mathrm{fl}
$$

$$
\because \quad 2856 \mathrm{~N}, 53 \mathrm{E} \quad 150 \mathrm{ft}
$$

$$
\text { " } \quad 3006 N, 37 E .943 \mathrm{NK}
$$

$$
\because \quad 3949 \mathrm{~N}, 40 \mathrm{E} .1085 \mathrm{ft}
$$

$$
\because \quad 5034 \mathrm{~N}, 50 \mathrm{E} . \quad 315 \mathrm{ft}
$$

$$
\text { " } \quad 5349 \mathrm{~N}, 34 \mathrm{E} .419 \mathrm{ft}
$$

$$
\text { " } \quad 57.68 \text { N., 25E } \quad 896 \text { ft }
$$

$$
" \quad 6664 \mathrm{~N} ., 22 \mathrm{~W} .348 \mathrm{fH}
$$

$$
7012 \text { Center of Highway (State) and Terminus of this Road Survey. This road is }
$$

$$
\text { 20-Wit: beaning } 10 \frac{6}{10} \text { acres at } \$ 12.00 \text { per acre }-. . . .
$$

guy 3 tr 1917:
g. N. Flynn, Reamer, Minn.

New bearing for meander corner where bounty bine intersects brooked bake on South


## Book 89 , pages 1 to 30 .

 7:25 train to Hacker. Breakfast at Wilkinson 25\%. He go to office do Walker and get notes for work on 138-32 and some work at Pine River, I pay stoke bill at the to hose total $\$ 7.00$, 6 mp and I take 9:30train. Euro gets off at Nackensack and I come thru to Backus. R. R. fare 657 A Dinner at Backus 50\&. P. M. Seal up Larson and he comes to Backus and takes me out to his place. Delephone 30\#. Supper aud over night with taus dar son. 7. A. Nones.Gan. 28th.1915: a. M. Liaison taker me and out fit over to hist tach where $s$ ane $t_{0}$ board. Dinner with. Wacks. P. M. lo has. Sheppard, Harwie King, 6 hares Mitchell aid 9, walk to the Section comer of Sections $20,21,28+29,138-32$, where we find a concrete post " " X 6 " set of Re urn for the true Section corner. Starting at this joint we rumen north $88^{\circ} 56^{\circ}$ West. Var. $8^{\circ} 35^{\prime}$ ! At $34+73.7$ set stub; at $44+56.8$ set hub; at 49 enter swamp; at 52 set hub; at 55 set hub at 65 leave swamp; at $65+54.05$ set hub; $a+76+93$ set hub; Quit for night. J. a. Donets. gan. 29. 1915: A.M. We continue West. at $79+87.7$ the the $\frac{1}{4}$ corner between Sections 19-30, 138-32, sets sow h 19.70 oh. (a $6^{\prime \prime} \times 6^{\prime \prime}$ C. P. set by burs for the true comer) borrectup back: Hub at 55 goes South 13.53 fr; Htubat 52 goes South 12.79 ft. Quit for dimer; dinge
with Wack. P.M. \&o hares Wacks and Richard Aldridge joins us. We wack to the section ed nee of Sections $17,18,19,20,138-32$, where we find a $6^{\prime \prime} \times 6^{\circ}$. P.P. for che true corner sol by $G .7 h .6$ Staitingathistrue corner 8 rum South. Var. $9^{\circ} 3^{\circ}$. At 23 fr. we cross a 5 foot ditch. at $2+25$ enter swamp; at $22+65.7$ set nub; at $39+7280$ set hub; at $52+98.00$ internat 8. + W. line. at $53+7.40$ set hub; Quit for night. Overnight wish Wack. F. a. Donner. 17.5 San. 30 th, 1915: Edwin wacks joins us. We continue South: at $68+99$ set tub; at $85+$ 17.5 set hub; at $88+80.40$ set hub. Quit for dinner wich Wash. P.M. Bontinue Souk: at $104+38.6$ set hub. He Rook for the section comer of Section 29,30,31432, 138-32, where U. 8. notes call for $V$ II: Jam. 10 South, 69 W .11 ; Jam. 18 N. $41 \frac{1}{2} \mathrm{~W} .21$; Jam. 12 N .60 年E 2.9; Jam. 12 S . $17 \frac{1}{2} E .34$. The are unable to find amp thing otheold B. Ts. here, so contender South; at 118 leave swamp; at $119+94.00$ set hub; at $129+51.10$ set hub, at 132
 IO N., $17 \frac{1}{2}$ W. 45; Jam. 14 N., 65 East 24.. We are
at $144+258$ set tub. Quit for night which Wracks.

Gan. 3121. 1915: Sunday all day, aud nobody works. $\quad$ 7. a. Donner. Work for the Southeast earner of See. $31,138-32$, where $U$. 90 set tub; at 159 set hub. The 56.E. $25=16.50 \mathrm{ft}$; 7 in $12 \mathrm{~N}, 48 \mathrm{~W} .36=23.76 \mathrm{ft}$; Birch 10 S . $35^{\circ} 30^{\circ} \mathrm{E} .18=11.88 \mathrm{fr}$; W. P $18 \mathrm{~S} ., 23 \mathrm{~W} .60=39.60 \mathrm{ft}$. He are unable to find anything the old B. Ts., so we grit for dinner. Dinner in the woods. P.M. Starting at the $\frac{1}{4}$ other between Sections, 28, 33, 1389 rum North $89^{\circ} 56^{\prime} \mathrm{W}$. Var. $9^{\circ} 15^{\prime}$ ! From a $6^{\prime \prime} \times 6^{\prime \prime}$ Con. P. set by g. \%.6. at $10+57.00$ set hub; at $12+50.00$ enter sevamp; at $25+99.60$ set hubs; quit for the night. Quernightwinh February hud 1915: The contrive Wrest. at 39 leave swamp; at $39+82.00$ set hub. Quit for dinner in Woods, after; at $55+3.60$ set hub. P.M. Continice W. at 57 enter swan at $70+49.55$ set hub; at $77+57.00$ intersect $N . \times S$. random line. at $84+78.60$ set hip; at 111 leave swamp; at $112+17.40$ set hub. Quit for night. line. At $84+78.60$ set hub; February 3,d 1915 . Continue set. hub. Q wit for night. F. a. Nones. at $131+50$ enter swamp. He run to West.: at $118+40.30$ set hub; at $126+56.10$ set kp; 138-32, where U.S. Notes call for wi. 14 . and look for the S.W. comer of Section 30,
 woods. P.M. The drive up to Sail's place, aud mo r Sail tiles us he docs not for dinner in



Section 30, 138-32 cohere U. S. Notes call for, viz: Jam. 7 South 63 East 10; Birch 5 N. 79 West 20 . Te cannot find anything here so we drive to the S. W. comer of Sec. 18,138-32 where we find a Corner Post $6^{\prime \prime} \times 6^{\prime \prime}$ pet by burofor the true section corner. Starting at the true section come of the S W. comer of Sec. 18 we run South: Var 90 at 5 , leave ouramp; at $8+62.9$ set hut Quit for night Que night at Mach.
7. A. Donner

Debunary t th, 1915: Levi' joins us bontinue South at 18+15.50 set hub; at 31+88.10sey heb,
at 36 enter swamp; at $44+75.40$ set hub. Quit for dinner in woods. P, M. The rain turns into I
sons aid vie donot work as it is too wet. R. \& $S$.
February 5 th 1915: It io raining and we do not gout Diner in woods. dale up shepard, aud
he sage it wouldnor pay for him to come over to work in the P, M., so lo mares Wachs, Ed. Clacks
nd I drive to work: We continue South. at $52 .+80$ we look for the S. W. Section earner of see.
19,138-32 where U.\& notes each for: Jam 6 sowich 79 east $198=130.68 \mathrm{ft}$. Jam. 4 Sow h $3 \mathrm{~N} .242=$
159,72. He find the S:W bearing tree town down, butplainlymarked. H2 raise the od B. T up to is
 Sector 19, 138-32. Quit for night, for it is snowing too hand to see anydictance. at 5318.8 the' true section coper sets West 40,60 fees.

