

203



ENGINEERS

FIELD-BOOK

No. 100

No 3

Note:

If this book is lost
finder please notify John
W. Curo. Walker, Minn and
receive a liberal reward

John W. Curo
Walker Minnesota
June 20-1917

N^o 3

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NECOR. 2. Pg

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137-27

Cross Lake Twp.
Crow Wing Co
Minn.June 26th 1917

We are working for Watertown
Township Crow Wing Co. Minn.
in the survey two ways roads
one already granted and the
other pending.

The road granted runs as
follows

Begin @ NE cor Sec 2-137-27

Thence South along Sec line bet
1 and 2, a distance of about $\frac{3}{4}$ mile
to Cross Lake

Thence SW $\frac{1}{2}$ mile to pt near
 $\frac{1}{4}$ cor bet 2 & 11. Thence E $\frac{1}{2}$
mi to center of sec 11.

Thence West $\frac{1}{2}$ mile to $\frac{1}{4}$ bet
10 and 11. Thence South $\frac{1}{2}$ mile
to Cor of sec 10-11-14-15

Thence West $\frac{1}{2}$ mile to meet a
less exp line bet sec 10 and 15
to intersection with main old
road.

John W. Caw

Rev E. Berglund

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137-27 Twp Roads
Watintown Twp
Crow Wing Co

June 26-1917

The road to be allowed is to run
one mile E & W thro cen. of sec 9.

John W Curo - Roy E Bryant
Harold J Curo on Ford car to the
farm, and come to Pine River.

Thence East to Wm Buchite farm
Chairman. Town board Cross Lake Twp
who owns Lots 1-2-3 - Sec 2-137-27

where Curo & Curo stay overnight

Wm Bryant in car to
H H Cochran place where he stays one
night. Harold & J W suffered. Curo
and Bryant all get supper with
Wm Buchite

Nat. in evening we run auto to Boggett
Lake to look for cornucopia and called
Pittelcow across the lake to let him
know that we are ready to start mining.
told Pittelcow & Buchite that we
were required by US Lessor to work
8 hours in the field and that about
1 day out of 5 would be required inside
to figure corrections - Both satisfied

John W Curo
Roy E Bryant

4 Watertown Twp 137-27 ^{Top Roads} ~~then~~ Lake Sup 137-27
June 27-1917 Wed ... Crow wing Co.

J. H. Aero & Co's Gen' Arst. Roy E Bryant Eng
Kerry Transit & Chain Harold Aero Flag & Ch.
300 ft Steel Taps Drath Center hubs plumbst.
Big Compass.

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Emil Pittelkow axe man
H. F. Cochran. axe man. we go to Cor
of Sec 11-12-13-14-Twp 137-27 where MS
notes Call for a post and B.T.S., viz
ang 5" S 5' W 38 = 250.8 ft.

Oak 12' S 2 1/4' E 53 1/2 = 34.98 ft.

Cap 11' W 26' W 64 1/2 = 42.44 ft.

Oak 12' N 25 1/4' E 107 1/2 = 70.62 ft.

we find the tree 12 inch Oak which check out
perfect @ 6' 45" var and find distance bet. N.E.
& S.E. lines to be 1.30 ft short.

105.60 ft U.S. chain = 104.30 ft my chain.

= .0123 of a foot short. in each foot.

We set a hub and tick at true cov.
after which the old B.T.S. stands as follows

Oak 12' S 2 1/4' E 34.98 ft. U.S. Ch = 34.55 my Ch. (43 short)

Oak 12' N 25 1/4' E 70.62 ft U.S. = 69.75 my Ch. (pt. 87 short)

@ 6' 45" var

the other B.T.S. appear to be good.

We make new Bearings as follows.

From true cov. Hub we run in sec 11.

John W. Carr Roy E. Bryant

Board Sheet June 1917

25 26 27 28 29 30

SUN

1. B

SUN

JULY 1917

8 9 10 11 12 13 14 15

Mrs H A Cochran

JW Curo

Roy E Bryant

Harold Curo

0 0 0 0 - - 0 0 0
 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0
 0 0 0 0 0 0 0
 0 0 0 0 0 0 0
 0 0 0 0 0 0 0

157

Mrs W^m Buchite

JW Curo

Harold Curo

Roy E Bryant

Mrs Curo & Reed

0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0
 0 0 0 0 0 0 0
 0 0 0 0 0 0 0
 0 0 0 0 0 0 0

Roy E Bryant

Two roads 137-27- Watertown Two
Crow wing Co Min

7

JUNE 27-1917 Cont'd 11-12-13-14

North $58^{\circ}30'$ W to 5 inch tamarack tree which we
have there run south $48^{\circ}30'$ E 102.60 ft.
to Sec. Cor, being place of beginning.

Thence in Sec 12 we run N $79^{\circ}20'$ E 40.70 ft.
to 6 inch live Oak. which we have thence
run south $79^{\circ}20'$ E 40.70 ft. to Sec Cor
place of beginning run thence in Sec 12
S 28° E 47.30 ft. to 4 inch poplar which
we place. thence run N 28° W 47.30 ft. to
Sec Cor of beginning

Run thence to Sec 14 S $44^{\circ}15'$ W 34.40 ft.
to 10 inch poplar which we place. thence run
North $44^{\circ}15'$ E 34.40 ft to Sec Cor place of
beginning all at $6^{\circ}45'$ U E

Start Line

From this cor we start a line North @ $8^{\circ}30'$ U.
bet Sec 11-12 and set picket

Start Line

Then start a line West bet Sec 11-14
@ 8° U and set picket.

Then continue West and spot trees
about $\frac{1}{2}$ mile. to mud lake.

Quit for DINNER

all take dinner with Cochran use
auto in forenoon

P.M.

MC. 97

we all walk to U.S. MC N^o 97. bet Sec

Ray E. Bryant. JWC:uro

8

Twp Roads

137-27

Watertown
~~Cross Lake~~ Twp
Crow Wing CoJune 27-1917, could
N^o 97

West

Bass Lake

2-11-137-27. on west side Bass Lake.

where U.S. Notes furnished us by County
Surveyor Ingman called for post
and Bels viz and

White pine 13" N 69 $\frac{1}{2}$ " W 44 LKS. =

White pine 12" S 67 W 113 LKS. =

Mr Schrein + Mr Pittelkow show us
a burned white pine stump which they
totally positively identify as one of the
old B.T.s.

Other men who they say can identify this
old B.T. stump are

J.H. Allen - Fred Alwood

Fred Johnson - Wm Buchholz and

Louis Garrison.

We set the limit over this
stump and find by the shore line of
Bass Lake that it would not be
possible for this to have been the
SW. B.T. - therefore it must be the
NW. B.T. and using it as such we
set a hub and back for

9° 11' ?

M.C. N^o 97. after which @ 9° 11' over
the old B.T. stump bears N 69 $\frac{1}{2}$ " W 29.04
feet to flat spot at base the other tree

By E. Bryant Jwenn

Twp Roads

137-27

Water town ~~Chase~~ Lake Twp. 9
Crown Wing Co

June 27-1917 could
is gone having been plowed out in
a field

We then go to MC. N^o 14 where
MC 14
Mr Pittelhow and Mr Cochran show us
two other stumps which they identify as
the old U.S. BTS. but on the notes we
have do not call for any BTS. at
this point Curo decides to go to
Brainerd to-morrow to check up the
notes

We return to MC. N^o 97 from
MC 97
which we run ^{West} west @ $9^{\circ}11'0''$ on random
2-11
let sec 2-11- @ 300 set Hub 470 Hub.
600 State 801.65 Hub 20 ft East of marsh.
to west to Cross Cause Hub ^A to be set on
West sid of marsh 10 ft E of old main
wagon road and ft. West of
marsh

Then to get distance across marsh.
with transit @ Hub 801.65 W. from telescope
West on hub ^A over marsh and turn 50°
to right and chain 154 feet across neck of
marsh to Hub "B" Then chain from Hub
"B" to Hub "A" a distance of 335.20 feet

Then with transit at Hub "H" found
Roy E. Bryant & Curo

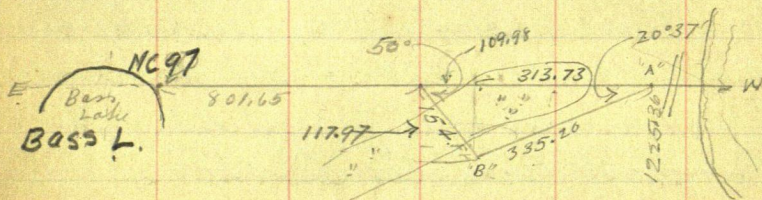
10 Top Roads 13727

Watertown
Cross Lake Twp
Crow Wing Co

June 27-1917 Cont'd

East on hub 801.65 feet then turn
telescope to left $20^{\circ}37'$ to Hub "B".

Distance to hub "A" is feet. added to
801.65 feet = feet. to hub over
marsh.



$$\begin{aligned}\text{Cosine of } 50^{\circ} &= .64279 \times 154 = 109.98 \\ \text{Sine } 50^{\circ} &= .76604 \times 154 = 117.97\end{aligned}$$

$$\begin{aligned}\text{Cosine of } 20^{\circ}37' &= .93596 \times 335.2 = 313.73 \\ \text{Sine } 20^{\circ}37' &= .35211 \times 335.2 = 118.63\end{aligned}$$

109.98 plus 313.73 = 423.71 added
to 801.65 = 1225.36 distance to Hub
over marsh

at 1235 old stage road N & S

at 1265 edge of sand in

at 1307 enter water edge

As it has been raining for the past
hour and begins to rain harder
and as it is almost 5 P.M. and
Cochran's house is near and so

By E Bryant - JWC

Crow Wing Co 137-27

Twsp Roads
Cross Lake Twp
Watertown Twp

June 27-1917 cont'd

all have two hours work of field notes
we quit for night and go to Cochrans
where we work on these notes till
6-20 then Harold & Curo go in car
to Buchile's for supper and back
to Cochrans at 7-30 and find
Bryant has gone fishing in Barr
Lake Curo & Curo work on notes
till 8-30 and go back in car to
Buchiles for the night

Bryant still with Cochrans

June 28-17.

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Continuing Survey of Twp 137-27.

Curo leaves for Brainerd with car for special
field notes for survey of Twp 137-27.

Roy E Bryant Harold of Curo H. F. Cochrans + Emil
Pettilow go to corner of Sec 11-12-13-14-137-27

Est by Curo and continue line started west
by John H Curo with Compass Roy E Bryant
transit man Harold of Curo Flag + Ch.

H. F. Cochrans as man Emil Pettilow as man
cut line & chain as follows 9° 15' N.

John H Curo

Roy E. Bryant.

12 Roads 137-27

Watertown
Cross Lake Twp
Crow Wing Co Minn

June 28-1917 Thurs

11-12-13-14 West

@ 91 1/2 Enter Swamp @ 200 Ch St @ 400 Ch St

@ 450 ft leave swamp enter high ridge @ 593³⁵ Hub. D.C.
on high ground. @ 600 Ch St @ 710 leave ridge enter

swamp. @ 800 Ch St @ 1000 Ch St @ 1200 Ch St @ 1320 Ch

St we leave swamp enter high ground. @ 1400 Ch St

1403.40 Hub D.C. @ 1570.50 Hub D.C. Near sea wall

@ 1594.50 enter water on East shore of
mud lake to find distance across lake with transit
@ Hub 1570.50 focus telescope west on hub "H"
over lake and turn 5°42' to right and set hub
"B" on west side of mud lake.

Just for dinner Harold C. & Bryant & Din
Cochran.

Continuing survey. setting instrument
over hub "H" focus telescope on hub B 70.50
turn 90° angle to hub "B" then chain from
hub "B" 124.90 ft to hub "H" making ang 29°18'



Fry E. Bryant.

Watertown
~~Swamp~~ Tank 137-27
 Crow wing Co Min
 June 28-1917 Cont'd

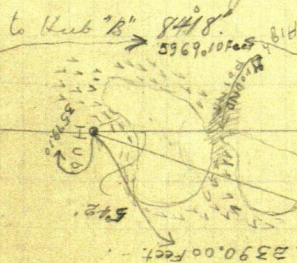
Roads

13

Continuing line from Hub "H" 2819.50 as follows
 leave high ground enter swamps @ 2144.50 @
 3000 Ch St 3200 Ch St leave Swamps. 3400 Ch St.
 3579.10 Hub. 3600 Ch St. 3646 ent waters edge
 of mud lake on East side of Great Cove. first for
 night @ H. F. Cochran's. - Bryant. Harold @
 Buchities.

June 29-1917 Cont'd. Friday

Continuing line ^{West} west from hub N° 3579.10
 to find distance across West west point of
 mud lake. setting instrument over hub 3579.10
 from telescope over lake to Hub "A" and turn
 54° to right and set hub on West side of mud
 lake. then walk round lake to Hub "H" and
 focus telescope on hub 3579.10. and turn 90° angle
 to hub "B" 239. feet. set transit over hub "B" + focus
 telescope on hub 3579.10 on East side of lake.
 and turn to right to hub "A" and read angle.



239 X 10 = 2390 Feet
 Distance Across Lake.

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By E. Bryant

14

Roads 137-27

Watulion, trip
Aon Hing Co
Minn.

June 29-1917.

wt 'search for Bt's. but find none.

U.S. Notice call for post + Bt as follows
m West side of Lake M.C. N^o 1 (J.P. 6 S 71 W 131 Lts. J.P. 6 N 45 W 81 Lts.) We do not find any.

10-11-14-15

of these Bts also Sec Cov of 10-11-14-15-

U.S. Notice call for post + Bt as follows.

"J.P. 6 N 3 1/2 E 94 Lts." "J.P. 8 N 4 1/2 W 949 Lts." "N.P. 16 S 3 1/2 E 247 Lts."

W.P. 12 S 38 W 334 Lts." wt search for these Bts but

all trees are burnt. So continue line West to
transit over hub 5269.10 which proximately.

sets West of corner 698.10 feet focus telescope

East on hub 3597.10 on East side of lake.

and continue line ^{West} West 6000 Ch St. @6200 Ch St @ 6200 ^{Stk} Stk @ 647345 ms @ 6400 Ch St

6600 Ch St 6800 Ch St 7000 Ch 7200 Ch St 7400 Ch St.

7600 Ch St 7694.5 hub. 7800 Ch St 7920 Ch St

trip 14th wt search for Bts but find

nothing Stumps all burnt U.S. Notice

Call for Stake and Bts as follows

N.P. 20 S 70 W 24 Lts. = 15.85 feet

J.P. 20 N 14 W 21 Lts. = 13.86 feet.

We do not find Bt's.

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137-27
Watertown Trip

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12 13

11 Hwb 593.85 W

Hwb 1403.40 W

Hwb 1570.50

1570.50
1249.50
2819.50



84° 18'

1249.50 90°
A'' = 2819.50 W

3579.10 W Hwb

5° 42'

3579.10
2390.00
5969.10

2390.00

Hwb A'' = 5969.10 W

239.00

Hwb 6473.45 W

Hwb 1586.10 W

Hwb 7694.15 W

12 13
14 15

25.50

10 11

5133.60 W

15

15

W

16

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June 30th 1917 SaturdayJohn W. Curo - Leaves home at fair
2 1/2 miles N of Pine River and goes in Ford car
to Mrs. Bucholtz Farm in Sec 2-137-27

Lute breakfast with Bucholtz Harold

Curo still staying with Bucholtz

Roy E. Bryant still staying with
H.A. CochranBryant - Cochran and Harold C. in one
crew Begin @ cor to Secs 11-12-13-14 -

137-27 and run North on 8° var (9° 45'?)

North Bet 11-12

At 165 cubic swamp. 300-600' slabs

891.40 Hat @ 900-1200' slabs

1318.20 Hub Double Center Hats

Eat lunch on line

PM continues N.

North

@ 1500' slabs 1800' slabs

1908.45 Hat - 2100-2400' slabs

2640' N hat in cen of road running

NE and SW for temp 1/4 cor bet sec

11 and 12 - 137-27 where U.S. notes

call for

4P 75 55° W 23 Lks = 15.18 Ft

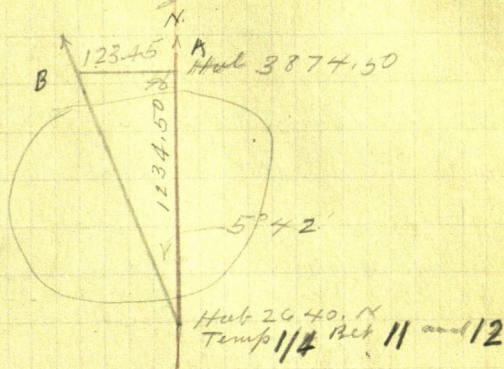
4P 53 50° E 72 " 47.52 "

Find no B.T.S. and continue North

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June 30-1917 cont'd
at Hab 2640 we triangulate



Transit at Hab ^{2640 N.} 2640. Carry Hab "H" to west
on N side of lake. Turn telescope $5^{\circ} 42'$
and set hub "B".

Transit at Hab "H" back sight to Hab
2640. Turn 90° R. intersect line bet
Hab 2640. and Hab "B". Dist. to intersection
= 123.45 ft. Dist over lake 1234.50
added to 2640 = 3874.50 Hab over
lake. Continue North North West
Bet 11 + 12.

at 3900. 4200. 4500 set stake
4800. stake 5036.15 Hab

5180 edge of grass on shore of
Lake 5194 water edge So side
Bear Lake. Bryant gets 13-14. + 5 upper

June 30 - 1917 Contd

With H.H. Cochran Lunch out on line

John H. Curo and Hm Bucholtz
followed Bigant's transit line ^{West} but

Ran 11 & 14 - 137-27 and look for old BTS.