February 6 th 1915: He drive to the S.W. Sectionconer s section iq, 13r, 32, (established by domes) and run south. Var 9: at $11+81$ set hub; $a+12$ enter meadow; $a+14+35$ cross 10 ft creek: at $26+82.9$ sethup; $a+27$ leave meadow; $a+31+14$ - set hub; $a t 32+12$ eropirioad. Quit for dinner in carp. P.M. at $42+15.7$ set hub; at 44 enter swamp; at $54+8,30$ set hub; at $54 \times$ 70.5 we intersect E.Y W random line. At $132+45.2$ Hest Quit for night with wach. F.A.D.
Febmany 7 th 1915 : sUnday all day. Febmany th 1915: Sunday all day.
Pebmary 8th 1915: He continue \&outh. At 59 leave swamp. At $75+39.7$ set hub; at $88+$ 8.40 set hub; Quit for dinner in woods. P.M. bontinue South. at 91 enter swamp, at $105+\ldots .$. set hub: Me look for the SW. section corner Section 31, 138-32, where U. S. Notes call for:

 Teburij 9th 1915: We continue \& at $115+50$ leave revamp:; at $125+581$ set hub; at $127+82.8$ set Hub; At 137 enter swamp. Sinner in woods. P.M. Continue 8. at 140 t 87.8 set hub; at 142 enter tam thicket; ar $157+77,00$ set hub, He look for the si, w. corner y sec. 6, 137-32, where U.S. notes call for: W. Pine 10 S. 20 W. 11 ; Jam 12 South 75 ${ }^{\circ} 30^{\prime}$ E. 15; W.P. 8 N. 50W. 34; Fin 10 N IT: 46 ; We are unable to find any ot he old B, Ts do cueontinice as $170+77.60$ sep hub, Quern night with Mach. F, a Donner. Februan $10^{\text {th }}, 1915$ : We continue S. At 173 inter Jam scrap; at $188+44.1$ pet hub. Quit for dinner in wood. P.M. Continue A. as iq+ 30.70 set hub; at 201 leave Jam. sevamp: $a_{1} l_{1}+9.8 \mathrm{set}$ tub. Telookfor the foiahwest cover y Sec. 7, 137-32 where $U$, s note pace for:
 $19.96 f^{\prime} ;$ NT. 18 N. 38 W. $38=25.08$ th. The are unable to find angtheiq here, so we continue $S$. at $213+22.2$ set tub; at $227+22.3$ set hub. Quit for night Over night with sheppard. 7 a, Donner Febuany 11 it 1915: The continue \& at 234 enter swamp; at 249 enter Jam. thicker;
 2 walk over to Wm. Weithizplace and he shows me the X.E. B.T. peainen market, of the S, W. comer flection 18, 137-32, from which 9 ret a $4^{\prime \prime} \times 4^{\prime \prime} \times 36^{\prime \prime}$ post $66^{\prime \prime}$ in ground for the true
 sets East 323.2 ft. Quitfornight. Der night with sheppoco.

February 12th, 1915: starting at the Lowtheastcorner g sec, 33, 138-3a from a 6"x $C^{\prime \prime}$ cor.
 8940 sethup; at $36+30.70$ oethub; at $50+44.8$ pet hub Dinner at foppandé.
P.M. Ne look for the S.E. corner of Sec. $32,138-32$, butane unable to find angthein, so we
pontine W. At $53+50$ enter swamp; $\operatorname{Ar} 62+85$ set hub; At $71+75$ leave swamp At $82+50$ set hub; At $92+77.8$ set mop. Quit for night with sheppard. 7. A. Donner. Februany 13 th 1915: We drive to work, but it is drijghing and raining, so we decide to go back home. Dinner with sheppard. No one works.

Februany 14th 1915: I call up County, Surveyor of Cradena and the Register Reds for the Field notes for the S.W. comer Sec. 36, 138-33. The Registerqdeeds. tell imp the pent the notes to walker. I call up. bio at Hackensack, and he dictates the notes to me over the telephone. Over night with loheffard. F. A. Donner.

February 15 th 1915: We continue West. At 113+3450 set hub; at 114 enter Balsam Swamp; at $122+24.7$ set hub; Quit for diviner. P.M. at 136 leave swamp; At. $142+26.7$ sethiub; At $148+5.7$ set hub; at 154 enter Jam swamp; At $160+55.2$ intersect $N+$. S. random line; Ot $165+32.2$ set hub; at 172 leave swamp; at $174+71.00$ set hub. Quit for might. Que
might wish sheppard
I. de Donner.

February 16th 1915: He continue Hest, at $184+75.50$ set hub; at $192+64.60$ set hub; At $203+8.90$ set hub; at $203+50$ enter meadow; at $205+55$ crows 10 ft. creek; at 206 $+68,00$ cross 10 pt. creek; at $210+72.00$ set hub; Dinner in the woods. P.M. Bontinice Coast or $223+42.95$ set hub; at $233+21.20$ set hub; He look for this $1 / 4$ corner on the North (South) side If Sec. 35, 138-33, where U. S. Notes call for: N.P. 10 North 5 East $675=445.541$ Pine 7 south 73 East $190=125.4$ ft. The find the $N . \varepsilon$. B. T. from which $I$ set the true $\frac{1}{4}$ i corner on the south side Sec. 35, 138-33, with new B. T. as follows: J. Pine 10 S. $5^{\circ} 59^{\prime} \mathrm{E}$. equals 17.90 ft ; J. Pine $10 \mathrm{~N} .59^{\circ} 31^{\prime} \mathrm{W} .8 .15 \mathrm{ft}$. Var. $9^{\circ} 15^{\prime}$. At $237+56.90$ the tune $1 / 4$ corner on the south side of See. $35,138-33$ sets North 249.45 ft . Quit for the might Over night with sheppard. 2. a. Donner.

Februanyinth 1915: We drive to the s. W. comer of Sec, 31, 138-32 and set a $6^{\prime \prime} \times 6^{\prime \prime} \times 36^{\prime \prime}$ Cor. port $18^{\prime \prime}$ in the ground for the true S.W. corner sec. 31, 138-32. I set this corner from the random line running $N$. I S., hub at 10535.60 sets 129.27 ft. West y true S.W. corner. On E. + W. random line hub 15.924 .40 ft . sets S. 199.95 ft: It he true S.W. corner of Sec. 31, 138-32. Quit for dinner. P. M. borrectuiq back on EAr W. random line hub at 10649,10 goes N. 133.64 ft. Where I set a $1 \frac{1}{2} " \times 36 "$ gals. Lon Pipe with cap, $18^{\prime \prime}$ in ground for the true S.W. corner of Lee.32, 138-32 with new B. Ts. Mig. J. Pine 6 S. $35^{\circ} 5^{\prime}$ E. $29.6 \mathrm{ft;}$ J. Pine $5 \mathrm{~N} .39^{\circ} 51 . \mathrm{E} .29 .8 \mathrm{ft}$. (wit htaches.) Var. 9015! at 15876.40 on the rand om line running $N_{1}+S$. between secs. $31 \times 32,138-32$, the true

 length in ground. On E. $+\mathcal{W}$ raudom hire between sees. 30+31, 138-32, at 13180,57 the true S.W. corner fee. 30, 138-32 sets N. 202.7 ft. Quit fornight; over night with Wacks. 7. A. Donner. February 18 th 1915: He drive tu the Sec. Corner of Sees. 29, 30,31432,138-32, and at a $1 \frac{1}{2} " \times 36^{\prime \prime}$ gals. Iron pipe with cap, $18^{\prime \prime}$ in ground for the true Lee. corner. This corner was set by measure. On E.r W. random tine from hub at 10614.80 . On N. + S. random line from tub 10684.17 ft . At 10684.17 the true corner sets Hest 216.90 ft . He drive to the Sep
 cap. 18 in ground for the live Rec. corner. On E. + W. random line at 5325.2 the true Sec. corner sets south 48.5. On North aud south random line at 5342.10 the true comer set West 106.70 feet. This comer was set by measure mont. Quit for diviner wish wacks. I make out taine and we go to S, C. B. race and have a town meeting. Ireceive checks for $\$ 105,73$ from the Join Gent in Ms. Kindle Township 138-3k. Over right with, Sheppard. 7. a sonnet.

Jebreary 19th, 1915: bo sheypard takes me and ouffit to Pine Riner. Itake Arain,
to. Sackensack. R. R. fare $36+$ F. A. Domer.


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## Book 89，Pages 32－39．

September 30 th 1915：Left Wacker on IT，\＆I，train to Pine River，after having dinner at Sra－ velez＇s hotel，engaged Mr．Moulater to take me by auto to horne of Mr．M．Wakequist，which we reached at 3：30 P．M．Arranged with Mr．Wahequiet to bard worth him while running section lines for the Township．Supper and lodging for the night with $m$ ．Wanequist．G．a．gohnston October 1st，1915：Engaged．Mr．M．Wahequist，G．P．Waklquist and W．M．Kinney to help me in survey．Raintill 8：00 A．M1．at 8：10 A．M．we walked to comer 21，22，27＋28 where U．8．survey inotescalfori Jam： $4 \mathrm{~N} .47 \mathrm{~W} .6=3.96 \mathrm{fr}$ Jam． $6 \mathrm{~N} .22 \mathrm{E} .13=8.5841 \mathrm{Jam} .12 \mathrm{~S} .87 \mathrm{~W} .35=23.1 \mathrm{ft}$ ； Dam．65．52E．22 $=1452 \mathrm{ft}$ ．The lower parts y the first still stand and are plainly marked．Only stump the third remain，while trunk $\eta$ the four lie on the ground and is plainly riorked The stimpis stillquiti sounds the upper pard y original section cover post was found stand ing in moss．Position corner was located by chain meascue meets and we drove J．Pine corner post 4 square and 4 ft long in place to mark section corner．From section corner
 Wodequist，flag and axe，Wm．Kinney，chain aud axe；g．p．Wahequist，axe and seythe． at 186.8 hub；at 686.6 hub；1277．05 hub； $2292.3 \mathrm{hmb} ; 3267$ ，Northbank greek bearing Eve．


Cedar 8 N．WOE． 10 ；Cedar 8 S． 51 E．II；Cedar 6 S． 41 W． 8 ；loidar 10 N． 74 Wrote call for： M．Wahequist home at G P．M．Super aud lodging with Mr．M．Wahequist．g．A．Johnston to Qotoper and 1915：B ontinued S．on random hive．Same men as yesterday，92，37，7 hits 10404.5 hub； 10617.1 hub；Corner sections 33 aud 34 on South boundary of Jawnshiphis 10． 15 ft．West．Place hupat 5308.55 and iffecthub 5.0 .75 ft ．West on true Nor s．line as temporary comer ge Sect．27，28，334．34．Slop work at noon and after dinner with mr ．m． Unenequist I walk out to Back aid take train to Walker．Spend night at camp if mr．\＆le Cur．

Sunday，Oct jg，1915：Rain all day，remain at comp y John w．lour，ga．g． Monday Get．th，1915：Jake train at 9：28．A．M．for Bacticu after visituiq office f counts Surveyor．Walked from Backus to home h m ．Wakequist．After dinner，begin work again． gohnston，transitaud chain；M．Wahequist flag and chain；W，D．Wanequist，axe；G．P． varequist axe：Setting up at temporary corner established on saturdaip，Me rum West．Var． $10^{\circ} \%$ 507．8 hub；1007．4 hub）1705．6 hus），2210．4 hub．Stop（wom at 5：40 P：M and return to home of Wake quint．Ques night with $m$ ，Waklquist Qctopes 5 th， 1915 ：boncinice west on random line．Johnston g．Johnston． Q．P．Wahlquist，chain，flog aud axe ．．．Atchainage 2640 searched canefully．for $\frac{1}{4}$ corner where
 sigh of bearing theesconle be found．About $100^{\circ} 8$ a number of dry tain．eta ned in a wet mead n． but nonce bora marcs that would identify them as bearing thess Continued（Vest， 2801 mub ； 3604 hub．In P．M．UI N．Kinney coors s on line： 4071.8 hub； 5400 hub ．At chamage 52.80 we look carefully for section comer，but no sign y bearing the could be bound bouncing high and badly burned．Small pine here wersent for thinker about seven （according to information received from Kinney and $m$ Wahlquist）（l s，notes call for as bearing tries：R．Oak 4S．79E．4；W．Pine 4N．23年E．18；W．Pine 4S．59W． 10 ；Birch 6．N． $46 \frac{1}{2}$ W．20．Stop working at s：15 and
 Ap as togine straight line from N．E．costner dec．28，to S．E．corner Sec． 33 assisted by M．Wathequist．Nines with m．Wahtiquist． Was driven Ty W．M．Kinney te Backus aud xhenby train t Walkers G．a gohnston．


Surver Record No. 365.


- Meport of work ferforsned in Dumshipof Hego, (1N1-28) Cacellunty, Mimmeoto
 mupphy of Vemer wich me as acsistant. Automobile mileage 27 miles. In the afternoan vens to dections 12,13\$1 sand seturn 9 milew.

 road an the East side of bec. 14 in above Lorirnshif, cut and brushed acct a line Soudh, a distance of 2937 fth. To a point 4 '3"ft. west of Sw. Sec. 1 -said supe. which was:
 W.Rine stump 348.41 W. 36- Pope.etich 87.25 FB .