Ht MC N^o on E side of mud Lake

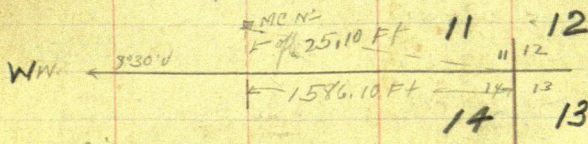
Obs notes call for point 2397 LRS W in E side of lake

Scrub Pine 6 N 6 1/2° W 29 LRS = 19.14 Ft

" " 6 S 65 1/2° E 37 " 24.42 Ft

We find stumps of both trees plainly marked
from which we set a hub and look for the trueMC by flat chain from face of figures
after which the old stumps stand as follows
old BTS stump N

S

Ht Hub 1570.50 W the MC. at
1560 ft west to 1586.10 West and
North 25.30 feet

Correction =

$$\begin{array}{r}
 1586.10 - 25.10 \\
 \hline
 1561.00 \\
 92390 \\
 \hline
 29305 \\
 130850 \\
 \hline
 126886 \\
 39640 \\
 \hline
 31722 \\
 \hline
 79130
 \end{array}$$

June 30-1917 contd

We walk around S. end of lake to West side
and look for M^cN^e where US males
call for pot on W. side of lake

All are gone

From Hub 2819.50 W 1 space 9 spaces East
to water's edge

2819.50

27

2792.50

leave water

Continues West and look for Co. to
10-11-14-15-137-27 137-27

Where US Males call for

YP6 N3 $\frac{1}{2}$ ° E 914 LKs = 603.24 FT

" 8 N4 $\frac{1}{4}$ ° W 949 " = 626.34 "

WP16 S31 $\frac{1}{2}$ ° E 248 " = 163.68 "

" 12 S38° W 334 " = 220.44 "

We find the stumps of both white
Pine trees (the SE stump being plainly
marked from which we set a stake for the
line on by flat chain from face of
stump)

Am Bucholtz waded to his arm
pits to set the stake

The stumps then stand about a k.
for course except that the SE stump
R E Bryant John W. Cunn

137-27

20. June 30-1917 Contd

Between 11 and 14-137-27

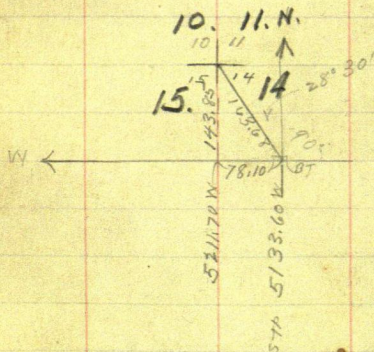
157

sets two steps west of normal line
West The random line running
West passes about thru the
face of figures on the SE B.T. stump
which chains 5133.60 W

At 5133.60 W = B.T. marker
on face of SE Stump from which
point the cor to

Seen 10-11-14-15-137-27

sets N $28^{\circ}30'W$ 163.68 ft course
turned from random line with
Big Compass $\delta 9^{\circ}15'$



$$\sin 28^{\circ}30' =$$

$$\cos 28^{\circ}30' =$$

$$.47716 = 78.10 W$$

$$.87882 = 143.85 N$$

At 5211.70 W the cor to 10-11-14-15

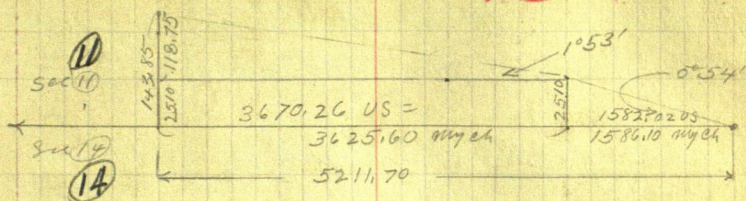
137-27 sets N 143.85

June 30-1917 Cont'd
 Bet 11 & 14-137-27

137-27

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Connecting S. line Sec 11.

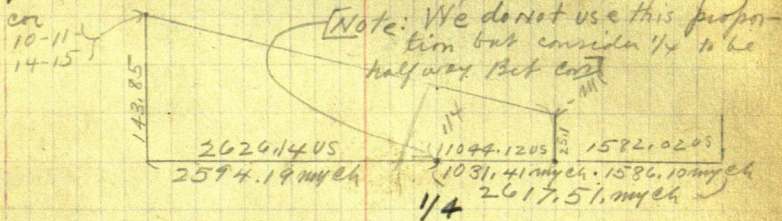
Correction for 1586.10 = .015825 N = 0°54'

" 3625.60 = .03275 + 2510 = 1°53'

1582.02 FT US = 1586.10 my ch = 4.08 Long

3670.26 FT US = 3625.60 my ch = 44.66 short

5252.28 FT US = 5211.70 my ch = 40.58 short
 10-11-14-15



3670.26 US is short 44.66 ft = .0121681 short

1044.12 is short 12.71 and = 1031.41

2626.14 is short 31.95 and = 2594.19 my ch

Note: As the 1/4 on S. side of sec 11. is not in place and cannot be fixed it has as good a right to be ignored as there on North side and I fix N-S line half way bet side lines

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July 30-1917 Contd 137-27

To correct line

Bet 11 and 14 137-27

East of Lake + MC on E side Pg 12

.015825 N.

Hub 593.85 W gas N OK

OK

Hub 1403.40 " gas N ... OK

" 1570.50 " " N. OK

" 1586.10 W " N. 25.30 to MC OK

West

Correcting of MC.

West of Lake and MC on E side =

.03275 +

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June 30 - 1917 Saturday Cont'd
 Bryant - Cochran - Harold Begin
 @ Cor to 11-12-13-14 - 137-27 and
 run North on random line

North Bet 11 and 12

at enter open bog

at Lv " "

at Hub

at Hub

at Hub

Ht 2640 N. set hat in cen of old
 main road NE + SW

Temporary 44 on bet

Bth Secs 11th 12 - 137-27

where U.S. males call for

Y. Pins 7" S 55° W 23 LKS =

Y. Pins 5" S 50° E 72 " =

All appear to be gone

Continue North

at enter Lake

From Hub 2640. cause hat "A"
 to be set on N. side of lake

Turn 5° 40' 30" to Left and
 cause Hat "B" to be set on N. side
 of lake Transit on Hat "A"

back sight on Hat 2640 turn
 back W curve

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137-27

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June 30-1917 Cont'd Saturday

90° to R and run West 121.68 ft
to intersection with line which was
run N 5° 40' 20" W. set Hub.

see p1

42

To

45

Tangent of 5° 40' 20" = .09933 Nix

Distance over lake 1208.65 feet
added to 2640 = 3848.65 to hub
over lake

Continue North (+51.35 =)

At 3900 stakes @ 3957 enter plowed
field 40 ft W of S.E. cor @ 4100 stakes 5000 Hub

MC No 14 on So side of

Bass Lake Bet Sec 11 and 12

bears N 16° 40' E 171.60 ft ^{63 ft N of}
= ^{E of Road}

Ft N. and 49.21 ft East

At 5164.39 Ft. N. MC sets

East 49.21 feet

5° 40' 20" Tang = .09933
cot = 10.0681

121.68
.09933

36504
36504

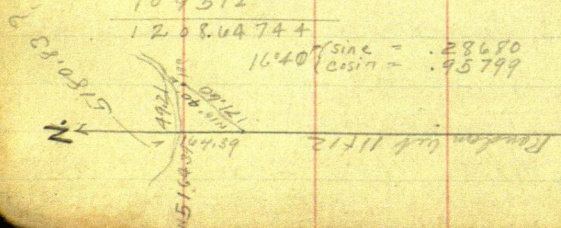
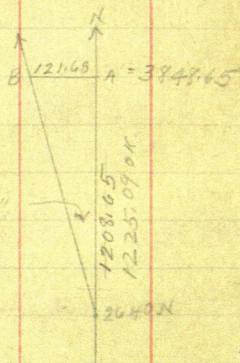
109512

109512

1208.64744

16° 40' (sin = .28680
cos = .95799

5° 40' 20"



June 30-1917. Could
Herald Caro still staying with
Wm Bucholtz

Caro and Bryant leave in evening
for Jenkins after Caro gets supper
with Bucholtz and Bryant supper
with Corbion

Caro leaves Bryant at Jenkins
and goes home to farm N. of Pine
Rivers

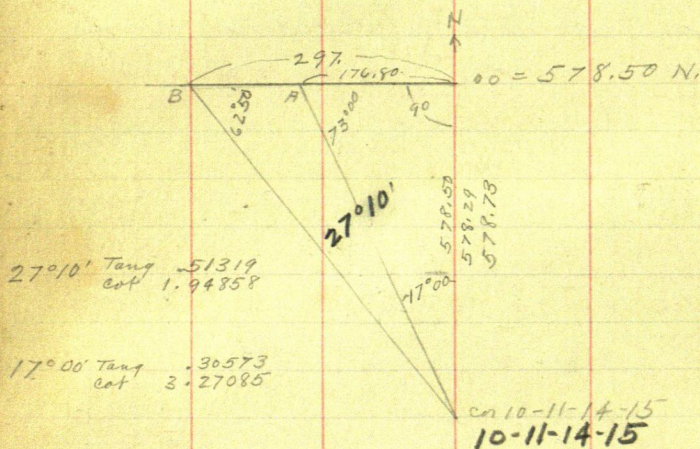
July 1-1917 Sunday ...

Family re-union at Hoch-
all there but Nellie

Merley and family - and our
family go

Return home in evening.

Jabm W Euro



$$\begin{array}{r}
 3.27085 \\
 1768 \\
 \hline
 2616680 \\
 1962510 \\
 2289595 \\
 327085 \\
 \hline
 578.286280
 \end{array}$$

$$\begin{array}{r}
 194858 \\
 297 \\
 \hline
 1364006 \\
 1753722 \\
 389716 \\
 \hline
 578.72826
 \end{array}$$

$$\begin{array}{r}
 578.29 \\
 578.73 \\
 21157.02 \\
 \hline
 578.51
 \end{array}$$

137-27

157 27

July 2nd 1917 Monday

I go to Cross Lake Vic Jenkins
to pick up Bryant.

Harald Haid over Sunday with
Buchli.

All three take Breakfast with
Buchli.

I take Harald - Bryant and Pittel-
kow to point 33 feet North of water's edge
on N. side of Lake North of Corner to
Secs 10-11-14-15-137-27

We look for the North E and NW
old B.T.S but as they are gone
we drive +

Hab 'O', 33 ft N of water
Set transit on 'O' Back sight S.
on true cor set in water on S.
side of lake -

Turn 90° Right and run West
At 176.80 ft West set Hab 'H'
at 297 ft West set Hab 'B'

Transit at Hab 'H' Back sight
East on 'O' and run 73° 00'
R. to Sec Cr 10-11-14-15, 137-27

Transit on B. Back sight on 'O' run R
62° 50' to Cr 10-11-14-15-137-27

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137-27

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July 2-1917 contd

Distance over lake 578.50 = "Hub 0"

10-11-14-15

Back sight on cor 10 10-11-14-15 - 137-27

North

and run N. at 578.50 Hub 0 (goes E 16.64)

at 243.8 + 578.50 = 822.30 Hub goes E 23.65

" 734.0 + 578.50 = 1312.50 "

" 1114.50 + 578.50 = 1693.00 " (E 48.69)

" 1408.20 + 578.50 = 1986.70 " (E 57.15)

" 1819.70 + 578.50 = 2398.20 " (E 69.02)

(1312.50 goes N 2.34 to 1314.84)

(1314.84 goes E 37.82 to S 1/2 16 bet 4-15)

2629.68 goes E 75.64 15 run 14

10-11

At 2640 N. stump 1/4 bet 10 and 11 - 137-27

US notes call for first and

Scrub Pine 9 N 20 1/2 W 72 LKS =

" " 12 N 63 1/4 E 71 " =

all are gone

At 4124 links being 2721.84

ft N US notes call for MC No 17

Bts viz

Scrub pine 10 S 57° W 3.2 LKS =

" " 20 S 57 1/2 E 54 " 35164 Feet

We find the 20" stump of the S.E. BT plainly marked. The shore has been washed away till the stump sets in the edge of the water. This stump originally stood

137-27

29

July 2-1917 Continued

157



July 2-1917

137-27

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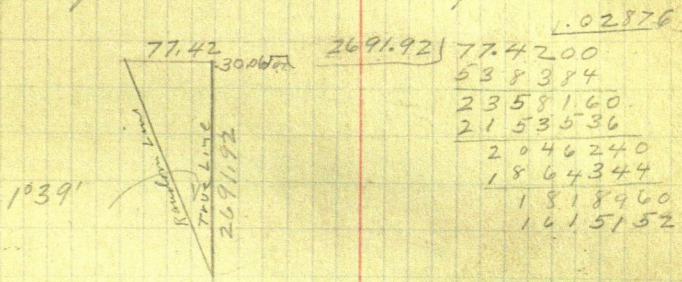
31

Ht 2702.69^{ft} US BT sets E of line 30.06 US

Ht 2691.92^{ft} my ch BT sets E of line 107.48 my ch

Gaug North 2702.69 US = 2691.92 my ch
 = 10.77 ft short = .00391 short
 each ft N. goes .00391. South

Ht 2691.92 N ft for line West of BT
 stump in East 77.42 ft



Ht 2640.14 run S (.00391) 10.32 ft to
 2629.68 N. Then East 75.64 ft where
 we set a 2x2x48 inch iron being boiler tube
 in large mound of dirt for the time 1/4
 Cor bet seen 10 and 11 137-27
 10-11

Correcting back
 Each hub goes East .02876 E

July 2-1917 Cont'd

Wm Buchitz and Curo go to M.C. N^o
on S. side of Bass Lake between 11 and 12
where US notes say: "at 7853 N post
and BTS - Vig.

WP 10 S 29° W 48 LKS = 28.38 Ft

" " 15 S 78° E 334 " = 220.44 "

We find the SE stump plainly marked
and the SW tree stump dimly marked
from which I set a hub & took for the
line M.C. by flat chain from face of stump
after which the SE stump sets 6 ft about
too far north and the SW stump bears
about S 20° W

Hub sets 10 ft 20 of water

Bryant staying with Cochran

Harold Curo " I staying with Buchitz

157

John W Curo

July 3-1917 Tuesday

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Bryant-Harald + Pettelkow begin
at a point 2.60 ft S. of $1/4$ bet Secs 10-11
and run East thro Cen of sec 11.

at 100 E we are ft 20 of E & W road
and ft 20 of top of sharp 25 ft bank of lake
At 200 E we are ft 50 of E & W road and
ft 20 of edge of 25 ft hi bank of lake
At 300 set stake in fork of road
S. of E & W road and ft 20 of top of hi
bank of lake

one branch of road bears S. and joins
main road in a few ^{400 ft} hundred feet

at 400 ft E we are ft 20 of road
and ft 20 of hi bank of Pine Lake

The old main road winds its
way N.E. ly around shore of Pine Lake
100 to 200 ft from water all high bank
Continues line East

at 762.10 Hub 1368.40 Hub
1855.80 Hub.

Curo + Bachili lake angle of the two
random lines at $1/4$ on N. side of sec 11.

Angle roads S.E. angle $89^{\circ}00'$

then go to MC N^o on East side of
Pine Lake bet Secs 2 and 11-137-27
John W. Curo

157

July 3-1917 could
where US notes say:

3887. Lks West MCN = Bts Vig

WP 24" S 14° W 24 Lks = 15.84 Ft
" 14" N 80° E 113 = 74.58 Ft zone

We find the 3W 24" stump of the old B.T.
from which we set a hub & lick for the true
M.C.

All quit at noon and go home to
Jenkins and Pine River for the 4th

Brachio & Pettelhorn finish out the PM
making stakes and cutting line

I take Bryant to Pine River and he
catches a ride home to Jenkins
with Sluright Curo

Alma has got \$25.00 from the
Farmer State Bank at Pine River
So Harold and I spend a few
dollars on the old car and go
home to the farm.

Alma and Harold wash clothes
Cook and decorate the car up all
night - I guess

John W Curo

At Park Rapids

35

July 4th 1917 Wednesday

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We all go to Park Rapids. To home
@ 8. or 10.45 J. Alma - Harold - Gerald
& Reed. Harold drives part way

Discover Clarence Estabrook
and family on claim half way to Pk
Rapids

Meet Guy H Todd who turns over
keys to St House and instructs me
to take care of Sawyer's office

Alex - Fola - Mable - Emmett and
we all play with Fannie & Tom

July 5th 1917 Thursday

All day at Park Rapids

Spent \$7.36 on car at
garage

Rent rooms from Fred Riney @ \$6 per mo
I am to send this \$6. to Guy or to
Riney

Guy takes 5. PM train back to St Cloud
via Bemidji

John W. Cunn

July 6-1917 Friday

All AM. in Park Rapids with
Fannie & Tom.

Bargain for rent of house owned by

@ \$9 per month

P.M.

Lo @ 2-20 at Jenkins 6-P.M. Mable &
Emmit with us.