Whew returned to place of beginning and continued the line hordb along a pardy conatructed road for a distence of 2242 fh . at this fesint the road ternel $11.48^{\circ} 30^{\circ} \mathrm{F}$, bah whe cantinued. owstraighl lince on howh at 2452 fhentermad : at 2743 ft. stake for n. W.cos. Sec. $13^{3}$ caid Lown, making a distance of 5650 ft. from SW. cre eaid Sec 13 , to Mw. cas of oame. aw the recorde do not ahour any witneeditrees ar athev evidence of the $1 / 8$. Detrucen paid Sec. 1s-14, athevthan "Bost," It le obvioue, from above meaeurementel that the road leading weet into sec. 14 is 97 fh tos far mirch at it'sinterectidn wirld
 are doing forthe purpore of dotemuning the covrectnees of the cor. to cece, 11, 12,13,1リ, eaid Lacum as the notisigives "goct" for this coner. Shill $t$ neaky, chaimmen, memillan flag, murphy, picket-man, Hlym, transit and all hands wich the as shuak hooke.
Guly 10,1917-Ceginning (random lime) at the BE. con. of blec. 12, 141-28 which wrew:


 Sec.12, whichuse: W. Pine 30 S. 56. solke. Howin: W. Pine (istumpe sft) 30 S. 5 E. solke. newbeacinge
 and located road curveyas pollows: Sta. O dec. cav.93.30'angle with rosad leading West. U. $8930^{\circ}$


 bta. $26 / 431 / 48.1277$ as descrihed above. Var. $8044^{\prime}$ sta. $25 / 37$ top of rielpe 15 ft. high. dta. 28/70 13at. of ridge 15 ght high: Sta. $38 / 90$ wagow cond F. WW. Sta. Y\&/34 wagon coad $n \times 1$. Pta. $52 / 60$ lve. vagow road ve. Sta. $53 / 63$.

Guly" (at sta. 26/13, 2 overlooked to state thab on thab lato we started nandam fine at thal pet and at 2640 fh. made thorough examination for the ME. cor. said Sec. 121 rot finding rame, continued nandow line on north. Shat evening, al Porg ville, a questioned Bew Clarte, a Surveyor and cruiseo of some 15 yra. standing, in such capacity, in thal vicinity, and he claime that chis corves was rever found. fuly 12,1917 . Finished randamiline 5238 fr . Nouch ifieaid Eact I/ \& eaid bection 12 to a pt
 hawsis: Kamay Dine stumpl 10 ft. high 14 'S 10 W. 222 lte. Shen begaw noad lacation rpt to Station $53 / 63$ as stated abave (7.E.cor. sec. 1 ?) marked paol a ak and placel it eqüa-distand rud anstraight line betiveen the guarter pacts, and for this, the we car ofsec.12, Dupe141Ranje 28 (Hego) Eniarked hearingo to -wit. W'Pine stump 30881 w 3 . $q^{\prime \prime}$ gt. WPPine stump $28 n .66 \mathrm{w} 69^{\prime \prime} 9^{\prime \prime}$ gt. Then continued north along sectiow line, beginnin


 21865 W .164 gt. W.oak stump 97.46 20E 200 jt . Thewstarted awrandomeline (Var. 9.39) H.



 fec.12-141-28and measured W.along a wad, which has the appearance of being extable a dist. of 2640.7t thew 2 . $9^{\circ} \% 5^{\circ}$








Plat of elurvey, made November 24, 19i9,

Neputy Bonnty efurveyor. under flas. At. Elynn, County \&furveyon.


## $B$

Survey Record No. 367.

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Report onward done onpartion of the Sow th Sown line of the supp. of Mego, Case CC. Inion.
July 14-1817- Began aba hub and meakured 1080fh. E. to Neicov. nec.3-140-28, the mencurel io. from this pt oneame line, 646 ft made through peach for the Sw. car. of Sec. 35-141-28, not finding rance, returned ne. cav raid sec. 3 and cut out and measured a line (var. 6. 455) the required fistance to S."'\& see 35-141-28-made diligent search for same and nat finding ib proceeded. pro K. an 2351 ft. herb 40 ft. Woof bant of Bay River, the whet 40 St. E. of E. bant ofloug River - then flag 90



 South of this pt. and 5356 ft. from hub accumed to be the sw. cor of 35 . Then went bact to place of beginning (5356)zt .and continued line. To 1750 ft. crowed abandoned PR. Pignade, used now -for wragownoad, at 3240 )t. Crossed road to Pine River at 41フ7 gt. Es side of flowage from Kill Lake.
full 17.1917. Sit hub across (wentsthis flowage-moved flag $90 \%$. angle $8417^{\circ}$-distance chose thin flowage al this pt in 373 ft. making this heb 4550 ft. from starting pt. then continued line ow w.acrone fid and 239 ft. intersect another flowage-arm of Birl dake-set hub -4789 the hub across arm, or flowage thew moved flag and took angle making the distance across this flowage 384 pt-a distance of
5173 fit. from place of beginning, at 5277 lt. was 3 ' 8 "gl. So of posh rect for Sw. car. See . $34-141-28$. apter valuing for thoroughly estamination for the origind bearings for this cor avid not finding name made new bearing
 fine on w' about soft. and came into road running W. on came direction, where we stopped. We spent considerable time long this line looking for süiginal punily bearings of che town found none. Following is the names andtimes putin on these surveys. $\mathrm{g}_{\mathrm{i}}$ Al Hymn, Surveyor, july 7 to 17 -surveying
 to dong vile rudretus 49 miles 2.45. 20 til 35.45.

John Murphy, accictant on those purveys 9 daypiat $\$ 2.00$ per day and bard $\$ 18.00$. Caa. Mcmillan
 8 coy s 2.50 braided ref $\$ 20.00$. Eugene thill 5 days at $\$ 2.50$ boarded self $\$ 12.50$. Eugene Shell days $\$ 7.50$ boarded at hotel 46.00 . Total later $\$ 126.75$. Baardbill of nne. Fred Gordon.



note: Of will be obowved that measurements given, e. g. 2640 asitue distance is frequently returned a greater distance by station measurement: this is due to the use of the so fit. tape on the former, and the ese of the 100 ft . tape on the later.
guly14-1917- the 200 ftivivas broke early, in the gosse so that the oo d ft tape was fused, mostly, on the Lawn tire operations. g.2.7. $7 / 27 / 1$.

T142NR27W Secs 20-21-28-29-27-33

Report on Bay Lake and Sown Line Road Survey-Iounsof Ragere. Beginning at the Theander cannes where the line betweew dece. 20t-21-142-2 7 (Rogere)intersecte the Socth shore of Boy Labe, which wav:





 fapen $98.73 \omega 36^{\prime} 6 "$ "jt. When cantinued S.along caid rection line:
 which was-Bich o-8.80w. 23 lher Roplaw 48.53 .5 .3 Blk.
Frow is abliterated bytime and fires, therefore 9 put in new hearinge, to-vit: fispew $98.62 .30^{\prime}$ W. 42 ft. aspen 10 S. $82.20^{\prime} 15.36^{\circ} 4$ " "st. Shew continued d.alongrectionlince betiven
 poplaw and birch. Rolling surface and stony: Sta. 41/2 5cil. Star. $42 / 34848$ E (Lake 40 At. to Right.


 ftar. $65 / 578.44 \mathrm{E}$ ewpe. 35 ft .wo stat. $69 / 248.56 .30^{\circ} \mathrm{E}$. Sta. 64 to 10 Lake 40 gt . wext. Sta. 71 intersect Section line fhetiveen becr. 28-33in paid sup of Rogive, 104 ft. F. of the m.c.cornew thence East alsng said blectiong

 3oft. West-Sta. $83 / 15$ cul. sta. $96 / 128.8$ wlake 25 ft . W. along old trail-8 $8 / 298.35$ - $9 \% / 50$ culvert-


 24/17 Sown Sixie - Lexpth of thio road is 12.417 pt. Shis survey thereof, began guly 18,1917 and
 aned 100 fit. Atel tape for stations- Assistants in this work were fohs murply of Remer, Minn. wed Goceph Gellew, Roy Atewetrons and 9. W. Uellman of said Orgere Sounshipe.
8. Bt: Flynn-Curveyou, Rencer, minnesotw, guly 26-1917.