Alex Flora - Tom & Fannie come in
"Bunch 6" with Wilson's linen

Supper with Wesley - - Gerald & Harold
stay with Vinny & Frank Bryant

Alma-Reed & I go home to the farm

July 7-1917 Saturday

All day on farm Bryant and
Harold at Jenkins

July 8-1917 Sunday

Farm to Jenkins - dinner with Cass
6-P.M. Alma-Reed Harold - Roy and I
come to Cross Lake.

We get supper with Rachels Harold & Roy
supper and overnight with Cochran

\$9. ch. not to see.

John W. Cass

July 9-1917 Monday

Bryant-Harold-Pittellhorn Culmies

E This camp see 11-137-27

762.10 -

1368.40 -

1855.80. Habrunt

July 3rd

at 2278.80 Hab 2675.40 Hab.

3000.50 Hab

3294.20 Hab

3615 culm lake N to

Came Hab "H" to be set on East side
of lake. From stake 3300 E chain E

to 3578.10 E Hab 25 ft West of water
over which set transit. Focus on Hab "H"

600 ft East of water and on E side of lake
lunn R $11^{\circ}24'$ to Hab "B" set 300.90 ft S
of "H" at 90° to random

$11^{\circ}24'$

Tang. . 2016.4

Cor. 4. 95945 \times 300.9 = 1491.94

1491.94 added to 3578.10 = 5070.04 to Hab
"A" from Hab A chain East 80.50 ft
added to 5070.04 = 5150.54 to P.P.S

of random lines near $\frac{1}{4}$ Bet 11 & 12 -

Ht 5150.54 E. culm set N to
Random @ 2654.30 North

From Hab "H" East it is 80.50 to P.P.S
of random

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137-27

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July 9-1917 contd

Curo - Buchile - and
Barly work in another crewCorrect up line bet sec 10 and 11,
as given on Page 28 this book2629.68 N. goes East 90° to random 751.64
ft to T.M. $\frac{1}{4}$ bet 10 and 11

2398.20 N goes E 69.02

1986.70 N " E 57.15

1693.00 N " E 48.69

1312.50 goes N. 2.34 ft to 1314.84

then E 37.82 where we set a Hub and

look for the line S. $\frac{1}{16}$ bet sec 10-11

137-27

822.30 N goes E 23.65

Hub 0. being 578.50 N goes E 16.64

to Hub for Angle Point of road and
sets 33. ft N of water's edge of lake
P.M.I take the whole crew to miles
in auto to $\frac{1}{4}$ cor bet 8 and 9137-27 being an iron bolt set
by Surveyor G. Laro several years
ago for the line $\frac{1}{4}$ from which

Bryant runs East 8' Sae

Buchile and I then come back
John comes

157

137-27 Watertown

38

July 9-1917 Could

Buchite makes slakes while I figure

" huts his hand- This blow out

Bryant runs ^{East} E thro camp sec 9.

At 397.70 Hub 848.60 Hub

1060 old road bears SE & NW

at 1570.10 Hub 2177.10 Hub.

Quit at old road - for night

Pittsboro takes Bryant and Harold Cues
across Pine Lake in boat and they
still stay with CochranI meet them with car and take them home
to Cochran

John W. Cues

July 10-1917 Tuesday

Curo and Bailey Correct E line
sec 11- Buchilt goes West of Pine
Lake to look up old boiler to get
boiler tubes for iron sec corr

Bryant - Harold - Pettelhow and
August Noren continue East
this end of sec 9. 137-27

all Bryants crew take lunch along
Bailey takes dinner with Buchilt
Rains in A.M.

P.M.

Bailey - Curo - Buchilt sit near
monuments and beg measuring

at MC N^o 98 on E side of Pine
Lake bet Secs 2 and 11-

Also at MC N^o on West
side of Bass Lake bet Secs 2 + 11

Also MC N^o 14 on S. side of
Bass Lake bet Secs 11 and 12

Rain Rain Rain

Cochran helps set these 3-

Then Curo - Buchilt + Bailey
start in car and meet Bryant
and Harold Curo coming in on
account of rain about 3 P.M.
got in we cur

July 10-1917 Could 137-27 ✓

41

Bryant goes back with us to work
Herald goes on in to Cochran

We go to $\frac{1}{4}$ cor bet 11 and 12
where Cuss and Bryant check the
triangulation of the lakes.

Bachelor and Bailey set iron
Wires at Cor to 11-12-13-14 and
also at M.C. IV^e on E side of
Mud Lake bet Sec 11 and 14-137-27
all get in wet.

Bryant and crew Begin at Hub 848.60 and
^{East} continue E. thru camp sec 9-137-27

Ht 1570.10 - 2177.10 Hub

Ht 2640 Hub Temp cent sec 9
3236.40 Hub and quit on account
of rain at 2:15 P.M.

Herald & Bryant with Cochran

John W Cuss

July 11-1917 Wed

Bryant - Harold - Pittelkow

East → continue E thro sec 9

but cannot find $\frac{1}{4}$ cor on E side

nor cor to ³⁻⁴~~2-3~~ 9-10-137-27 2-3-9-10

Curo-Buchite-reckon E side of
sec 11 Bailey comes late and

we set the iron $\frac{1}{4}$ cor bet 11-12

also iron in cen of sec 11 - 137-27

and cut line North North 137-27

See Page 24.

Bryant - Harold - Pittelkow and

Noren continue ^{East} E thro sec 9. 3236.40 Hub

Ht 3900 Hub. 4424 Hub 4962.50 Hub

5280 set Hub for line $\frac{1}{4}$ bet 9-10

137-27 US notes say

Head Pine 5 S 85 W 14-

" " 4 N 85 E 40 LKs = 26.40 ft

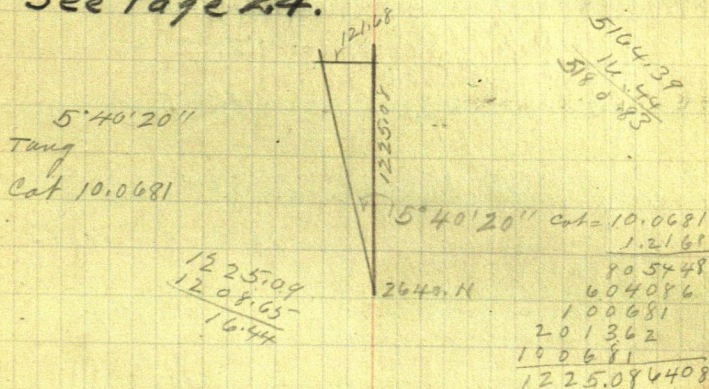
100 not find them and look for MC south
on lake and also for cor to 3-4-9-10-

137-27 Find nothing and quit for
night Harold & Bryant still
with Cochran

July 12-1917 Thurs

To correct the E bdy of sec 11
137-27 I find that I figured the
distance across Gaylett lake wrong.
Gaylett lake is just N of 74 but sec
11 and 12 and my triangulation of
it was 1208.65 while my figures
today show it to be 1225.04

See Page 24.



Yesterday I figured the total length as
5164.39 while today I find the
correct length to figure 16.44 feet more
or 5180.83 my chain

US Chain is 5182.98 Ft

being 2.15 ft short

5182.98 | 2.150000
2665192
848.080
518298
3297820
3109788

5182.98
5180.83

2.15 short

44

137-27

157

July 12-1917 Could

Concluding 11-12

264
416
1584
264
1056
109824

Hub 2640. goes South 1.10 ft
15 2638.90 N. and as the total
distance of 5180.83 ft North is

off 49.21 too far west each foot = .009498 E

1.009498

5180.83 | 49.21000
4662747
2582530
2072332
5101980.
4662747
4392330

Hub 2638.90 goes

East 25.08

To line 1/4 cor bet

Secs 11 and 12

49.21
0°33'
264
95
1320
2376
25.08

5180.83

on 11-12-13-14
137-27

As I have already set in iron

monument at this 1/4 cor bet 11+12

at a point 9.46 ft S and 25.06 ft E of.

Hub 2640 N. I will change it to a point

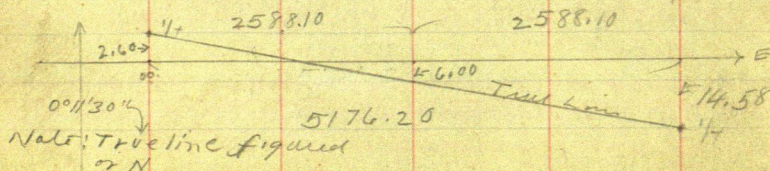
0.02 of a foot East and 8.36 ft N of

the present position

At 2638.90 N the 1/4 cor bet 11+12

goes East 25.08

At P.I. of Random the 1/4 sets 25.66 E
East to 5176.20 E and South 14.58 ft S



July 12-1917 could 137-27 **157** 45.

as I have set an I.M. wrong for the cen of
Sec 11-137-27 I now change it a few feet
Ht 2588.10 E on random line center sets
South 6.00 feet

And at 1294.05 E on random the
 $\frac{1}{16}$ in cen of West half of sec 11
goes South 1.70 ft.

Buchholz and Curo set transit
on hut 2588.10 E on random line thro
cen of sec 11-137-27

Focus Fork and turn $90^{\circ} 17' L$ and
assuming the E & W random or
line E & W we run N $17^{\circ} W$ and cut
line over $\frac{1}{4}$ mile N. to Pine Lake
being on line N & S cen line See Pg 29

Roy E Bryant - Herald J Curo -
Pittelkow and Noren.

Set transit over Hut 5280 E on random
near $\frac{1}{4}$ bet **9-10-137-27** turn $90^{\circ} 15'$
Random and run North Needle reads $7^{\circ} 15'$

Ht 321.70 N Hut 1429.40 Hut
2469.60 2640 Mals.

Out for night - Herald & Bryant
with Cochran Mr & Mrs Curo & baby
with Buchholz John W Curo

46 Crow Wing Co

137-27

Waterdown
Temp Roads

July 13-1917 Friday

Cano-Cano-Bigant-Pittellhorn

+ Noren go to the En of Sec

3-4-9-10-137-27 where US notes

Call for post and

Y Pin 20 N 45° E 36 ties - 23.76 Ft

W " 24 N 68° W 138 " 91.08 "

Y " 20 S 10° E 55 " 36.30 "

Y " 20 S 32° W 113 " 74.50 "

We find all four stumps flat
which check out to a faggel for
measurement and almost level for
course @ 8° U

Except that the SE stump is 0.80 of
a foot too close

NW stump and SE stump quite well
marked now one plainest

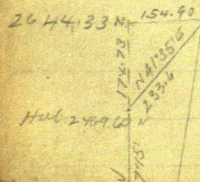
Union Hub for line corner to

3-4-9-10

3-4-9-10-137-27

Ht 2469.60 N. the Sec corner
N 41° 35' E 233.60 ft

41° 35' Sin = $66311 \times 233.6 = 154.90$ E
Cos = $74799 \times 233.6 = 174.73$ N



174.73 added to 2469.60 N =

2644.33 N Corner East

154.90 ft

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48

July 18th 1917 Contd - 137-27. Crow Wing CoTo correct the line West thro
Cen of sec 9-137-27

$$5452.20 \text{ into } 4.50 = .000825 \text{ N}$$

$$= 0^{\circ}$$

157

Correcting back

Hub 5452.20	goes N	4.50
5280.00 E	" N	4.36
4962.50 E	" N	4.09
4424.00 E	" N	3.65
3900.00 E	" N	3.22
3236.40 E	" N	2.67
2640.00 E	" N	2.18
2177.10 E	" N	1.80
1570.10 E	" N	1.30
848.60 E	" N	0.70
397.70 E	" N	0.33

0.0. = $\frac{1}{4}$ west side of sec 9-137-27

Bryant-Harold Curo-Noren correct
this and set hubs and stakes and
at the $\frac{1}{4}$ cor bet 8 & 9. pull up the
small iron bolt and put in its
place a 2" x 48" iron boiler tube
set its full length in the ground
in a low mound of dirt ~~the~~
because it sets at the south
end of a new laid out road

157

137-27

Watertown Twp Road 49

July 13-1917 Contd
and is just west of the wheel track
of the old main road running S
to Cross Lake P.O.

Then comes back and pulls up the
wood hut and puts in its place a 2" x 48"
iron boiler tube IM for the line corner.

to see 3-4-9-10 - T. 137-R 27

St 1344.41 Nix July 1930 Contd

random line put in a point - turn 90°
and run East 163.55 feet and set a
2" x 48" iron boiler tube for the line
North $\frac{1}{16}$ corner between near 9 and
10- 137-27 which is 1319.91 ft from
each us corner. Total length of the
North half mile bet 9-10 is 2639.83 ft

Pittellkow brings Curis across
Pine Lake at 2 P.M. gets two iron
monuments and gets back in time
to help Bryant set the last two
ims.

Curis takes car - runs to Bucholtz
farm - gets Bucholtz and drives to
'14 cor bet 11-12 pulls up the IM
previously set by him and moves it 8.36 ft
N and 0.02 of a foot East to its proper place
flattens out the mound and makes a
gabion corner

Begin at bet 14-27.40 N and elev 1062.88 to 1324.40 N. N. # 108.53

50

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137-27

Crows Wing Co

Waters town Roads

July 13-1917 could
 new high-mound- then corner West
 and changes the river he set in the
 center of sec 11-137-27 a few feet North
 as follows. See Page 44.

At 2588.10 E on random turn 90° and
 chain South 6.00 ft and set 2" X 48"
 Boiler tube in low mound of dirt
 for the true center E of sec 11-137-27

From this can we chain North
 along the true N + S can line previously
 run by me @ N 0° 17' W assuming
 E + W can random or E + W

At 350-600-900-1200-1500^N at
 stakes Bryant and Harold

get thro about 6:30 and meet us
 about 7-20 in time for Bryant to
 help us Bryant works line

on line but the cen of sec 11 and the
 1/4 cor on ^{West} side Bucholtz
 and Curo set a row of hubs half

mile West along true E + W can line
 of 11 for road can Quit and get
 home in Car about 7-40 PM

Harold C. and Bryant still with
 Cochran. Curo-Wife and baby with
 Bucholtz John H Curo

137-27

157

51

July 14th 1917 SaturdayWm Bucholtz and John W. Curo H & B
transit - 300 ft Chicago Steel tapeBegin @ stake 1500 N and continue
N on ^{true} line of sec 11-137-27At 1800 stake: at 1949.30 cor of
old main traveled stage road bears
NE & SW.At 2008.40 set iron monument
being 2x48 inch boiler tube in
large mound of dirt on level land
Thence down slope to lakeAt 2078.20 Hub on seawall
at 2082 edge of seawall enters
sand beachAt 2100 stake at 2154 enter
water edge of Pine Lake
Bears NE and SW.

We then cut out and run out the
angle line of road running NE
and intersect N & S cen line of Sec
17-137-27 at a point 1288.20 ft
North of the iron center post

Begin @ a point on line line 1288.20
ft N. of cen of sec 17 - we run
John W. Curo

52. July 14-1917 137-27

157

N. $23^{\circ} 36' 30''$ E at 1185 cross
new wagon track road NWSE
1200 stake, 1500 stake

cross N line of
Sec 11 - bet 2×11 N E of MC
and N. W of MC
SE angle reads

St. 1592 enter bend of main stage road
runs SW at 1691 L. E. end of
bend of old main stage road runs
N-W at 1800 - 2100 stake
at 2400 less 6.00 ft = 2394 ft
intersect old H.P. stake set by
Jas Ingram 300 ft (about) E
East of Cochran's house

Mr. Bailey arrives about
10-00 a.m. and helps Bucklin
and I till noon

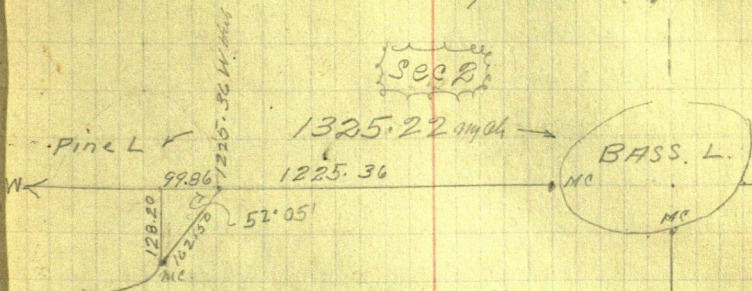
Bryant and Harold go to
NECN of Sec 2-137-27 being a
stone set on the trap line and chain
South along the new cut out
road.

Bryant sets landmark over Hub 1225.36
West of MC. No 97 back sight East:
Then on MC. No 98 on E side of Pine
John H. Case

July 14th 1917 cont'd 137-27

53

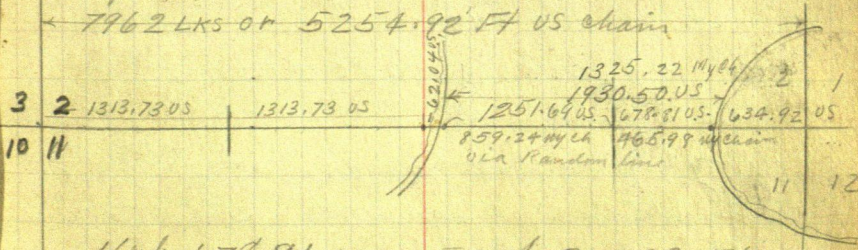
Lake bears West $52^{\circ}05'S$ 162.50 feet to
 to $37^{\circ}55'W$ 162.50 ft See Pg 10



Sec 11

$52^{\circ}05'$
 Sine $.78891 \times 162.50 = 128.20 S$
 Cosine $.61451 \times 162.50 = 99.86 W$

Chaining West from MC N^o 97 To
 N^o 98 Bet Bass Lake and Pine Lake
 is 3887.4 LKS Minus 962 LKS = 2925 LKS
 or 1930.50 Ft US. and is 1325.22 ft my chain
 being 605.28 Ft short in 1930.50 = .31354
 ← 7962 LKS or 5254.92 Ft US chain



Hub 678.81 goes East 212.83 Ft
 To 465.98 West Then South $45^{\circ}08'$ to
 line East $\frac{1}{16}$ cor bet secs 2 and 11.