T. 142 N. R. 27 W . Sec's 27-28-33-34

Report on the Sunney of the Phillipes Road ow part of the bection linchetween Sections 28-33-Docinshipp of Rogers $(142-27)$ Caes Co. Minnesota.

Beginning at a pt. 241 ft. East of the 7 n.e. cov en lake which usas:
Lam. 7 n-10w! 32 lks-Lam 78.64 E .23 lker. How is: The samu-
Thew East along said section linie (vair.9) Sta. $1 / 321 / 48.28-33$ which evas:
 gack Pine 10 n. $0^{\circ} 30^{\circ} E 44^{\prime} 5^{\circ}$ ft. aspen 68. $7^{\circ} 35^{\circ} \mathrm{w}$. 3gft.
then continuedecist aling racid sec. line (vas. 6.40)
Sta. 8/50 culuert.
." 4/32 to 900 wire fence nored.
". 11/56 uagonroad nur to te.

- 12/50 culvest.
" $1 / 25$ wagow road $n .+8$
" $15 / 15$ culvert.
" $1 / 70$ tope of 110 hill
$18 / x_{0}$ batton of 11 hill.
" 21 weel bank of Buy Rives.
" $22 / 03$ Eart bank of Boy Rives.
24/25 grass
" 27 culvert.
". 27/75 le ave grass.
" $30 / 50$ cul.
" $32 / 67$ pec.cov to Secs $27,28,33 \times 34$ said Loun -
Length of this road is 3.267 ft . Survey begaw guly 181917 and finished grely $25-1911$. 1. It: 7 lynm, surveyov, Goe Gellen, Roy Stenctronvand g. Wi. Wellman of Rogene and gohn pmorply of Rence, Minn ascistants.
d. 7.7 lym -Surveyor-Remer,minnesota.

Guly 26-1917.

## Mildred School Site. 138-30. See 22

Monday, July 16th, 1917: EBB. Jorat working for Dow hoe dist. No 14. Beginning at a $1 \frac{1}{4}$ " I.M. Whect the Rehoolboard (Roy Blackburn, Frank Rhodes, Mr, Emery, Mr. Wellivar, t Mr. Kelly) and few other residents of mildred assure me has been set by a sevweyor, antis the true center $q$ Lee . $2 z$, aus being used for mary years as suet, $9 \operatorname{rin}$ S. To $\frac{1}{4}$ cor. on S. side $y$ Dee. 22 . Distance $=2632.4 / f t$. Zromenter of Sec. 22 , 9 turn S.W. < to $\frac{1}{4}$ cor. on W. side $y$ 多ec. 22 . Angle $=88^{\circ} 55^{\prime}$. Distance $=2669.6 \mathrm{ft}$. Set transit on I.M. $\frac{1}{4}$ car. between Deer. $21 \times 22$; sight $\varepsilon$. to cuter, Leven S. $E .<$ to S.W. corner of Roe, 22. $2 \frac{1}{2} \times 48^{\prime \prime}$ IT. $<=90^{\circ} 43^{\prime}$. Distance $S_{.}=2622.4 \mathrm{ft} . \mathrm{N} . \varepsilon .<$ ats .w. corner Dee. $22=89^{\circ} 30^{\prime}$. N.W. < at S.E. cor. of S.W. $\frac{1}{4}$ Dec. $22=$ $90^{\circ} 52^{\prime}$. 'Computed distance between S.W. cor. aud '/4 cor. on $S$. side $=2652.6 \mathrm{ft}$

Tuesday, Guly 17th 1917, Joust, tracusitaied chain. Blackburn, Rhodes, Emery and Kelly assisting. I set $S \frac{1}{6}$ cor. on $W$. side of dee. 22 , sight $N$. to $\frac{1}{4}$ cor. arch turn $89^{\circ} 23^{\prime} 30^{\prime \prime}$ and rum $E$. on true $5 \frac{1}{6}$ line; at 2661.1 intersect pt. for center of Souch $\frac{1}{2}$ y See. 22. Returning to station 1330.559 set center of S.W. $1 / 4$ see. 22 . Dight $W$. .to $\&$. $1 / 6$ cor. aus $\operatorname{tur} N . W<90^{\circ} 47^{\prime} 30^{\prime \prime}$ out run $N$. on true $W$. $1 / 6$ line. at 938.5 N. interiecer $W$. edge of M. +I. Right gWay. At 1003.9 M. \& I. track. N:W. $<49^{\circ} 52^{\prime}$. as 1313.7 center y $W \cdot \frac{1}{2}$ See. 22. Returning to Station 938.5 , Saturn $90^{\circ} \mathrm{K}$ and run W. 330 .ft. $=$ N. boundary 7 shop site. At pt. Intersection


I S.4W. $\frac{1}{6}$ lines, 9 chain W. on $9 . \frac{1}{16}$ line 330.02 ft $=$ S. 6 oindary W. 16 line - E. boundary. Run parallel line 330 ft. $W$. $=W$. boundary. I set level stakes for school horfae