Each hub goes .096738 of a foot South
 John W. Wren

54 July 14-1917 137-27 **157**

for each foot West. $.096738 = 5^{\circ}32'$

$5^{\circ}32'$ Tangent = $.09688$
 Cotangent = 10.3224 Then do work

1.096738

1325.22

128.2000

192698

893029

295132

978880

927654

470.00

465.98

4.02

512260

397566

1146940

1060176

At 470 Chain E 4.02

Hd 465.98 W. guess 45.08 T. line E 116

801.65 W. S 77.55 T. line see line

1225.36 W. S 118.46 T. ..

Bryant and Harold Curo do not find the 14 bet sec 1 and 2 but just cut South

The Watertown. Twp Board meet at Cochran's house in P.M. and we put in the following bills

Roy E Bryant Engine work \$60.00

John W Curo Engine work \$50.00

Harold J Curo Flych \$24

I make out the other bills for board and @ \$.35 c a meal or \$1.40 for day

July 14-1917

137-27

157

55

it takes me nearly till 3 PM to get
out the bills Bryant helps me
and as soon as Harold signs their
Bills over to me I take them and
go in car to Cross Lake P.O.

get 5 gal of gas and go to
Mr Heath's place and he records
checks. as there is no money to
pay same. We do not have time
after I get back to do anything.

Harold & Roy still stay with
Cochran and my wife and I
with Reed still stay with
Baehle.

I make our board bill out
up to and including dinner
tomorrow Sunday as we intend
to work till noon free of cost with
no charge for going home.

I'll go to a bean dance at
Bill Jenkins place 2 miles north

Jahm W Cur

July 15th 1917 Sunday

It rains all AM and we
are unable to work

P.M.

I go in car to Cochran and
reud then two roads

Then when it clears off a few
minutes I and Harold with Roy and
Cochran go to Hub

and Chain East to West
then South 90° angle and set a 2x4x8
inch boiler tube for the East ^{E 1/4} 1/4. bet
Sec 2 and 11- 137-27

It sets between the roots of an old
2 ft cypine stump

Mrs Cochran will mound it up
tomorrow. It rains hard and we
beat it for home. To Buchilis about
6 P.M.

Road bad and we go to "Bonnie"
Jenkins get 5 gals gas @ \$1.50

Car bucks and we drag
into Jenkins late at night

Roy and Harold stay with
Mrs Frank Bryant. Alma and
baby stay with Willy, Mattie and

July 15-1917

Jenkins 137-27

57

Dwight - left for St Paul today
Wesley and Mary are alone

157

Jenkins

July 16-1917 Monday

Roy Harald and I go to
Pegusht I get our checks cashed
at Pegusht state Bank @ $\frac{1}{2}\%$ discount
Pay Roy \$25. on account gives
Harald $\$23.75$ or he stands 25^c being
his share of the discount

Then give Harald $\$7.75$ being the
amount of borrowed money I owe him
in full

I get the car fixed at
Pegusht garage - repairs being a
broken front spring we get stalling for
Jenkins amount $\$7.50$

and we all get back to Jenkins
and stay in the same places over
night Harald is with Mr
Pegusht where he has been since we
left him when we went to Cross Lake
Elwight - Mattie and Doris
still in Mpls or St Paul

John W. Caro

135-28

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59

July 17-1917 Tuesday

Alma - Roy - Harold and I go
to the farm via Pine River

Then back to P.R. and out to
Mitchell Lake drive where we leave
Harold who is going on the drive

Roy Bryant takes his father's
old car back to Jenkins

Alma baby and I start
straight thru for Brainerd via Pelican
Lake where I am trying to get
some surveying to do

Car goes burn and we drag
into the farm house of Mr Chas E
Sandanell who lives on the NE 1/4

Sec 8-135-28

We got stuck and
had Mr

pull our car
out with one horse Our car is on the
burn again and we are trying to get
into Brainerd

(I paid Vern Hordy \$3.00 in full
for two trips to the farm and one with Alma
paid it before I left Pine River). Harold
handed me \$2.50 to give to Mrs
Bryant pt pay pt board in full.

John W. Carr

July 18-1917 Wed

I pay Mrs Handanell \$1.50 for our
lodging and we pull out for Bramm
where we stay all day copying field
notes of 135-28 get new eggs in
our car and get out of Bramm
about 8 P.M. Car cost Wash^g 6.00
parts \$8.00 Plug \$1.50 other
supplies including oil about \$3.50
Total \$19.00

We get back to Jinkins at 11 P.M.
too late to stop and we pull on to
our farm 2 1/2 miles N of Pine River
where we stay over night

Gerald and Roy still at Jinkins
with Roy's mother.

July 19-1917 Thursday

Alma - baby and I. on the farm
I pay Ed Harmon \$5.00 but due for
milk & eggs - Pay Mrs Roy
Blackburn 10⁰⁰ but for milk and
return her seal for

Go to Pine River where I meet
John Moulster who I pay \$6. balance
full for 3. trips to the farm @ \$2. each
to crank my car

Make out bonds (with H. H.
Skill or surety @ \$500.) as
Guardian of my own children.

Baker made out the papers
Pine River to Jenkins where we
get Roy and the money outfit.

I give Mrs Bryant Horolds \$25.00
which she almost refuses to take
and we pull out for Lake Edward
Twp 135-28. Forget our rifles
run back 400 ft to Jenkins and
pull out again - Car back 2
miles S of Pequot and we go back
to Pequot garage. where we stay
till 10 P.M. before we find that
only our break rod is put on wrong

July 19-1917 Could
and he only charges 30¢ I give
him 50¢. Roy took Mr. Kruger
to take him back to Jenkins

We get back to Jenkins
11 P.M. and stay over night
with Mrs. Bryant.

①

135-28

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July 20-1917 Friday

Trip of Lake Edward

Crow Wing Co. Minn.

Chas E. Dandaneil ^{July 14} Chairman

Herbert M Hamilton Trustee

E H. King "

Harry Clerk

Tony Treas

Survey Record 147

I pull out of Jenkins about
6-30 a.m. with Alma baby
and Roy - Two survey outfits

Arrive Dandaneil's place about
9 a.m. to find that he has been
gone since 7-30 to work on survey
and that we are to all board with
Mr & Mrs David King
who live on Lot 2 - See 10

135-28.

We run on to cr of sea

15-16-21-22- 135-28

where we find all the crew
waiting. I start out one crew
and will work in another crew
John W. Carr

64 135-28

② Lake Edward Turb
Crow Wing Co

July 20-1917
myself.

147

At the corner to Secs 15-16

21-22 T135 R28 MSnalis call for
Post and

See pg 75.

We do not seem to have the bearing lines
given in my notes but will look this
up later.

A sign board post setting in
the center of 4 cross roads and in
a mound of dirt is supposed to be the
true corner as established by the
former County Surveyor.

Mr Everett H. King who has lived here
for 19 years says positively that this
post sets in the mound at the true corner
but to check on it I decide to chain
out in 4 directions.

Roy E Bryant Gurling Transit
double center hubs 300 ft steel tape
and plumb-to-b chain. working
in one crew with H M Hamilton - and Chas
E. Dandaniel Ch. Louis. Saenger and F.W.
Lester Axmen. I get the crew started

Time Sheet Working For Lake Edward Twp

July 1917

SUN 20 21 22 23 24 25 26 27 28 29 30 31

John W. Curo

Expense

Hunt

Roy E. Bryant

Chas E. Dandaneil

Herbert M. Hamilton

Everett H. King

Louis Saenger Jr

Fred W. Lester Jr

Harty M. Haff

W.S. Hunt & Team

Raymond Hunt

147

66 July 20-

④ Crowley Cr

back sight on sign board post
which is in line with a road running
South and run North bet Secs 15 & 16

135-28

Var about 9°

147

At 300-600. stake 900 stake

965.15 Hub 1200 1500. 1800

1808.50 Hub 2100-2400-

2040 N. look for $\frac{1}{4}$ Cr bet 15 and
16 T135 R28 where US notes say

BP 8S59°E 115 Lks = 75.90 FT

NP 16 N 52° W 100 -- 66.00

All appear to be gone and we continue
North @ 2700 stake

2785.30^N Hub 2950 Hub

At 2966.50 N. the center of a 20"
tall dead N.P. blazed on both
N & S sides near West 1.60 FT
at 3000. stake set 1.70 ft East
of a point where old line of fence
posts runs South. The fence is ~~very~~ gone
and the remains of the old posts are
very old.

At 3001.68 limp point for M.C.
on brink of 4 ft^{hi} sea wall which
slopes 1 to 1 and is 4 ft high

US notes say, "North bet Secs

Board Sheet July 1917

	SUN		22	23	24	25	26	27	JUN		28	29	30	31
	D	DB	0	D	DB	SL	DB	DB	DB	DB	DB	DB	DB	DB
John W. Curo	SL	SL	0	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Mrs Curo and Reed	D	DB	0	0	0	0	0	0	0	0	0	0	0	0
Roy E. Bryant	D	DB	0	D	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
	SL	SL	0	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

Boarding with Mrs. M. David King

(5)

147

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68 July 20-1917 (6) Lake Edward

135-28

Tap

15 and 16 - Var $11^{\circ}E$

147

At 35.00 Pokegama road bears NE & SW

@ 40.00 set $\frac{1}{4}$ cr BR 85 59 $^{\circ}E$ 115. NP 16 N 52 W 100

@ 45.48 set M.C. B. Oak 65 36 $^{\circ}W$ 33 NP 18
S 64 $^{\circ}E$ 54"

This shows the US chain to 45.48 LKS
on 3001.68 Feet

E.H. King and I drive Alma and baby
to Mrs. Hove Kings place then come back
in car and look for the M.C.

The old till dipping looks as tho it
was marked for a line tie and checked
out with an old big pine stump only the
stump is too close to the water and would
throw the line about 20 ft west of the line
tie.

I decide to use the tie or a line
and the lake shore for chainage
as it is a perfect seawall for that
purpose.

I think I will use the sign
board post for the center
15-16-21-22-135-28.

P.M.

I take the crew back to camp near
15-16-21-22-135-28 and as it is

July 20-1917

⑦ 135-28

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147

too brushy along the So side of the old
crooked wagon road we drive a hub
12.00 ft North of limps. car being Guid. board
post and run West for 90 about

then King and I go back and search
for 14 bet 15 and 16-135-28. I find
two stumps not marked which check
out mighty well with compass & tape
for the 14 but are about 30 ft E of our
random and would throw the 14 about
20 ft to far South of the lake

I will not use these and we go in
car about 3 miles to the cor of sec
14-15-22-23-135-28

where MS notes call for post and

Oak 6" N 13° E 147 LKs =

B.L.P 12" N 6° W 205 " =

" " 6" S 71° E 296 " =

" " 10" S 61½° W 210 " = 138.6 FT

All the trees are gone and would
come in what is now a plowed field except
the stump of the SW tree which is
plainly marked "B.T."

This tree was cut some years ago
by _____ and the County Surveyor
made him bring back a part of the body

70 July 20-1917

⑧

135-28

of the line bearing the section marker
according to all the town board

Mr. who lives on the
SW Cor of sec 14- and the

who lives on the NW
Corner of sec 23- 135-28

had old County Surveyor Whitley
establish this corner and run a line
East about $\frac{1}{4}$ mile to Lake Edward
and establish the MC. from
one SW B.T. the MC post still sets
under the old E & W fence

Mr

got sore at

Mr

and built a

new E & W fence which he started
at a point 2.00 ft South of the Cor
of 14-15-22-23-135-28 and run

S. Easterly to a point 5 or 6 feet south
of the original old fence

Mr

takes his fence and
marks the center of the NW Cor fence
post from which point I meas-
ure North 2.00 ft and set a flag
pole then back sight by eye
East along the old original fence
and run a line of pickets 20 feet

July 20-1917

⑨ 135-28

71

West - this fixes the position of
this corner as to N and S.

then to get the corner to East & West
I chain 138.60 feet from the face
of the B.T. marks to an intersection
of the picket line at which point
I set the sec corner

Survey Record 147

Roy Bryant and crew run West
bet sec 16 and 21- 135-28

Hamilton Fly & Ch - Dandanell Ch.

All Bryant does is run transit
and take all plus measurement to
the hubs. Lester and Soenger are

@ 525.15 W Hub

" 1192.90 " "

1901.10 " "

at enter meadow

at 2370 leave " enter narrow

point of solid land coming from the
North at 2400 stake on point

at 2415 enter big open meadow

at 2640. set stake in big
meadow 300 ft East of flat
marshy lake.

Nat'l: Bryant Begun 21. H. 20. of letter on

72 July 20-1917

(10)

135-28

Crow Wing Co

US notes say "East random bet
16 and 21- 135-28 U 11°50'

1900 Marsh - 4000. Limp $\frac{1}{4}$.

4342 L^o Marsh 60.50 Pokegama
road N x S. 8014. interest line 47
L^o N. of corner

Run West

N 89° 40' W line line bet 16-21 '11°50'

40.07 $\frac{1}{4}$ BP 105 33 E 110

BP 11 N 72° E 137

8014 Cont to sec 16-17-20-21-
as established"

All appear to be gone and
Bryant and crew return to limp
On to 15-16-21-22-135-28

back right on sign post and
run East S 9° along road

At 734.90 Hub 1320 set limps $\frac{1}{16}$
hub and Quit for night

Here I pick up Roy & King and we
all go home

Crew & Bryant stay with Doug
King

John W. Crow

July 21-1917 Saturday **147**

Curo and auto with King and Dandensell go about 5 miles SE to see Mr. who is making a cement barn and who agrees to come Monday to set cement posts for sec corners.

I telephone to M. D. Clark to Beamed Whin to send me an 8 inch stove pipe today to Merrifield and send bill to John W Curo. Box 12. Beamed Whin

Then I give Mr. an order to the Sto Apt a P.M. at Merrifield for the Pipe and he is to get it this P.M.

We then drive back to 14-15-22-23-135-28 where Dandensell walks a mile West to meet Bryant & crew King and I stay to check and set cor to run 14-15-22-23-135-28

We drive a hub and tack for the line corner as given on Pg 8-9. after which the old stump stands

74. July 21-1917

(2)

135-28

S $61\frac{1}{2}^{\circ}$ W 138.60 feet @ "940' Var
taken carefully with H+B Transit.

BTS @ On hr 14-15-22-23

135-28 Fence post sets East and
2.00 ft South. 20.40 feet away
Tack in

Fence post S $83^{\circ}20'E$ 20.40 Ft

" " S $54^{\circ}48'W$ 55.15 "

" " N $35^{\circ}49'W$ 32.30 "

" " N $31^{\circ}E$ 30.37 "

Sign Board Post N $22^{\circ}50'E$ 32.40

Bryant & Crew Continue E
bet 15-22-135-28 17°30'

@ 1320 Hub: 2103.60 Hub in road
2040 " Temp $\frac{1}{4}$ bet 15 and 22

U S nalis calif.

WP24 N $39^{\circ}W$ 184 LKS = 121.44 Ft

WP22 S $88^{\circ}W$ 280 " = 184.80 "

3537.50 Hub 4440.00 Hub

5144.30 Hub from which
then to run 14-15-22-23

bears East $27^{\circ}14'N$ 49.50 ft

on $27^{\circ}14'$ Left

on N $62^{\circ}46'E$ 49.50 ft

27°14' Sine = $.45762 \times 49.50 = 22.65 N$
Cosine = $.88915 \times 49.50 = 44.01 E$

July 21 1917

(13)

135-28

75

Ht 5188.30 East the Cr to 14-15-
22-23 sets North 22.65 Feet

147

Ht Cr to 15-16-21-22-135-28

US nobs call for

NP 22 N 82° W 23 = 15.18 Ft

NP 20 S 24 W 160 = 105.60 "

BP 12 N 60° E 186 = 122.76 "

BP 8 S 62½° E 139 = 91.74 "

See Page 64

PM

Bryant and crew Begin at sign
board post for limps Cr to see
15-16-21-22-135-28 and run
South along road

@ 300-600-900 1200 stakes

@ Hab on raise where he
sets transit and continues S.

@ 1500-1800-2100-2400 stakes

at 2600.60 set hub from which
the 1/4 Cr bet 21 and 22-
bear N 84° 03' E 37.20 ft

84° 03' Sine = .10366 x 37.2 = 3.86 N
Cosine = .99461 x 37.2 = 37.00 E

Ht 2596.74 Ft South of sign
board the 1/4 Cr bet 21-22

135-28. sets East 37.00 feet (Wrong) ^{see} P7
 Bryant and Crew quit and walk home.

147

Curo-King - and Fred Lester

Continues Bryant's line West bet
 16 and 21 - 135-28 1940'

at 2400 chain West to

2478.30 West and set hot "H" in

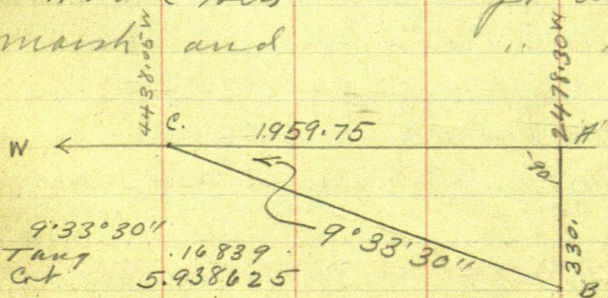
big open meadow 450" E of water

From Hot "H" turn 90° and
 run South 330 Ft to Hot "B"
 and from Hot "H" cause Hot
 "C" to be set on West side of
 lake.

To the Cor and Transit (H & B)
 to hot "C" back sight on "H" and
 turn (R) $9^{\circ}33'30''$ to Hot "B"
 which has a red flag

Hot "C" sets
 marsh and

ft west of
 " " " water



$9^{\circ}33'30''$

Tang
 Cut

.16839
 5.938625

$5.938625 \times .16839 = 330.00671 + \text{OK. etc.}$

2478.30 added to 1959.75 = 4438.05

Feet West to Hub marked O.O. and

= 4438.05 Ft West.

Recorded 147

We then walk West about $\frac{1}{4}$ mile to cor of sec 16-17-20-21

135-28 US notes call for Post x.

BP8N22°E6 LKS = 3.96 FT

" 8N64°W21 " - 13.86 "

" 9S62½°E74 " - 48.84 "

" 10S28°W65 " 42.90 "

We find the NW tree standing green and plainly marked - also the NE tree down with roots

holding from the tree I set a hub and lock for the line S. cor by flat chain from face of figures

Stump of old tree checks about 3 ft too close we ignore this or it is not marked

A post set by Harold Knutzen sets $\frac{1}{2}$ foot SE.

From my line cor the old BT, bear N54°W 13.86 FT

old BT. N 65°E 3.96 ft.

We mark new BTS as follows

78 July 21-1917

(16) 135-28

JP 7 N 41° W 69.90 Ft

JP 15 N 65° 30' E 62.20 Ft

" 8 S 41° W 36.65 "

Plumprf " 10 S 36° 15' E 102.90 "

to locker in flat spot of bore

@ 9° 00' set with big compass
and steel tape for the line on
to Secs 16-17-20-21-

135-28.

Quit at 600 and do not get home
till about 7 P.M.

Supper with Love King then
take car and Roy - Alma Reed
and I go to Jenkins
Arrive about 9 P.M.

Heavy thunder and rain
all night we all stay with
Viney Bryant.

Roy goes to a dance at Piney
Ridge Ralph just got home

Recorded

N: 147

John W. Carr

July 22-1917 Sunday

All with Bryants at Jenkins.
Harold and Frankie get in from
the drive on a visit and Roy takes
them both in Ford.

Wesley-Swight and family - Alma
Reed and I all go to Hoy Lake.

Alma goes from Bryants to Swights
where she stays - I sleep on cot at Bryants.

Recorded 147

John W. Carr

80

147

18

135-28

July 23-1917 Monday

Roy and I to Jenkins

@ 6-30 H.M. on Kings 7-40

Pick up Char Seandaneel half way
to work and take him along

Bryant runs N bet 14-15-135-28

I continue line West bet 16-21

Curo - King - Lester work in one crew

Bryant - Hamilton - Seandaneel - Saenger
in anotherCuro + King give Dave Schrader
corner & grade stakes for a house 24x32
dinner with Dave King

P.M.

I take Bryant & Crew 1 1/2 bet
sec 14 and 15- 135-28help him put in the 1/2, make some
connections then drive to Hamilton's
house pick up King and Lester
and go West and bring up the
random bet sec 16 + 20-135-28Beg @ Hub 0.0. being 4438.05
West and continue West. Curo. + Lester
Chaining with broken tape 111 ft long
and using only 100 feet of the tape
@ 4438.05 Hub + 154.25 =

(19)

135-28
Lake Edward Twp 81
Crow Wing Co

July 23-1917 contd

at 4592.30 Hub

@ 4600 stake

4900 Hub

5200 stake

5300 stake

5500 Hub

Corner to sec 16-17-20-21-135-28

Set 0.30 of a foot West to 5500.30 W
and South 15.30 FeetBryant-Hamilton-Grandma's
Saenger Beg @ Cor to 14-15-22-23-

135-28 and run North along road @ 90°

@ 130.40 Hub on small hill at 300

600-900-1200-stake

1320 Hub. 1500-1800-stake

1863 end of marsh 2700 stake

2267 L^o marsh 2354.45 Hub

2400 stake 2640 Hub Turn 1/2

bet 14 and 15 135-28

US notes call for

" WP 24 N 30° E 50 Lks - 33.00 Ft

" 24 N 6° W 172 " 113.52 "

We find both stumps not marked
but they check out perfect @ 90°

Measurement perfect to NW stump

Only a shell of the NE stump

4438.05
154.25
4592.30
7.70
4600.00

147

82 July 23-1917 cont'd (20) 135-28

remains and we believe it would
be a foot too far away if it was
all these distances to center of the
NE stump is 35 feet from where
we place the hub for line 1/4 cor

At 2640. N the 1/4 bet
14 and 15 sets N $73^{\circ}30' E$
9.10 feet $73^{\circ}30'$

Sine . $95882 \times 9.10 = 2.58 N$

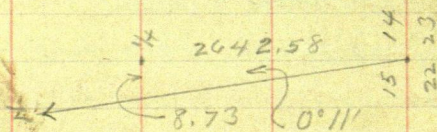
Cosine . $28402 \times 9.10 = 8.73 E$

147

At 2642.58 x the 1/4 sets E 8.73

Correcting

- .00330 = $0^{\circ}11'$



Hub 130.40 goes E 0.43 of a foot
1320 goes
2354.45

at 130.40" I set back
shot East 0.43

Bryant sets line with on
line 1/4 Back right on
line line and Continues North

July 23-1917 Contd (21) 135-28 83
Lake Edward trip
calling the 1/4 0.0.

@ 300 slabs @ 557.50 Hab - 600-900 sth

1188.50 Hab 1200-1500-1800 slabs

2030.50 Hab 2100-2400 slabs

2400 + 12 Hab

147

@ 2640 set slabs look for con

to see 10-11-14-15- 135-28

Too late to find B.T.S. and we

Quit for night

I used the Con almost steadily
all day back and forth for which
I will only charge \$2.50 the same
or other day

Byrant & I get supper at
our same place Dove King's
and @ 7.15 PM we start for
Merrifield 4 1/2 miles

where I call up Jenkins and
ask Wesley if he knows what
Alma done today

Wesley says she called an
auto from Pine River to
take her to Pine River and
went there this morning
after I left Jenkins

I tried to get J.P. Brewer

84 July 23-1917 cont'd (22) 135-28

also Frank Hill @ 8⁰⁰ P.M.
but neither their house or office
answered the phone

tried to get them till 8-30
pd 25¢ for Wesley's call and
go back to Kings

Mr + Mrs King was out some
place till 11⁰⁰ about

I write a card from Winfield
to Bremer

We called at the house of Mr
W.S. Hunt and he agrees to come
to-morrow with his team and cement
outfit to set M.S. corner

Survey Record

No 147

John W. Curo

July 24-1917 Tuesday 147

Carr-Bigant L. @ 8 a.m. with Ford
car pick up Standanell & King go to
pick up Hamilton Lester.

We go to home of the Town Clerk
Mr Harry M. Haff

who goes with us to help

Ht cor to see 14-15-22-23-135-28
we meet Mr W.S. Hunt and learn
and his son Raymond Hunt

Mr King stays with them all day
and they set cement corner

Ht cor to 10-11-14-15-135-28

US notes call for

NP 16 S 51° W 133 LKS = 87.78 FT

NP 14 N 97° W 260 " = 171.60

Oak 6 N 49° E 154 " = 101.64

No other ties commenant

We find the SW stump plainly marked
and two stumps (The only pine stumps
around) for the NW. BT.

Cuts at Transit-Bigant ch @ 9 o'clock
we set the cor from face of SW stump and
dime hub and look for the line cor
to see 10-11-14-15-135-28

Stump of old 14' pine bears N, about

July 24-1917 Could **147**
 $87^{\circ}W$ 167.70 feet This should be
 171.60 feet but there is another old
 stump 2 ft South and about 6 ft East
 of our SW stump which should or
 could have been the old B.T.

We only use the SW stump
 After which the South end of a
 mile of graded road lies
 21.50 feet East (off line as it
 was laid out by the Town Board
 with small box corner of Wb King)
 Ht 2640. N the Cr. to

10-11-14-15-135-28

bears $N 71^{\circ}10'E$ 28.90 Feet
 $71^{\circ}10'$

$$\text{Sine} = .94646 \quad \times 28.90 = 27.35 E$$

$$\text{Cosine} = .32282 \quad \times 28.90 = 9.33$$

Brigant sets Transit over random
 hub 2640 North looking South
 direct small hubs for correc-
 ion purposes at all chain
 stakes a half mile South on
 2450- 2100- 1800- 1500- 1200
 900. 557.50, and 300 N at
 small green Hubs from

July 24-1917

(25)

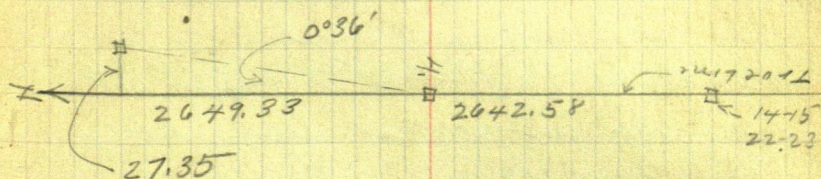
135-28

87

which we will chain East to line

line N $\frac{1}{2}$ mile bet 14-15 **147**

Bryant sets transit on $\frac{1}{4}$
bet 14-15 135-28. focus south
on line line and sets a line of
small green hubs along the
line line which we will re-place
later with solid big hubs to mark
the true sec line and road center.



Correcting N. half mile

bet sec 14-15-135-28

$$1.01032 = 0.36'$$

$$2650.1 - 27.35$$

300	gals E	3.10	600	gals E	6.20
900	" E	9.30	1200	" E	12.40
1500	" E	15.50	1800	" E	18.60
2100	" E	21.70	2400	" E	24.80

2649.33 gals East 27.35

Bryant does not stop to correct
this and I must hire crew and take
them West in the car.

88 July 24-1917 contd

(26)

135-28

Cuco-Hamilton and Harry M.
Haff go to the corner of sec
15-16-21-22 135-28 where US moles
call for

NP 22" N 82° W 23 Lks = 151.18 Ft

147

" 20" S 24° W 160 " = 105.60 "

BP 12" N 60° E 186 " = 122.76 "

" 8" S 62½° E 139 " = 91.74

We find all four stumps which
check out good for course and measure
The only stump well marked is the
N.E. stump and this is a 2 ft W.P.
or N.P. and is about 20 links too
close (Bearing 109.90 ft from corner)

Dist bet SE & NW stump is
0.70 of a foot too short and I
proportion the distance and chain
the flat distance 105.60 ft from the
SW stump all stumps almost check
for course except that the NW
stump sets 3 ft too far north

I ignore the NE stump and
set the corner by flat chain from the
other three

From this line corner to sec
15-16-21-22-135-28 just set

July 24 - 1917 (27) 135-28

135-28

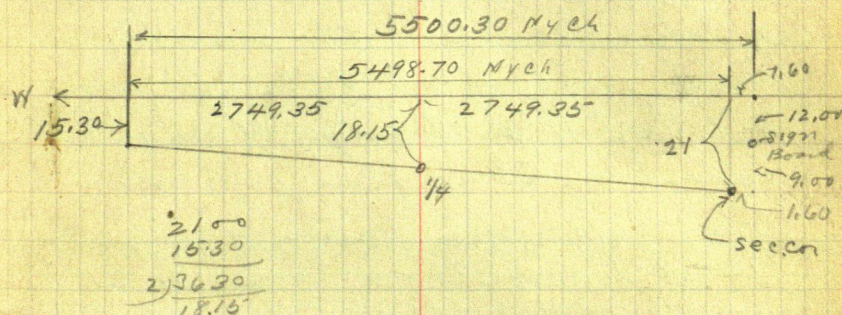
89

the sign board post which we
have been using as o.o. set
9. ft North and 160 ft East

147

Correcting

The line bet sec^s 16 and 21



Carr-Bryant and bath crew drive
half a mile West to a hat in meadow
on random line and from stake 2640W
we chain West 111.00 feet to 2750.95
West then 18.15 feet South where I
place a red flag for the line $1/4$
corner bet river 16 and 21- 135-28

As we will have to establish the
Center of the East half of sec 16
we will have to put in the cen of
sec 16. so with transit at the N
bet sec 16 and 21 which sds 200

90 July 24-1917

(28)

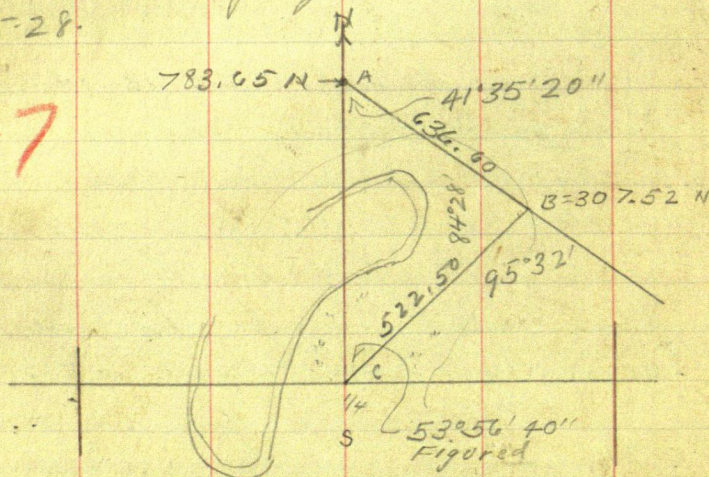
135-28

feet South and 200 ft East
of a swampy lake. Bryant has
Hamilton set a hub about 900 ft
North across lake - angle
turned @ 90° to E & W random

Then To get distanced across
the lake He carried the transit
North East about 600 feet and
set up on East edge of meadow
Back sight on flag pole N.W.
over lake - then turns Left
84°28' to red flag @ 1/4 bet 16-21

135-28.

147



Then taking transit to Hub H"
over lake back sight South on 1/4
C and turn 41°35'20" to Hub B."

July 24-1917

(29)

135-28

91

in east edge of meadow

Cross and Hamilton Chain S $41^{\circ}35'20''$
E. 636.60 ft to "Hot B."

Thence S $53^{\circ}56'40''$ W 522.50 ft
to $\frac{1}{4}$ bet 16 & 21-135-28

Dist across lake

147

41°35'20"
Sine . 66378 X 636.60 = 422.56 E
Cosine . 74792 X 636.60 = 476.13 S

53°56'40"
Sine . 80845 X 522.50 = E 422.42
Cosine . 58857 X 522.50 = N 307.52

307.52 N. added to 476.13 N =

783.65 North to hole over lake

Where we set - liant - back sight
South to flag at $\frac{1}{4}$ cor and set line
of pickets and two holes north for the
men to cut a picket line north
thro cen of sec 16. 135-28

I leave Lester and Haff to make a
long wood casing for an 8x8
cement post long enough to reach thro
the mud at the $\frac{1}{4}$ corner bet sec
16 and 21-135-28. Lester gets some
John Wears

92 July 24-1917
Crow Wing Co

(30)

135-28
Lake Edward Twp

old boards about 10 feet long
then they dig a hole about 3 feet deep
in the mud and decide there is
too much mud

147

Case taken Bryant-Hamilton
and Llandanell West to the supposed
corner to sec 17-18-19-20-135-28

This is a wood stake and a small
iron rod supposed to have been set and
recorded by Co Surveyor Garrison

Dave Schrader and Lew Knutson used
this corner in the survey of the Schraders
land (NE 1/4 Sec 20)

There are 4 small green jack pine
at this corner to sec 17-18-19-20-135-28
which are marked as new BTS and
which Mr Knutson tells Mr Schrader are
recorded in Record

I believe this corner is all O.K.
and will use it for the present

There is a new fence E & W from
this point which Mr Schrader tells
me is on Knutson's line line

I do not have the M.S. field notes of
this cor. to 17-18-19-20-135-28

Mr King & Hunt have been here
John W. Crow

July 24-1917 cont'd

(3)

135-28

93

147
pulled up the wood stakes and small
iron rod and put in their place an
8x8x36 inch cement post screw nail
in top and set its full length in the
ground for what I suppose is the true
corner. Notes 17-18-19-20-135-28

I tell Bryant to run East
on about the same line as the fence
he sets up transit and says the
fence runs on 12° so I tell him to
run his own line @ 9° or

Bryant read the compass needle
wrong as the fence only runs on $9^\circ 30'$
and he runs East on 8°

a few hundred feet - hides the transit
and I take Bryant-Hamilton-Mendall
back. Quit for night

Schrader tells me that H.A. Cues has
been badly hurt so I go to Jenkins

I leave Bryant at King's road
at 6 PM and get to Jenkins @ 6.54 PM

Try at 7.10 to get J.P. Brewer contact
facts to get him - then
photo in a call and get his name then
I try to get Frank Hall contact
John W. Cues

94

July 24-1917 Contd (32) 135-28

147

Central cannot get him - then I call.