## SURVEYBECOPD NO $371 \cdot B_{w, 3}$ <br> T-142-N-R-28W 25-26-35-36

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Wight's bounty Road. T141N. Ry 28 W.
Wed., July 18 th, 1917. E.B.7torst, working for boas bounty, transitaud chain; boas: K. Coight, flog and chain. Wack to corner y bees.1,2,11,12,141-28, where Notes call for: ll. Pine 18N.810E. $130=$ 85.80 ft ; W. Pine $15 \mathrm{~S} .75^{\circ} \mathrm{E} .70=46.20 \mathrm{ft}$. Ifind both stumps, one being cut 5 ft above ground to pr
 55 $5^{\circ}$ E. 94.5 ft . Cor. sets in S. E. part of small marsh. We rum line W. over. cut out road at $8^{\circ} 45^{\prime} V$ ar
 449.' ft. W. set hub; 1201.6 ft. W. set hub; 2814.5 ft. W. set hub. 2996.7 ft . W. set hub; 4222.2 ft. W. set tub; (RoadturnsN. To get around dry marsh; should be buffs!
 5609.0 ft. It. I.M. at cor. to Sees. 2, 3, 10,11 set by N. F. Baedrvm; sets N. 14.0 ft. Sse EM, Khans. Dor. to secs. $2,3,10,11$ aud start line $S$.
Thur. July 19-1917. Hans and
 Sea. Line; 7740.8 ft S. set hub; 2703.0 ft . S. set hub; 4096.0 ft . S. set mut; 5435.4 ft . S. set hui Poplar 5 N. $48^{\circ}$ E, 88 links. Char. Wight identifies a post as the original comer. 2 set transit over the $x$ corner arid find evidence $\eta$ poplar stumps that check with Notes. I drive large hub in center g̈road fight feet West to true line; set Fransitiover comer $810,11,14,15$, and [ E.B. Stonst.
 Left $58^{\circ} 11^{\prime \prime}, 2357$ ft. on Gas. Middleton's E.' $W$. Thine to connectwichroad running E. and one running Ar. Sta. 2787.7 goes W. 5.3 ft . Correctughack between sees. 2,11 . Offset N. $18.3 \mathrm{ft}+14.0 \mathrm{ff}$.
 Hub 2814.5 W . goes $0.0 \mathrm{ft} ; 1 / 4$ cor at 2804.5 W . goes S. 2.15 ft . $/ 4$ cor. at 1201.6 W. goes S . $11.4 \mathrm{ft} ; \frac{1}{4}$ cor. at 449.4 W. goes S. 15.7 ft . S. E. $<$ of true lines at cor. to Sees. 2, 3,10, 11=89026 S. W. < to true line running $W=90^{\circ} 20^{\prime}$. Sight taken to 2\%. F. Baldwins hub. Worked truce line]. W. YE. $1 / 6$ cor. ExBMfonst. Set transit over cor. $81,2,11,12$. Rum random line N. betide [aid. : Var. $8^{\circ} 30^{\prime}$. 215 ft $N$. Leave sevarnf; 250 ft. N. Wight; private drive. S. N; 259.7 bet hub; 500 fr.N. Marsh; 600 ft. N. have same; 930 ft. N. Enter marsh; 1140 ft. N. leave dom 11"9 fiN set hub, turn Right 1008".

Finonday July 2 ard 1917: Horst transit and chain. E. K. Wight, chain, flay are. Gantines N. between teas. 1\%2. We walk to cor. f Decs. 1,2,35,36. U1. S. Notes. call for N. Pup $12 \mathrm{~N} .65^{\circ} \mathrm{W} .87 \mathrm{lks}$. I find same plainly marked from which 1 set a post for tine foresight $N$. andturn right $1 \circ$ on corner of $1,2,35+36$ and ont line thru to corner to which take following new B. Ts: N. Pine $10 \mathrm{~N} .18^{\circ} 35^{\prime} \mathrm{E}$. 35.7 ft . Poplar, $8 \mathrm{~N} .25^{\circ} 40^{\prime} \mathrm{NL}$ 50.4 gt . N. Pine $10 \mathrm{~S} .49 .55 \mathrm{~W} .69 .9 \mathrm{ft} . \quad 1936.3 \mathrm{ft}$. N. set hub; 2600.0 ft . N. enter dry mash; 2900.0 ft. N. leave dry mash; 3101.8 ft. N. set hub; (about 3120, an Ex W. wire fence): $3366.5 \mathrm{ft} . \mathrm{N}$. set hub; 3573.0 ft. $N$. enter samall dry marsh; 3710.0 ft. N. leave same; 38.82 .0 set hub; 4151.2 set hub; 4333.5 set hub; 4425 center $q$ gradedroed 4575.0 Enter large marish; 4760 Offeet E. 100 ft. to pass bog; 5082.5 Offset bact 100 ft. on line. 5280.0 leave large marsh; 5303 set him; 5714 cross graded road; 5744 car. 7 Sees ,1,2,35,36; Diet transit about 200. It. N. . cor. to Lees. 1, 2, 35, 36; on Dup. Sine and erect a tall flay
at $1 / 4$ cor. between bes. $35 \times 36$, and per a transit on line betiveen comers. Der hub under transit. Ire to corner g 1,2,35,36 and read angle ghines between decs,1+2, 35436, Dight S. On doe. line; reverse teleg ed B.T. still stauduig plainly marked. I drive a new stake in place fordone. Drstanceftom ea
Lees. $1,2,35, ~$
 Tuesday, July $24 t h .1917$. Horst aud Wight continue $N$. on graded road from $1 / 4$ cor. lateen hoes, $35+36$, T142R.28. I sext Wight to erect a flag at stake near coper to 5 pes. $25,26,35,36$, being cin
 turn W. $O^{\prime} 10^{\prime}$ aud sight on stake, Set transit on stake aud set two Cedar Wit. Post. $6^{\prime \prime} \times 6$ : S. W. i S.E. 46.7 ft. Sight S. line thence N., turn $0^{\circ} 34^{\prime}$ E. on graded road. Clout $\frac{1}{2}$ mile N. offset E. th center grioad. Look $1 /$ cor. B. $T_{s . \text { all gone: Settlers never saw original } / 4 \text { cor. Continue } N \text {. to a }}$ staice set by Ben GRain for N. 16 cor. between Sees. $25 \times 26$. Ne walk N. andlaok for cor. Te sees.
 bet by blank but it mist be off as there is no cedar near. He look all P.M. for corner. Sorn 16 fo fm assists us in P. M. After supper $D$ dive $t_{0}$ ofackusade to telephone to Greene. ( entrap is closed Hednes day July 25,1917. Horst and Wight chain up. Begin at Dup. line at cor. to Decs. 1,2,35, 36 ped Chain N. on true line run yesterday, on parity graded rood. At $510.0 \mathrm{ft} N$. 1200 d leaves hind roster if to peso sharphill; ar 700 ft . N. road io E. 100 fr; at 860 ft. N. road is online; at 2648. aft. N. inteiseä

 leave bog' 1778.0 N . road on line; 2642.6 N . Hub offset $E .8 \mathrm{fti} 2785.8 \mathrm{~N}$. hub; 3247.6 N . hub;

 Poplar 8 S.E. 14.9 ft; S.Maple 5 SiM. 12.8 fth. GRains post sets N. 28 paces ace oed $1 . T$ ? This puts flank's inteniorcorners y dee. 25 all off. E. B, otorst.

Thursday July 26, 1917: Itonat, Wight, and John Hoffman begin at Sta. 4190.0 N. on random hineketween. Dee, $25+36$, turn S.E. $<93^{\circ} 05^{\prime}$ and run traverse E. 1168.4 ft. on cectoutroald lin.

$$
\begin{aligned}
& \text { Right } 6^{\circ} 14^{\prime}-341.7 ;: \text { Reft } 9^{\circ} 14-222.5^{\circ} \text {; } \\
& \text { Right } 44^{\circ} 05^{\prime}-126: 2 ;
\end{aligned}
$$

$$
\text { Right } 6^{\circ} 14^{\prime}-341.7 ; \text { Reft } 9^{\circ} 14-222.5^{\prime}
$$ and set his at P. I. on Co. Road. We wack to M. C. $\neq 8$ on Rage. line on S. side P Boy $0^{\circ} 00^{\circ}-193,5$ Wight and gohn Hoffman identify oed elm B, T. from which duet state for M. C. No At