Brewers residence Central says

she cannot get them then I call

Frank Hills residence. Then Vern

Hardy's office - then Hardy's residence

Central says she can't get any
of them. Time takes 20 minutes
from the time the last man talked

Then the Jenkins Central accuses
Pine River central of not trying to get them
and the Pine River Central admits that
she did NOT try and would NOT try
then when I get sore and kick P.R. Central
gets afraid and claims she had a call
in for some one in Jenkins and would
not get any one in P.R. till she first get
Jenkins - this is a damn lie because
if she had a call in for Jenkins she
would not have claimed she was
trying to get the people in Pine River

Then Jenkins central put me
on the line with Pine River central
and tell her I will report her to
the State Board of Control

She flies off the chair and calls

"Lead". Lead comes and

John W. Cuo

July 24-1917 contd

(33) 135-28

95

147

asks "what's the matter" I tell him
"I want service" and he says "it's
all the fault of your Jenkins contract"

I tell him "I know better - that
I have been waiting 20 minutes with
my watch in my hand - 3 men or
witnesses or and if he does not get
the papers I will report him to the
state board of control. He says "go
ahead and report" I demand a
call for Frank Hill. Olaf
says "go ahead and report"
and say "go ahead and report"
about 3 times and hangs up.

I take my car and go to Pine
River catch Elma and Reed on their
way to Reelion house with pint of ice
cream. I take them in the car and
we go to the farm where we stay all
night.

Hunt and crew set 8x8x36 inch
Cement posts about 5 ft. by using
an 8 inch joint of stone pipe at the
following corners.

On 15-14-15-22-23- also

John W. Curo

July 24-1917 Could

10-11-14-15- also 14 Oct 14th and 15th

also 15-16-21-22- also 16-17-20-21-

also Knutson's Cor li- 17-18-19-20, all in

T 135 R9 28. Total 6 corner

set by 3 men and 1. lian

Hunt @ \$3 a day, his lian @ \$2.50

and both other two men @ \$2.50 =

Cement about 1 sh to 3. corner @ 70¢

for rock Total cost just setting

labn \$10.50 cement 2 sh @ 70¢, \$1.40

= \$11.90 for 6. Cor = \$2. each.

Westly was only hurt by a fall of a
mattress from up Hans window

Sunny Record
No 147

John W. Curo

July 25-1917 Wed.

Lake Edward Twp

Crow Wing Co. Minn

147

Alma and I settle up with Frank Hill on loan - Alma gets check for \$3- bal on \$1200.00 mortgage

We leave Pine River about 4 P.M.

Get 4" inner boat at Pequet 75¢
 Just in - get ice cream & lunch \$1,
 and arrive Dave Knigs place late
 for supper - I get bread and milk I
 think

Bryant works viz ^{walks 3 1/2} miles

Roy E Bryant Quincy Transit 301' of
 run E or E bet 17 and 20 135-28

Var 9° (really only 8°)

@ 255.90 Hub 4 ft W of road.

300-600.

Bryant and King walk 3 1/2
 miles to work take lunch along
 met Lundanell and Hoff
 Decide to change and run

West. bet 18 and 19 U 9°

(only 8°)

Ht 200.70 West Hub

300-600-900-1200 stks

John W. Curr

98 July 25-1917 cont'd (36) 135-28

1377.40 W. Hub. 1604.15 Hub in
cen of N & S R.R. 147

1800 slake 1910.10 Hub near
seawall @ 1956.00 ^{work} water edge
on East side of Hubert Lake

Bryant has no field notes so
does not know the US Chain
or BTS

Bryant and crew found B.T.
marked by Garrison, setting
about 900 ft N of our random
line

No field notes set Hub 1910.10

Quit for dinner
PM

Bryant and crew

Beg @ Hub 255.90 East and
continues East bet 17 and 20 - 135-28

300- 600 slake.

891.80 E. Hub. 900-1200 slake

1200. Hub 1500- slake

1500.70 Hub 1800 slake

1908.00 Hub 2100 slake 2362.85 Hub

2400 slake. 2691.80 Hub

2700 slake. 2900. ? slake

2999.60 Hub 3000

John W. Carr

See Page 90 Book B.

July 25-1917 Cont'd (37) 135-28 99

3277.80 Hub 3300 slake Hub?

3600 slake 3757.80 Hub

3900 " 4160 E. end of marsh

4200 " in marsh 4500 slake in marsh

4800 " 4946.20 Hub. 5100 slake

and Quit-for night 147
leave outfit on line.

King - Scandamell - Haff and
Bryant walk $3\frac{1}{2}$ miles home
Curo is away with Car

Bryant still stays with Dave King

Hunt + son with team go to 4th cor
bet Secs 16 + 21 - 135-28 - & place a
 $8 \times 8 \times 36$ inch cement post set with
board box which they saw off 3 ft
long. Hunt says the cement
rests on the sand bottom in marsh
and that he run in a large base
of cement to hold the post upright

at MC bet 18-19 - E side Lake Hubert

US Valis say $NP 14 N 60^{\circ} W 120 = 79.2$ ft

$BP 65 75^{\circ} E 76$ Ecs = 50.16 ft. are run all
angles to find them but no for how not

This MC. is 3162 L. W of Cor 17-18-19-20
= 2086.92 F HUS

July 26-1917 Thursday

Still working for Lake Edward Twp
Curo-Bryant and Car meet crew
at car to Sec 15-16-21-22-135-28
AM.

147

Curo- & Bryant run car a mile West
retrahut at East end of cutting
near car to sec 16-17-20-21-135-28

Take Bryant & tools Pick up
Dandaneil and Pete Kardel?
(the Game Warden) and go back to
car of sec 15-16-21-22-135-28

Curo-Haff-go to Brainerd in
Curo's Ford to get special field
notes and to search the records
for new B.T.S. at car of 17-18-19-20-135-28
(Kardel goes along)

Curo & Haff copy the balance of the
H.S. field transcripts (except the Boundary
Twp lines) of 135-28.

Curo searches the records for
above corner but in the two books found in
Hadilton's office there is no record.

I search the County Engineer's
office but find nothing and return
to Kings for dinner.

John W. Curo

102 July 26-1917

(49)

135-28

@ 1320 set hub and quit for dinner

P.M.

147

Bryant and crew Begin @ Cor 15

15-16-21-22-135-28 and run South again
and correct the line pathing in the
1/4 Cor bet rears 21 and 22 - but make
a mistake and sets his post about
4.50 ft too far West.

Curo Hamilton + Seandaneil with car
dime 3X20 inch dry laminac hubs
along the true line on the South
half mile bet rears 14 and 15 -
135-28 pull up the small green
hubs set on the true line by
Bryant and put in their place
the big Tom hubs about every
600 feet.

Also chain the required dist
ance East from the small green
hubs on the North half mile
bet rears 14 and 15 and set the
big lamin hubs about every 600 ft
on the true line.

Still staying with King

John W Curo

July 27-1917 Friday

This is our last day for Lake
Edward Twp. Crow Wing Co. Minn.
and we are hustling to get this
To put in the $\frac{1}{4}$ cor bet sec
15 and 16 - 135-28

U.S. nalis call for

147

and at M.C. N^o on so side
of Lake U.S. nalis call for

We find the old tall 24 inch
dry pine trees marked on both
sides for the N + S Sec line and it
sets 1160 ft West of our random
line

I use the lake shore for distance
^{3.45 of link} and the line for line and

considering the line 6.00 ft over
length I proportion the distance
 $3001.68 \text{ ft OS chain} + 6.00 \text{ ft} =$
 $3007.68 \text{ " my chain}$

$3001.68 \text{ into } 6.00 = .00199 (2.)$

at 2640.18 chain N 5.28 to

104

(42)

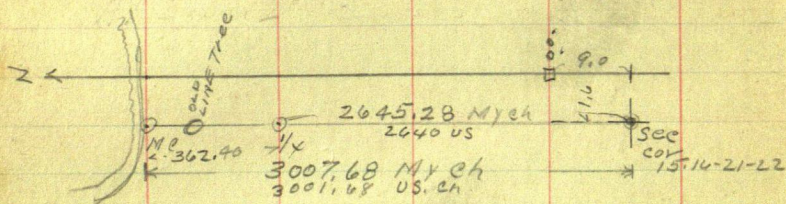
 Crow Wing Co
 Lake Edward Twp
 135-28

July 27-1917 contd

147

2045.28 N. then West 1.60 ft where
 I set a hub for the line $\frac{1}{4}$ cor bet
 15 and 16. 135-28

and at 3007.68 N chain West
 1.60 ft and set hub for line M.C.
 No bet sec 15 and 16 - 135-28



I consider the M.C. 3. Ft S. of lake shore
 At 2036.28 N on random run W 1.60 to
 $\frac{1}{4}$

At 1313.64 N on random - being
 1322.64 ft N of cor to sec 15-16-
 21-22 along the line line I set
 a small birch stake for the line
 $\frac{1}{8}$ cor bet sec 15 and 16
 135-28

Bryant sets up and runs a line of
 3 x 20 inch lam hubs along the line
 line

July 27-1917 cont'd (43) 135-28

105

Bryant and Hoff - re-chain the rail E of
bet seers 15 and 22-135-28 and find
the chainage perfect as previously
chained by Sandanell and Hamilton

Reg @ sign board post which
is 9.00 ft N and 1.60 Ft E of Con 15 seers
15-16-21-22-135-28. chain E of
along transit line

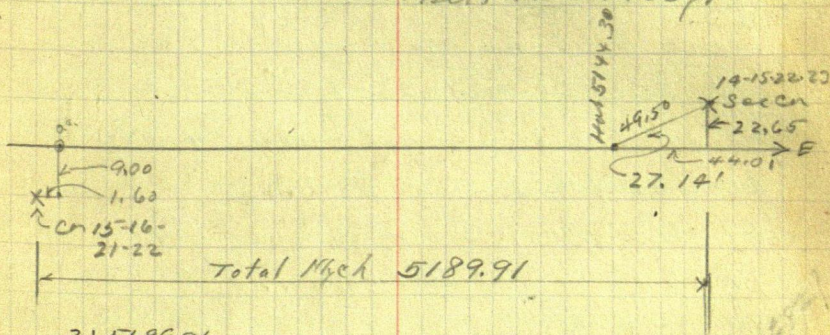
at 2640. Hub

at 5144.30 E the Con line

74-15-22-23-135-28

bear Left $27^{\circ}14' L$. 49.50 ft

At 5188.30 E Con sets N 22.65 ft



$$\begin{array}{r} 2) 5189.91 \\ \underline{2594.95} \\ 1.60 \\ \underline{2593.35} \end{array}$$

at 2593.35 E on random
chain North 6.82° feet
and set hub and back

for the line $1/4$ bet seers 16 and 22
T 135-R 28 over which Bryant
sets transit. back right on line

106 July 27-1917 cont'd

(44)

135-28

corner West and run a row of
3x20" lamin hubs along the entire
mile bet secs 16 and 21 about
every 600 feet

147

Cisco finishes running East
and hit out about .10 of a foot N
and call it O.K.

At $\frac{1}{4}$ bet 16 and 21 - 135-28
US molar call for

Bathore zone.

Cisco checks up Bryant's $\frac{1}{4}$ cor
bet sec 21 and 22 - 135-28 and
finds it wrong -- set about 4.50 ft
to far West.

At this $\frac{1}{4}$ US molar call for
BP10S 22°W 375 ~~EX~~ LKS =

We find the tie standing green
and plainly marked.

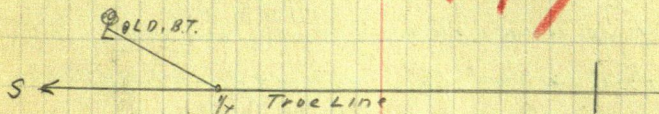
I first run in the tie line
North half a mile and from this
line line - With lantern on big
hub set for line $\frac{1}{4}$ the tie stands
perfect for course and distance

135-28
Lake Edward Twp 107

derived from the line line

I do not get the exact distance
as Bryant balled up the first
corner but it is about 2477.25 ft.

147



Begont takes his transit West to
hub 5400. East from which the
lines on 15 read 16-17-20-21-

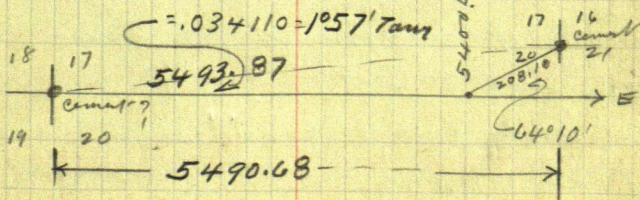
135.28 bears Left $64^{\circ}10'$ a dist of
208.10 feet

at 5400. E the center; E. 64° 10' N
208.10 ft

$$A + 5400 + 90.68 = 5490.68 \text{ E}$$

Cons. sets N. 187.30 - ft

Spring 64°/10'

$$\text{Sini } 90007 \times 208.1 = 187.30 \text{ N}$$
$$\text{corin } 43575 \times 208.1 = 90.68 \text{ E}$$
$$= .034110 = 1^{\circ}57'7''$$


John W. Currier

10571 Cor = 99942

108

135-28

July 27-1917 cts 40

Lake Edward Twp
Crawley Co

In P.M. Hunt and son with team
overset by King set 8x36"
round cement corner at following
points

1/4 bet 21 and 22.

1/4 bet 15 and 16

M.C. Bet 15 and 16 1/2 mile of Lake N^e

1/4 bet 15 and 22 - 135-28

147

Town board meets in evening
and pay off the crew

Done King's bill for Regent's board -

Curo's board and Mrs Curo's board
viz

Regent July 20-21-23-24-25-26-
and 27. \$ 9.35

Curo. July 20-21-23-24-26-27. \$ 9.

Mrs Curo July 20-21-26-27. \$ 4.85

Curo's bill against the town
amounts to ~~the~~ \$55.00 and I
have a bill for one day made out
for \$5. and another for \$50. I turn
over the \$5. bill to Done King for

July 27-1917

(47)

135-28

109

Mrs. Curo's board.

147

Bygmt's bill amounts to 7. days

@ 85. = \$35.00

our board is figured up to tomorrow morning-breakfast Saturday July 28-1917 so we stay over night with King

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C-15-16-21-22 P. 63-64-68-72-75-88-96-100-101-

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M.C. 15-16 P. 66-68-103-104-108-

14-15-22-23 P. 69, 70, 73-74-81-95-

M.C. 14-23. P. 70,

1/4 16-21-P. 71-72-76-89-91-99-106-

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Maps 76-82-87-89-90-101-104-105-107-

July 28-1917 Saturday

Lo Dove Kings about 8 am.

Mr and Mrs Curo and Baby Reed-
and Roy Bryant- and with Ford
drive to Hubert and get bank
checks for full amount Bryant's
check \$35⁰⁰ he signs and turns
over to me.

My Check \$50. (Tony Balke Treor)

Hone blow out- and drive to
Beauregard get dinner at
hotel .35⁰⁰ each + 15⁰⁰ for Reed &
pay \$1.20 for all

Get checks cashed at First
Nat'l full face

I give Roy \$25⁰⁰ and
\$5.10 Alma.

Alma and I go to Court House
and I call up

NJ. Nesheim Cham 44-29

and learn that the Town Board
of Maple Grove Twp T44 R29 are
now in session at Town hall
in sec at Mr Rodrick's place
Geo B. Cornish Clerk

(49)

147

111

we drive out there - meet the full
Board who thinks it best to come
back in about 3 weeks.

We drive back to Beaman. I buy
grip \$5. and we head it back
to Jenkins via Hubert ?!

Leave Roy at Jenkins and
go to the farm

Sunday

July 29-1917 all day on the farm
Roy Bryant at Jenkins

Crow Wing Co

Timothy Twp

July 30-1917 Monday

I begin work for Timothy Twp

Geo A. Hardy Chairman

John N. Huss Trustee

Ben Fordyce "

Chas Mitchell Clerk

T

Farm to Pine River where I meet
Geo Hardy and arrange to start survey

Telephone Roy Bryant at Jenkins to come
to Pine River on 4-o'clock PM train

Central says "15 cents" I give the drive and
five pennies to Frank Hill (15¢)

Alma I and baby at Cummets
"Travlers Hotel" for dinner 70¢ pd. I give
Alma \$2.50 which she hands over to Mrs.
Cummets says she owes it.

Meet PM train and take Bryant to
the Ben Fordyce farm on
where he stays overnight

Alma-Reed and I go to Geo
Hardy's farm
where we get supper and stay over
night John W Carr

July 31-1917 Tuesday

Timothy Trapp 138-28-29

Curo-Hardy-Huss- look @ $\frac{1}{4}$ cor bet

Secs 26 and 27. 138-28 where Mr

Houston shows "about" where the $\frac{1}{4}$ post
set and Mr Culp

shows me an old 12" J.P. tree well scribed
It has been broken off and carried
to a pile of brush but the stump still
stands a few rods south

This is not the tree called for in
the notes. M. S. notes call for

This is Chas Mitchell's mail
day and he wants to help on the survey
goes to town calls for my mail to see
if my field notes have come and comes
back to Geo Hardy's to say that
"Nothing come in the mail"

Hardy-Curo- & Huss walk to cor
of secs 22-23-26-27-138-28

Curo and Culp run up with compass
from $\frac{1}{4}$ bet 26 and 27. I have no field
notes but we find a tall stump
Jahmew Curo

Board Sheet July 1917

Aug 1917

30 31

1 2 3 4 5 6

Mrs Geo Hardy

John W Curo

Mrs Curo & baby Rud

00 DB
SL SO
00 DB
SL SL00 00 00 00 00 00
SL SL SL SL SL SL
DB DB DB DB DB DB
SL SL SL SL SL SL

Pd

John W Curo

Roy E Bryant

Geo Hardy

Chas Mitchell

00
00 SL
00 DB
SL SL
00
00 SL

Mrs Be Fordyce

00 00 00 00 00 00
00 00 00 00 00 00
00 00 00 00 00 00
00 00 00 00 00 00

Pd

(3)

Time Sheet Working for Timothy Trapp 138-28-28 Crow Wing Co. Minn

July 1917

Aug 1917

John W. Coro	30 31	1	2	3	4	5	6	7	
Auto	1/2 PM	1	1	1	1	1/2 AM	1	Pd	
Expense	8 230	0	0	0	0	0	2.50 PM	Pd	
Geo Hardy	0 1	1	1	1	1	1/2 AM	1/2 AM	1/2 day chg to aug 5th Pd	
Auto	0 2.50	1	1	1	1	0	0	Pd	
Chas Mitchell	0 3/4 PM	1	1	1	1	0	1/2 AM	1/2 day chg on auto 1/2 day 8/125 Pd	(4)
Auto	0 0	1	1	1	1	0	0	Pd	
Roy E. Bugant	1/2 PM	0	0	0	0	0	0		
Ben. Fridger	0 1	0	0	0	0	0	0	Pd	
John N. H. Voss	0 1	1	1	1	1	1/2 AM	1/2 AM	1/2 day chg on aug 5th Pd	
Lyman H. Hardy	0 0	0	0	0	1	1/2 PM	1/2 PM	Pd	
C. Botz	1/2 PM							Pd	
N. Botz	1/2 PM							Pd	

116 July 31-1917 Cont'd

138-28-29
Timothy Trwp

which is probably the NE B.T.

Mitchell takes his dinner at home and
comes back to Hardy's in his car

P.M.

Hardy and Hass in one car-

Mitchell and Curo in Mitchell's car
go 6 miles West to South Co of
Secs 35 and 36-138-29

We have no vs field notes but find
two New B.T.S. being big WP stamps
one SE and the other SW

From the NE Co part of fence
I chain North 33.00 feet keeping in
line with a fence running South
set Hrb 0.0.

From Hrb 0.0. I start a picket
line N. @ 4° U

Hass and Mitchell cut N. on
picket line

Curo and Hardy - Go in Hardy's car to
Ben Fordyce farm Have supper with Fordyce
and back to Pine River ^{from Hardy send out} and ^{bring Curo in for Fordyce}

Hardy stays in P.R. over night to
have copyed and to wait for Curo who
will go to Walker tonight for special
field notes. I meet Harvey

July 31-1917 could ⑥ 138-28-29

117

Grimmer who reports a bunch of "Jewett
plats" which have been lost in the mail
addressed to "John W Cuss Co Surveyor
Coss Co Walker Minn"

I did not receive the plats and will
try to get track of them to-morrow

Cuss gets a bed at Traveler hotel
and leaves a call for the night train
to Walker 1-30 am call Lodging 50¢
Paid to boy.

John W Cuss

Bryant Fordyce-

Begin @ wood cor set by me at cor to
recr 14-15-22-23-138-29 and run East
bet recr 14 and 23. along a graded road

Aug 1-1917, Wednesday

I take early morning train
to Walker with two skeleton keys
borrowed from Bernie Robideau
and one key from Crummetts boy night
clerk.

Sleep at home till 7-AM in Walker

I cannot find any trace of jewelry
plots reported lost by Gummer of
the Fifty-Cross Co. of St. Cloud

I try Griffiths Dray Office - also
Ed Wright's dray office - bath-
express office and the P.O.

Auditor Bacon tells me
Fifty-Cross Co. also claims the loss of
12, No 363 field books but I find
that Co. Sumner Greene received 6-
such books May
and 6 more a few days ago.

These books came evidently direct
from Kenuff Esser Co. of Chicago and
may have been sent by Louis F. Shaw &
Co. till which sent them as they
were ordered from bath.

All day at Walker Copying
field notes.

Aug 1-1917 continued

I find my house vacant as Geo
Dilworth and family left Saturday
night for Mpls without notice

Harold went with them according
to a letter from Harold which Gladys
has just got. Harold's address is
Gen Del Mpls.

Gladys just begun work at Crows
Telephone office

Dinner with Glad at Scribner

- I give Glad \$1.

Stop at my house - Green lets me take
field book N^e which has Frank
F. Donner notes of his survey in

138-26-29 - Timothy Trapp

R.R. fare P River To Walker

.62^x

Hotel Exp at Walker 3 meals @ 35^c

1.05

Telephone to Hill for 1 hour

25^c

no charge for lodging as I
sleep at home.

Bryant brings in his survey outfit and
takes morning train to Jenkins.

Hass and Mitchell cuts line N bet

35x36-138-29

138-28-29

Timothy Turp
crossing Cr. Min.

Aug 2-1917

Thursday. Curo. at Walker to Pine

River on 2-am train Bed at Crummetts
 50° Breakfast 35° RR fare to P.K. 62°
 = Pd Mrs Crummett 85°.

Total Pd out 1.47

Geo Hardy meets me in his car and
 when we start for home the car bucks
 and we take it back to Pine River
 and leave it for Vern to fix.

Mitchell and his car takes Curo
 and Hardy to Pine bet 35 and 36-138-29
 where we find Hoss cutting brush.

All four look for the car to see
25-26-35-36-138-29 where US notes
 call for post and

WP 20 S 44° W 118 LKS -

Tam 75 74° E 22 " =

" 9 N 5° E 45 " =

We do not find them and as we
 only have a 100 ft chain decide to
 get the 300 ft chain and chain up
 before looking for BTS.

We walk back south but do
 not look for BTS @ 1/4 bet
 Secs 35 and 36-138-29 where

Aug 2-1917 Could
US nolis call for:

(10) 13828-29

121

① to F at 1. 13829 = 1/4 bet 35 x 36

Ash TS 42 E 20 LKS =

Maple 12 N 42 W 7 " =

Walk South the mile and look for con
on town line being con to

35-36-1 and 2 bet T137-138-29
where US nolis call for (O-138-29)

Sugar 7 N 32 E 47 LKS = 31.02 FT

Oak 6 N 15 W 33 " = 21.78 "

Bk Oak 16 S 51 W 32 " = 21.12 "

" " 14 S 22 E 13 " = 8.58 "

All appear to be gone except the root
of the N.E. tree - not marked and it
stands a few feet too far west to match
up with that o.o. 33 ft N of fence con

We pass this up eat our lunch
out and with Mitchell's con drive
East 6 miles to the con of sec

22-23-26-27-138-28

where US nolis call for front and

YP10 N 65 E 280 LKS = 184.80 FT

" 9 S 35 E 313 " = 206.58 " OK

" 7 S 44 W 346 " = 228.36 "

We find the stump of all three trees
John Nemo

122 Aug 2-1917 ended ⑩ 138-28

not marked from which I set the
Cor by flat chain from face of stumps
after which stumps stand as follows:-

N 62°30' E 184.80 - .74 = 184.06

S 31° E E 206.58

S 45°15' W 228.36 - .91 = 227.45

Dist bet NE & SW stumps is 165 short

$$\begin{array}{r} 184.80 \\ 228.36 \\ \hline 413.16 \end{array} \text{ into } 165 = .00399 (4)$$

We set a hub and lock for the line
Cor and run South bet Secs

26 and 27-138-28 and set picked
line for Huss and Hardy to cut by.

Cut 400 ft South then Hardy and
Mitchell go to Pine River in Mitchell's
Cor. Hardy to bring his car home
and Mitchell to get a load of grain
passengers for Houston and the mail

Huss and Cuss go to Cor of
secs 26-27-34-35-138-28

find one old SWBT and quit for
night

Still staying with Hardy. Alma baby & J.
Bryant at Jenkins

J. H. Carr

(12) 138-28-29
Timothy Twp
Crawling Co Mine

123

Aug 3-1917

Friday.

Hardy and Harr Cut line & bet sec
26 and 27-138-28 Cut as far as
Hastor then walk North and cut
on same course with picked line bet
sec 22 and 23-138-28

Chas Mitchel and his car takes Curo
to Pine River to look up evidence as to
the lost cor to sec 35-36-1 and 2
bet T137-138-R 28 (R29?)

We find Mr John H Ackerman who is
working on the Catholic Church and
who says he helped Co Surveyor Lewis
Garrison set this corner 11-years
ago and at that time or later set a blue
rock not marked - half as big as a post
the rock may be graded out now

Ackerman says the line bet sec
2 and 35-137-138-29 is 322 rods long
and each half is 161 rods long

Frank White and Rufe Heath helped
set this cor 11-years ago? Heath is
now dead.

He says his fence is 33 ft N of the cor
John wears

124 Aug 3-1917 cont'd (13) 138-28-29

but does not seem to give satisfactory explanation of how he knows or therefore was only built 3 or 4 years ago and he has not sown the rock for a long time and not when he built the fence

He says chain "161 rods E of my well"

I press him up get a letter from Roy Bryant who wants \$3. I call him up and mail him P.O. order for \$5. to Jenkins and he promises to be at Ben Fordyce's farm tonight on 4 PM train

Mitchel and I drive to Ben Fordyce's farm get dinner and tell Ben that Roy will be out

I get 300 ft Chain from line cut and flag pole - Transit and tripod and drive to cor of 35-36 on So town line where we dig for Ackermans "blue rock" find one on top of the bank thrown out by road builder then chain 33 ft N of fence cor set back about 0.01

put the transit and outfit under the little bridge with a note to Bryant then drive South East to see Mr. Freeman the
John W. Carr

Aug 3-1917 cont'd (14)

138-28-29

125

Town Clerk of

Twp who is not home

then see Ned Bowman who knows nothing
then go to the Co to see 31-32-5 and 6

bet T137-138 R 28 where US notes call for

I find the NE and SE old pine stumps
plainly marked but do not set the post

Drive still East to Huston place
near Ty Co bet (26) and (27)-138-28 and
quit for night. Mitchell goes home in his
Car. I stop at the creek till Lee Hardy
comes from his work and walk home with
Hardy.

At supper time. Chas. Andrews & son
Wallace Ritchie and young Wernman
comes from Medicine and I take them
to Jenkins in my Ford.

Pay Wiley \$5.00 bal in full for
gas - oil and tires - give Harold 25.00

Must Roy Bryant also says he is not
going back till Monday. Reed & I pick up
Alma & Mrs Hardy at Ramsey Schultze
on our way home
John & Cars

Aug 4-1917.

Saturday.

John W. Caro H & B limit 300 ft ch
PB & double can hubs Geo A Hardy
chiefly - John N. Hazz and Lyman H.
Hardy (Geo's son) & men.

Back-sight on Cnli 22-23-26-27
138-28 and run S. bet 26 and 27 $\angle 80^\circ$

Ht 300. 600-900. & 1200 ft S.
set Hub & lock 1500 slake
1504.90 Hub 1740 dry creek
bed NE and SW 1800 slake
2100 slake in low spot 2400 slake
2640 two nails (conlogatha) in
N. wheel track of E & W road near
E. of where road turns South
2700 Hub in Houslow's field
3000 slake - L. field
3131.00 Hub 121.00 ft E of Cen of
graded N & S road
at 3142.50 South th
NE cn of Houslow's house sets
West 15.00 feet (paced)
Ht 3182.80 S the SE cn of addition
sets West 25.01 ft (paced)
3183.90 Hub.

Aug 4-1917 cont

(16)

138-28

127

at 3290.8 private road runs East to
Huskins Mill

3300 slabs 1 ft So of pig yard
fence and 5 ft West of pig pen (near sheep)

3383.70 S. side of pig yard fence

3454.40 Hub 3600 - 3900 slabs

4017.00 Hub 4200 slabs

4315.30 Hub 4500 "

4693.90 Hub 4800 "

on road 9:35

5100.00 Hub

We try to set the car to see
26-27-34-35-138-28 but it is
too late

Alma Baby and I still staying
with Geo Hardy.

Bryant of Jenkins

John W. Cress

Aug 5-1917

Sunday. 17 M.

Curt & Hus - Hardy & Lyman Hardy
work in A.M.

We go to the cn to recr.

26-27-34-35-138-28

where OS notes call for.

JP 5 N 5° E 80 LKS = 52.80 Feet

" 5 N 45° W 45 " = 29.70 "

" 6 S 55° E 22 " = 14.52 "

JP 10 S 50° W 130 " = 85.80 "

We find all three NE, SE and SW
stumps but the NW stump appears to
be gone.

From the 3 stumps found I set
the corner by flat proportional measure-
ment from the face of the figures

after which the stumps stand or fall as:

Old JP stump 5 N 3° 20' W 52.80 - .46 = 52.34

" " " 6 S 45° 30' E 14.52

JP " 10 S 54° 12' W 85.80 - .75 = 85.05

Note the distance bet the NE and

SW stumps is 1.20 ft short via corner

$52.80 \text{ ft} + 85.80 \text{ ft} = 138.60 \text{ ft}$ vs

chain and is 1.20 short and = 137.40

feet my chain. (off .00869)

Aug 5-1917 Cont'd

At cor to Sec 26-27-34-35

138-30²⁸ From Hub 5100.00 S.

I run S $53^{\circ}21'W$ 222.00 Feet to
line sec cor then back right N $53^{\circ}21'E$
on hub ~~58~~ 5100. then turn telescope
back to 0.0. Then $1^{\circ}57' R$ and
set a picket North on line line

Transit telescope and set a picket
South from which Horely and Huss
can cut a random line South or
there is a petition in for this
road beg @ 1/4 cor bet 26 and 27

138-28 thence South

Road From the line line North
where var reads about ~~8°~~ $7^{\circ}50'E$

I set new B.T.S. up

JP 9" N $51^{\circ}35'E$ 82.20 Ft

" 8" N $31^{\circ}34'W$ 65.80 "

" 8" S $35^{\circ}22'E$ 76.75 "

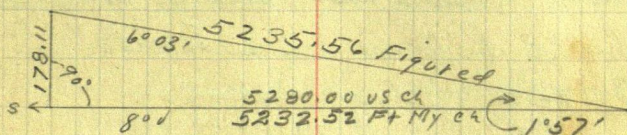
" 9" S $53^{\circ}06'W$ 98.55 "

to back in flat spot at base of hill
turned from the line line North
where Variator reads about $7^{\circ}50'$
the course to the old B.T.S. or
given on page 128 is turned from the

Aug 5 1917 Contd (20) 13828

131.

line line also, for the line Cor 15
 sec 26-27-34-35-138-28



1°57'

Tang .03405
 Cotang 29.3711

29.3711	
17811	
293711	9
293711	
2349688	1
2055977	
293711	
5231286621	

132

(21)

138-28

Aug 5-1917 Contd Curo-Hordy
+ Sm and Hull all H.M. setting
the Cr to Rees 26-27-34-35
138-28

At Hat 3131.00 so near
Hurlins house the main graded
wagon road lies 121.00 ft West
to cen of road, being about 14.40 ft
long for West

August 6-1917

Monday.

Curo- Geo Hardy - Chas Mitchell
J. H. Huss

Correct line bet secs 26-
and 27-138-28

At $\frac{1}{4}$ Cor US notes call for

All are gone and we correct
the line straight for the mile

At 5232.52 S - On to 26-27-34-35-
138-28 sets West 178.11 ft on
S $53^{\circ}21'W$ 222.00 feet

Correction = .03404 of a foot W.
for each foot South

5232.52 S	goes W	178.11	FT
Hub 5100. S	" W	173.60	"
" 4693.90 S	" W	159.78	"
" 4315.30 S	" W	146.89	"
" 4017.00 S	" W	136.74	"
" 3454.40 S	" W	117.59	"
" 3183.90 S	" W	108.38	"

134

 23 138-28
 Timothy Twp
 Crow Wing Co Minn

Aug 6-1917 Could

 Hat 3131.00 S goes W 106.58
 " 2700. " " 91.91 FT

 to line see line for S half mile
 bet 26-27.

 Hat 2640. S Chain North
 90 feet to 2550.00 S where S
 set transit on road then from
 random N+S. line S $53^{\circ} 21' W$
 111.00 where we drive a small wood
 hut for the line $\frac{1}{4}$ cor bet sec.
26 and 27-138-28

P.M.

 Town board meets at the house
 of J. H. Hass.

 Ben Fordyce come over and
 takes dinner with Geo Hardy

 I figure correction for the
 North half mile bet sec 26-27
 138-28 and in P.M. Lyman H
 Hardy is to help me set the
 road center hut

Aug 6-1917 Contd

Bills as follows

John W Curo Engr work in survey
of Twp roads in T138-28-29

136 .03404

Aug 6-1917

Had 1504.90 gas West 51.23

" 1200

" 40.85

1273

" S 53° 21' W

55.50

" 900

" "

30.64

" 600

" "

20.42

" 300

" "

10.21

.03404 W

(25)

138-28-29
Timothy Twp.
Crow Wing Co Minn.

Aug 7-1917 Tuesday

Geo Hardy's place to Pine River
Get Front Tire

at Jansson's Garage To be paid to Wednes.
also buy new red inner tube for which I
pay Jansson \$3.40

I give Geo Hardy \$5 in full for the
board of my wife and baby

Jansson cashes my Town check
\$43?