 Revise telescope and continue traverse of old Traveled road (Ne be wa Ni bi Co. Road)
 Friday July 27 -1917. Theme Left $56^{\circ} 15^{\prime}-161 \mathrm{ft}$; Thence Reft $4^{\circ} 46^{\prime}-279.6 \mathrm{ft}$; 2 here Reft $37^{\circ}-406.3 f t$; Thence Right $130-193.6 \mathrm{ft}$; Thence Right $38^{\circ} 25^{\circ}-450.2 \mathrm{f}$

a $2 \frac{1}{2}^{\prime \prime} \times 48^{\prime \prime}$ I.M. from oed B. Ts. Thence $1^{\circ} 50^{\circ} \mathrm{E}$. and drive hubs on center line grad on $\frac{1}{4}$ between secs. $31+36$ where 9 find a $2 \frac{1}{2}^{\prime \prime} \times 48^{\prime \prime}$ I.M. bad misplaced by a better. I
same from old B. Ts. and ser the EM. at proper point. (Nithtransiton $\frac{1}{4}$ cor and sighting Non bic. line
 Dimplyestohershef the road center for the present Pith transit on pup. Corner and sighting N. ontrud line transit telescope ans sight S. and turn E. $1^{\circ} 14^{\prime} t$ a hub corrected from Fly is cacedom. Afternupe

 Saturday Guly28-19in I return to Lacker.



## 604 <br> B Plat 372

Poad thri Sec. 30-139-29

Sec. 25


Boot 54-A. Toad on E. a w. It Line Sec. 30-139-29
pis Field notes of the survey of 3 pieces of road in township 139 mange 29 W .5 mpm . as directed and surveyed by John W.Curo, County Surveyor, Gas County, Min. and Blois Nowat, surveyor.

No k.4-1916
Blois Nowack leaves Walter at 9.yo AM. with Gurley transit in goad adjustment and a loot. Chicago steel tube andequibbed with the field notes concerning the survey. Arrive at Backus at about 10:40. Fare wy. Take auto delivery car and drive to Swan Sohnsons place, town clerk of twp. 139 , range 29 where receive petitions of roads to be surveyed. Tdrive to m. Garters place, where/stay and board. Mr. N. Garten is member of the town board.
pis. Futofare is ${ }^{\$ 2} 2.25$. Dinner at Cartons. Garter can not hunt up a crew but will have one tomorrow-morning. lam preparing my notes. Hoad betifion reads: out, survey and open up a four(t)rods road as follows: Beginning at the Southeast (S.E.) corner of the Northeast (N.E.) quarter, section 30, th. 139 range 29 thence running west on quarter line until it strikes Late flattie thence in a westerly by north direction following the lake as close as practical until it strikes the quarter line thence west on (Ill) quarter line until it strikes lake Hattie, thence in a westerly by north direction following the late as close as practical untilit strikes the quarter line thence p.20 west on quarter lime to the South west corner of the North west quarter. section 30 twp 139 rb. 29 and there terminate.

Mr. Gorton owns the Southwest quarter of Serins, and the Southwest Cor. of.: Sea.18is only 20 rods west of Mr. Gardens house. It is an $1 / 2$ iron pipe with cob. Not haring a compass withe I determine south by a cutout in wood and face south. Dill paces = 33 HF . leave road enter cornfield lad III paces leave corn field enter lac Pine wood. At 440. I look for Iron pipe that is $1 / 15$ Cor of West line of 19 . Fail to find it. Continue pacing south. At 1100 leave wood enter handwed brush. At 2300 paces enter open bog. It 2640 paces equals 7920 feet lam on west side of Lost Lathe. look for tron pipe set by Curb set as $/ 1 /$ Cor. on wast side of 30 . Fail to find it. Walt east to look over ground where proposed road is to go as l cannot be very much off the East west lyline of See. 30-139-29. strike Lathe Hlatici about Toft south of the northernmost point. I meet Mr. Albert Hall who tells me about Mr. Ublon and Young wholive on Gout lot 7 Sect. 30-139-29 who are very interested in the petitioned for road and promised to help during the survey. Isent word for them to be up at Gunter's as early as possible tomorrow morning. Suit for night. Sober and signedging at lanterns'
6.22 Sunday, Nov. 5-1916. Break fast at Gorton's anorak Bob Mountains who is to help me comes early. We wait till 9 oiloch for Upton and Young As. hey fail to come I decide to establish the I/ corner on the west side of 30 and walk east toward east corner 18 alg. Half way we meet Upton with a team, and drives to East corner 18-19 twh.139-29. We chain south 26\%13'ft and set $21 / 2$ "hub with tack. I find Curds bearing trees but as I havent his notes with me I can not check their courses, the Gout notes call for B.P4"N.56W. 20, BPY S5.52/2E.17 but as the road was cut 33 ff on each side of this comer tho biTs were cut and 1 fail to find any information of them. Drive to ublon's. PM. Upton, Young. Mountains and I walk west to Lost Lake where the II W. cor of See 30-139-29, is Young and Mountains stay at the lake, make stakes and look for the corner
while Upton \& Y walt North to get instrument and Mr. Garter to show us the corner. Must wait for Garter who has nothad dinner yet. I meet. Mr. Johnson the town clerk who came to tell me that the board changed the petition so as to have the road on the East end running along the shore of Lake toddy instead of on the If line. The petition should read, until it strikes Late tattie, thence in an easterly by south : direction to a boink 304 ft south of Last II Cor of sec. 30-139-29. Upton, Garter hay Gircbride: and I/ walt to I/4 Cor west of Sect. 30-139-29. Garter. after searching quite a while finds it.. It is a "Iron Pipe setin a 2 ft mount of dirt. Garter walks back. I.run east on 8:45' Var. <compat>ᄀ. Nowack, transitman, colon and Nowack, chainmen, Young and Bob. Axemen and tray. Circbride flagman. At 200 hub on steep hill, at 500 hub, at 1100 hub, at 1320 hub, Quit for night as it is rabidly getting dark and
p.25 we have. 3 miles to walt to. Garter. : Super and lodging at. Gertens
p.26 Monday, Nov. 6-1916 Breakfast at Tartans. Kay, Bobaldrive. AVouch with Tom Lee to Ublons. We wait to hub 1320. Nowack, transit, Uplon and Nowaok, chain, Young and Bob axemen. Hay, flagman. Wo chain up a high hill. At 1580 sot hub "A"." At 1715 enterglalike. I sight back on hub 1320 , furn 90 to right and set hub is", 200 north. Set Hub 'C' across lake. Set up on hub'B'sight bact on $A$ and turn 83013 to hub ' $C$ '
6.27
hubi'f'to 'B' is 200 tan $83013^{\prime}=\frac{8.40705}{1681.41} \cdot 200$


Hub'C' is 326141 . Continue Last. Af 3320 hub at 3420 enter open bog. At 3860 leave bog. It 3960 hub. It 4220 hub. Dinner at Ubtons. PM. Continue east along north bant of labe. Aft sro hub. We have to run through very thickild brush. At 5220 hub. At 5663 the II lon East af section 30 , sets South 79.85 . To correct our line, we shall have to set south 0.0141 ben foot. Bob and I rechain $1 / 2$ mile. Find it 2 'short and when / afterward heard that Ubton had mads a remark as of setting a tact into a hub half an inch out of line being good enough, Ill change the men. Quit for night. Subber and lodging at Garter. d Nowats
Tuesday Nov.7-1916 Election day.
Bob, Hay and I drive with Tom Lee in Auto to Upton and young. Nowat transit Nowak and Bob Mountain, chain, Upton and Young axeman, Hay, flagman. I correct the line. Hub 5663 goes south 79.85 , hub 5220 goes South 7360 , hub 4720 goes south 66.55, $4220 " \quad, \quad 59.50, " 3960 \%$ 55584, 3320 " "46.71, 1580 " 22.28, " $1320 \ldots 18.61, " 1100$ ". 15.51 , 500 . . . 205 " 2.82, Rest of PM we set road centers on corrected 1/4 Line from $1 / 4$ Cor on west side section 30-139-29 far as hub 1580 on west shore of Late: Ha tie.
pied Dinner at Upton's. Bob Mountains goes to Backus to the election. Hay stays in the field mating hubs. Ublon, Young and I drive with Albert Hall in Auto to the school house where the former vote, while $/$ tall with Mr. Johnson about aiman to help me as Upton, young and Bob wont be able to work. Thursday. Albertflall drives us back. Beginning. 1580 on west side of Lake Hattie. Hub 1580 is station 1, Irun a line N. $430 /$ E. Var. 1030 down the thickly wooded hillside at 316 ft . set hub being station 2. Thence N. $24^{\circ} 28$ E. 300 thru thick brush to station No.?. Quit for night. Hay has supper and lodging with Garters. I have supper with Ublon and lodgings with Young

Wed., Nov. 8-1916
p.30 Nowat, transit, Nowakand Upton, chain, May and Frank Gillaty, axemen Beginning at station No. 3 ,
 old Beaverdam; thence N. 28013 E. 180 KX to station No. 6 , Thence is 82020 E 355 At. to station wail? Thence 5.1009 E. 266 Et to Station No. B. Thence 5.46043 E 217 Ft to sta No. Thence 55305 E. $325 \%$ Station Nova, Thence 50.25 W 522:2 Et to station vol being Hub 3320 on our true V Line Eva w in Sec $30-139-29$ Dinner at
p:31. PM. Beginning at hub:3320 we set roadcenters as far as hub 4220 on true Ea willtine in Sect 30-39-29. From hub 4220 being station Nola in Ne5\%忘 var: $730^{\circ} 580 \mathrm{Ft}$ to station Vols on Nocthside of Lake Hattie. Thence. N.87035'F. 312 ft to station No 13 an high bank north of Lake. Thence 5 s 500 E. 670 Ex. to appoint 30400 south of IllCor on Lastsude section 30-139-29. This finishes the survey of the road described in the Foodretition. land hay have supper and lodging at Garters.

Anwwat
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15 \text { folios } & 2,25 \\
\angle s e c & \frac{150}{375}
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Book 5447. - Nowach. Field notes of survey of 2 rodriroad between sections 28 and 33 east of Section Cor. 28-29-32-33 as surveyed under the direction of John W: Curo, County Surveyor of Cass Co., by Aloris Nowak, surveyor.
Thursday, Nov.9-1916. Breatifast at Gartens. Nowat and Fiay Cirbride walt to M.C. No. 30 on east side of Lake Hattie on Section Line on Sect. 29-32-139-29 where we moet Frank Gillity. We walk to Sect. Cor. 28-29-32-33, a 1/2"capped galv. iron pipe. The road petition reads as follows: Lay out and open up a public cartway 2 rods wide as follows: Beginning at the Pontorid Pine Fiver Poad where the section line E.and W. betw. sections 29 and 32 intersects said
p.35 road, thence running east on sect-line betwen 29 and 32 and 2band 33 to a point 13 rods from Meanderstate of Lake Bda and there terminate.

Iset up transit on SectCor-28-29-32-33 andrun East on 8020Var. at 200 hub ontop of hill then level to lake. At 600 hub. Io ffset the random line on account of fence. At1539.25 set hub on bank of Lake Ada. The govt calls for 23881 its: 1576.08 ft as distance from Sect. Cor. 28-29-32-33-139-29 to siC. No. 2 on west side of late Flala. I look for.. M.C. No. L where Gov't calls for N.P. 20 N. 30 W .129 N.P. 15 S. IIW. 243, If find several
p. 36 stumps all of them badly burnt. Plarge N.P stumb in front of Loomiss Cottage shows dim marks. Idon't want to set. the (corner) M.C. without evidence whether said stumb is the B.T. and as there is nobody present in the neighborhoad who could testify, Ishall ast Mr. Hahn after his return from work at boclock. Mr. Hahn is said to know where the M.C. is. We tate dinner outside haring tatien some lunch a long. Iset a high flag on Sec. Cor. 28-29-32-33-139-29; take instrument to Eastside of Latre Hattic on high bant near M.C. No. 30 and work my instrument in line andset a high flag in line. We walt to Mr. Hahns farm cast of Section Cor. 28-29-32-33. Mr. Hahn tells me that the stumb in front of Loomis's house is the Old Bearing tree and that he surely saw the marks on it before it burnt down and was chopped afterward. I leave instrument with Mr. Hahn. Supper and lodging with Garten
p. 38

Friday, Nov.10-1916. Breatfast with Gorten. Hay Gircbride and/ walt to west side of Lake Hda meet Frant Gillety. Nowack transit, Nowack and Gillety, chain. Hay, areman. I set the M.C. by measurement and cuurses. Then /set up on found corner turn my instrument S.IIM and find ariother stumb with very dim marks but as course and mea suremerit check with Gou't notes I don't doubt that the last stumb is the other Be.7. Then set the M.C.No: 2 by flot measurements and drive a $21 / 2 \times 36^{\circ}$ oat state into ground $1 / 2 f 1$ away from the water. The old B.Ts stand as follows: NPstumb N. 2801 w. B5.14ft. NiPstump s. goim. 160.38 ft . make two new Bearing trees as follows: N.P. 15 5.51025w. 21.18ft. NP18"N.2024\%. 46.62 ft . From hub $1539.25 \mathrm{M} . \mathrm{C} . \operatorname{Noz}$ sets $5.33^{\circ} 3^{\prime}$ E. 33.45: /correct my random my: random line. Hub 600 goes S. $33^{\circ 3^{\prime}} \mathrm{E}$. 13.04 ft . I then set up on corrected hub 600 , sight back on Sect. Cor. 28-29-32-33-139-29 and set road centres with 3"136"Oak stakes. Stake 1361.58 marks termination of Poad on the west end. I then set ub transit on 74'west of Section Corner 28-29-32-33, 139-29 and wort my instrument into line between flag on Section Corner 28-29-32-33, 139-29 and on M.llo30 on west side of hake Hattic. Then I set road centres with $3 " 136 "$ Cat stakes. Then I run a line east on $7.45^{\circ}$ Variation. At. 1500 cross centre of pine Miver (Longuille) Pontoria road. At 1600 hub. At 2460 hub. We chain in the centre of 2 rod roiad. Mi 3960 hub. At 4190 hub. As the boys are hungry it being 20 clock PP. M pospone correcting of this line. We. walt to Mr. Olson who owns a farm in the 5.W. Ity at section 32-139-29 Dinnem at Olsons. After dinner Olson and we walt to Section Corner $31-32$ on the south side of Twb. 139 Pre 29













$30 B$



32







SUIVEY RM"NES





20
2
2
$B$