We - Alma baby and I beat it
to Park Rapids without stopping at the
farm or I am anxious to meet the Hubbard
& Co Commissioners who may meet today

Rainy and wet roads heavy
make the run in just 2 Hours & 30 minutes
PR to PR. Arrive about 11-30

Dinner and over night with Fannie and
Tom

Commissioners do not meet today
and will not meet till Sept 4th 1917

I like the Ford to Wilson's
Garage and they work on Carbon cleaning
and "grind it down"

Engine is knocking but Wilson
says it is a "Spark knock"

John W. Evans

Buy Todd services from St Cloud
and stop our night

Aug 8-1917 Wednesday

All day in Park Rapids. Alma I and baby Reed. Stay with Fannie & Tom. I pay Fred Rina \$6 x \$6 being \$12⁰⁰ rent in full for July and Aug 1917 for the rooms over his Ice Cream parlors.

Mrs. Shearer tells us they have rented the "Brown" house which we are paying rent on, to another party who will move in right away not knowing I have paid the rent - She will tell them not to move in now or I still want it.

I pay Wilsons Ledge about \$75⁰⁰ for repairs and a few dollars more for oil &c and pull out about 5-30 PM.

Stop at Clarence Eskla Brooks place also at Hubbard also at Luntins and get to the farm at Pine River in 2 hrs 25 minutes.

Over night in the farm

Aug 9- 10- 11- ^{Sun} 12- 13- Take truck for Pine River Twp. See Book

John W. Curo

① Timothy Twp
138-29

139

Aug 21st 1917 Tuesday

Again working on Ben Fordyce
Road 4-miles long Beg @ NW Cor 23
thence 1. mile E and 3. miles South

Lv the Farm 2 1/2 miles N of Pine River
and go in Ford via Pine River to Ben
Fordyce farm

Lv home @ 6:30 On Fordyce 7:30 As it is
very foggy - brush wet and almost raining
Fordyce says he will not budge till it dries off

Get dinner early with Fordyce and

@ 11-55 AM Lv with Ford ^{on} and Ben and ran to a point
just East of 1/4 between 14 and 23-138-29

Pick up line run by Roy Bryant and Beg @
Hub 3600 E Continue E.

@ 3600 Hub 3900 stake: 4023.30 old stake at
Lost Spring by Jim Ingram for the E 1/4 bet
14-23 sets South about 6 inches

@ 4200. stake @ 4306.50 Hub 4500 stake

4645.90 Tack in 3" Pop stump: 4800-5100 stake
5228. Hub. At 5364.80 an old post set
by County Surveyor Ingram for the line on
to sec 13-14-23-24-138-29 sets S. 1.60 ft

At this point MS notes call for post and

15 14
22 23
138-29

5364.80 M, Ch

John W. Curo

old stake set by
Ingram
160

140 Aug 21-1917 Cont'd ② 138-29
 Timothy Trip
 WP 15 N 73° E 212 Lks = 139.92 Feet
 " " N 70 W 100 " = 66.00 "
 Aspen 14 S 89° E 230 " = 151.80 "

We don't stop to find these trees
 as they appear to be gone but I am
 confident I could find the old stumps
 and that the old state still exists
 and sets in the water and mud South
 of where Ingram set his state

I can't see why in hell Ingram
 set this state here -- He set it Fordyce
says by using Donner's old E & W
line -- but on Donner's cor a mile E, sets

S of this random why didn't Ingram
 show this cor to too It is about
 25 ft N of Donner's random

Ingram's old state which I
 take as o.o. sets in a meadow 40 FT E of
 solid ground 60 FT W of solid ground
 250 ft N and 150 S of solid ground

Reg @ o.o. we run S on 800' or
 in bog. @ 50 ft too soft to cut grass
 so we leave a strip about 50 ft long
 @ 250 L.V. much very soft in cor
 300 & 600 & 750 & 900 set hubs

at 1160 enter narrow long meadow
 John W. Curr

Aug 21-1917

Cloud

③

138-29

141

Timothy Trapp

Crow Wing Co Minn

beaver E & W. 1200 Hab in meadow 1260 L

1500 Hab 1691 lock in WP log and quit for night. walk to car and drive $3\frac{1}{2}$ miles to Ben Fordyce where we arrive @ 6-20

P.M. get supper then go home to the farm via Pin. River Fordyce Boys come for a P.R. then walk back home.

Cues run H & B transit double can hats and 300 Chi Steel laps close chain. Plumb-bob not necessary

Ben Fordyce flag and chain
Conrad Botz (Boats) and his son
Nick H Botz a man Botz & son
want full day as they waited all
A.M. on line for Sand Fordyce

Work in field 6 Hours & 25 minutes

Jahm H Cues

Timothy Twp Roads
Crow Wing Co. Minn.

Aug 22-1917 Wed

Lv home in Ford car 6:30 AM.

at P.R. get 5 gals gas - 1 gal oil \$1.50

At Fordyce 7-30. Lv 8:10 because we wait
for lunch to be put up. Same crew

I drive in car to Botz pick them up
and drive to home of H.O. Runberg on
SE 1/4 of SE 1/4 Sec 23-138-29. He also owns
NW 1/4 of SW 1/4 sec 24 Total 80 acres

Lv car and walk N.W. to line

Begin @ 1691 Continue S. on random bet
23 & 24-138-29 4th reads 8°10' still

1800 stake 2150 Hub 2400 stake

2700 S set hub and look for 1/4 cor bet

Secs 23 & 24 - 138-29 where US notes say
Stake and O to F @ 3.

Maple 4" N 66° E 80 LKS =

Oak 6" S 76° W 2 " =

All big WP stumps here - very thick and
as the country is so badly burned there
is absolutely no use - I know!

At 2908 Hub 3000 stake 3128 wire
fence E & W 3300 stake; 3361 Touch
in WP log 12" ; 3600 stake; 3687-50

Wire fence E & W: 3900 Hub; 3975 enter
meadow where they are cutting hay
John H. Ellis

Aug 22-1917

(5)

138-29

Timothy Twp

143

around edges but too soft in center

3981. wagon track E & W in meadow: 4050 cut

wet - cat tails too deep to cross - plumb

chain over cat tails - Wet part 60 ft wide

in big open meadow longest E & W

4200 stake in marsh - 4500 stake in marsh

cut to about 4800 where line leaves

marsh and as it is thundering heavy

Quiet for night and go home via auto

As Ben Fordyce 3-20 P.M.

All get in full day I stay till 4-30

and write notes then pull out for home

via Pine River. Rains like hell in Pine

River as home in the farm about 5.20

and write notes. It is 6-8 P.M. now

as I write this line.

I got dinner with Fordyce today being

lunch out also 4 gals of milk which I

drink on line all alone.

Aug 23-1917. Thursday

Heavy thunder & rain No work

Querson & I haul in my broken Ford

and I stay all day in Pine River

Repairs \$6.¹⁴

John H. Curo

144 incrow Winy Co ⑥ 138-29
Timothy Turp

Aug 24th 1917 Friday

Get \$1.⁰⁰ from Mrs Gilbert and pay it
back to her for 4 gals of gas @ 27.⁹

Go to work in Ford and at Ben Fordys
@ 8:20 am wait 10 minutes for
lunch put up and go in car to Rumsberg
farm. Find Bob & son already on the
job and we continue random S. bet
Secs 23 & 24-138-29 on still 8°10'

At 4675 L^o mark: 4700 slake in edge
of small dead pop trees - still in mark - W
4789.40 Hab in low land - solid - in green
pop. 4800 slake. 5100 slake
5348.80 S. Hab 5400 slake

near cor to Secs 23-24-25-26-138-29
MS notes WP 36" N 34° E 4 LHS = 2.64 FT
" 36 N 42° W 84" = 55.44 "
" 30 S 67° E 18" = 11.88 "
" 30 S 42° W 89" = 58.74 "

All around us N-S-E-W for 300 feet -
-and more - are big badly burned White
Pine stumps but I can find none of
them marked - being badly burned

The map shows this cor. away North
and on the South edge of the mark
we have just left but we will find it

In Crew King Co Minn

Aug 1917

Time Sheet Working for Timothy Trip 138-29

Sept-1917

	20	21	22	23	24	25	SUN 26	27	28	29	30	31	SUN 1	2	3	4	
John W Curo	1	1	0	1	1	1	1	0	1	1	1	1	1	0	0		
Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Halo	2.00	1.25	0	0	1.25	1.25	2.50	0	0	0	0	0	0	0	0		18.75
Ben Fordyce ch	1	1	0	1	1	1	0	1/2	1	1	1	1	1	0			
Conrad Botz ch	1	1	0	1	1	0	0	1/2	1	1	1	1	1	0			
Nick H Botz a	1	1	0	1	1	0	0	1/2	1	1	1	1	1	0			
Geo Hardy							1										
Oscar Peterson							1										
John W Curo																	
Alma Gerald-Ried																	
John W Curo	D	D	D	D	D	D	0	0	D	D	D	D	D	D	D		
Alma Gerald-Ried	S	S	S	S	S	S	0	0	S	S	S	S	S	S	S		

Sept 3-1917
Hx Paid

Pl in Tol
amount
pl in my
acct 6.00
Ex 70.00
Hardy.

Aug 24-1917 Cont'd

later, and decide to go a mile West
and bring up the line to give us a better
idea of where to hunt

Eat lunch here and in P.M.

Walk a mile West to En

22-23-26-27-138-29

US sales call for Post and

Oak 12" N31° E 14 LKS = 9.24 Feet

" 12" N59° W 15 " = 9.90 "

" 15" S 43° W 35 " = 23.10 "

Spurce 18" S 33° E 25 " = 16.50 "

We find a 2X2X24" stake - set 8 years
ago by myself and check up and found
correct by F.A. Donner years ago.

and we also find the short very low stumps
of all these oak bearing trees which
check out fine (Paced) with the stake

@ 6:10 A.M. Do not take time to dig up
the roots of the Spurce - which is most
likely there.

New BTS Upr 8° 0' on
Shall of 40" WP slab N 43° 35' W 55.10^{FT} To Nail head
Pup 6 N 29° 33' E 131.85 FT. To cen of long blaze

Dead pup 5" S 51° 45' W 44.53 FT = Tall stump.

Pup 7 S 79° 25' E 73.65 FT to cen long blaze

Run East on 8° 15' 0" on Random

(9)

138-29

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Aug 24-1917 Cont'd

Aug 25-1917 Saturday

bet 23 & 26-138-29

@ 300 E stake: 475.70 Hub

600 stake: 900 Hub enters low stony land:

1200 stake in low land 1500 stake: ent small

mark NTS: 1600 Ls same: 1641.00 E. Hub

1800 stake at E. edge of green W.P. stump Line

→ Aug 25-1917

cat N. edge 2" in - about: 1960 crown old

Daugherty road NTS: 2100 Hub on hi land

2400-2700-stake Look for 1/4 bet Secs23 and 26-138-29 where US males call fr

L to V @ 2.

Chomwood 7' N 26° W 18 LKS = } gone

Spruce 18" 3° W 29 LKS = }

Ht 2895.60 Hub in low land: 3000 stake

South end of round cat tail swamp

full of water and contains about 8 acres
half water

Note: My Jewett Plot shows this line running

E & W across this marsh - but the trip

was poorly surveyed originally

Ht 3600 stake in low land

Eat lunch here P.M. continue East

@ 3275 L. low alder land (Big Alders 4")

3300 stake: 3588.20 E Hub on slight slope

3600, stake: 3900 stake: 4084.30 Hub

4200 " @ 4500 E Hub 4800. Hub Quit at 5.30 PM

Aug 26-1917 Run Level, See Book N^o

John H. Curo

Aug 27-1917 Monday

I stay home all day. stay in Pine River trying to get land deal closed up with J.P. Brewer

According to Saturday night's instructions Fordyce-Balz & son go out on line and work in forenoon cut line East bet Sec 23 and 26 138-29 and continue about 700 feet East of 1 ft for Cor. 15-23-24-25-26 and get in 1/2 day each

Aug 28-1917 Tues

I go in Ford J. Ben Fordyce's farm where I find the crew ready with their lunch, tools & loads and we drive

to SW Cor Sec 36-138-29 and chain North a mile on the line cut out a month ago by Huss & Mitchell being a picket line so straight that the transit line fits it

The Cor of 35-36-182 Bet 137-138-1829 has been established years ago by the Crow Wing John W. Curio

Aug 28-1917 cont'd
Co Surmeon who has established two
new B.T.S. being a big WP Swamp
NW and one SE but as I have not
got his field notes

See pages 116. & 119 & 121 & 123 & 124
This Book:

Reg @ O.O. Page 116 says I started
this line N. bet 35 & 36 @ 4° or but
I set the transit nearly half a mile
N. & back right south on O.O.

Var reads $5^{\circ} 10'$

O.O. is a peg in road from which
WP Swamp 36 bears S

" " " " " N

Cor of bridge is East

Fence on South 32.00

Chain N bet 35-36 @ $5^{\circ} 10' E$

@ 285 N a 2 foot dry creek bed
NW & SE Culvert sits at SE cor
of 2 acre meadow

300-600-Hub @ 750 ent SW

tail of 5 acre meadow lying NE.
-Stony-

@ 800 cor 2' dry creek bed NE

& SW: 900 Hub West edge of dry
John W. Curot

Aug 28-1917 cont'd

meadow @ 1200 Hat -ent meadow.
 narrow solid grass land-stony
 bears North and a little East
 1500 Hat in meadow

1800 " " "

1825 Lv meadow which is a
 narrow strip of stony grass land
 150 feet wide bearing NE mostly North
 @ 2070.20 Hat in poplar trees
 6. feet South of Beaver Dam and
 30. ft W. of meadow Dam runs South
 of East.

2100-2400 Hat 2700-3000 Hats
 from which the narrow meadow
 appears to be about 300 ft East.
 Var reads $5^{\circ}10'$

3300-3600-3900-4200-4500-

4800-5100 N. set Hats

Ht 5280 N set hat for limp
 cor to sea 25-26-35-36

138-29

where US notes call for Port &
 Whili Pin 20'S 44° W. 118 Lks - 77.88 Ft
 Tam 7S 74° E 22 Lks - 14.52 Ft
 " 9N 5° E 45 " - 29.70

We find all these B.T. slumps
 John W. Ellis

Aug 28-1917 Cont'd

none of them marked but check perfect
for measure. Set on by flat chain
from face of line and drive hub for line
on after which old B.T.S. viz

Old Head up line down S W 77.88

Old Tim shell of stump S E 14.52

Old Tim down up road N. E 29.70

I do not take the course but know
they are almost perfect

Make new B.T.S. viz 6:30' 0

Pop 7 N 21°30' W 36.70

" 6 N 54°20' E 56.10

" 5 S 24°40' E 10.78

" 5 S 23°00' W 4.50

At 5280 Hat N. line 90° and cut
line East about 125 feet to meadow

At 5280 N the line on just
set bear N 78°55' E 125.10 Feet

Being 24.05 Ft N. and 123.77 Ft East

start picket line North @ 6:10' 0

and quit for night Balz & Son

walk home thro the woods. Fordyce

& Curs carry transit a mile South

and go home in Ford. J. L. Fordyce on

West edge of marsh near his house then

drive home in dark.

John W Curs

Aug 29-1917 Wed

Batz & Son cut picket line N.
bet sec 25-26-138-29 and walk
thro the wood to their work

Curo goes in car to Fordyce farm
picks up Fordyce - tools & lunch
pails and drives to South cor of
35-36-138-29 and attempt to check
over line but find I have left my
coat at Fordyce farm and my notes
are in the pocket.

Use new paper to figure on -
Fordyce makes hubs and stakes while
I pack transit a mile North and
get the angle to the sec on then
a mile back South and I figure
the correction

$$[5280.0 \div \sin 125.1 = .023674]$$

We set good hubs and tall stakes marked
True Sec Line - Road Cen every 300 feet
and from each hub run N

N 78° 55' E

Hub	300	gals	7.10
"	600	"	14.20
"	900	"	21.30
"	1200	"	28.40

John McCuro

(15)

13829

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Aug 29-1917 contd

Crow Wing Co
Timothy Turk

Hub 1320 goes $N 78^{\circ} 55' E$ 31.27 Feet
where I set a hut and tall stake mhd
"True $S \frac{1}{16}$ bet 35 & 36-138-29 set by Curo"

Hub 1500 goes 35.50 Feet

" 1800 " 42.60 "

" 2100 " 49.70 "

" 2400 " 56.80 "

" 2640 " $N 78^{\circ} 55' E$ 62.55 Ft where
I set Hub and tall stake mhd "True $\frac{1}{16}$
bet 35 & 36-138-29 set by Curo"

Hub 2700 goes 63.90 Ft

3000 " 71.01 "

3300 " 78.11

3600 " 85.21

3900 " 92.31

3960 " $N 78^{\circ} 55' E$ 93.81 Feet where we
a hut and tall stake mhd " $N \frac{1}{16}$ Cor bet 35-36
138-29 set by Curo"

Quiet for night - We have not sown
Beets & On all day as they have been
cutting in North bet 25-26

Take Fordyce home in cor eat supper at Fordyce
then home to farm $2 \frac{1}{2}$ miles N of Pine River
Prohibit an eye for Timothy Turk. Today
John W Curo

Aug 30-1917 Thurs

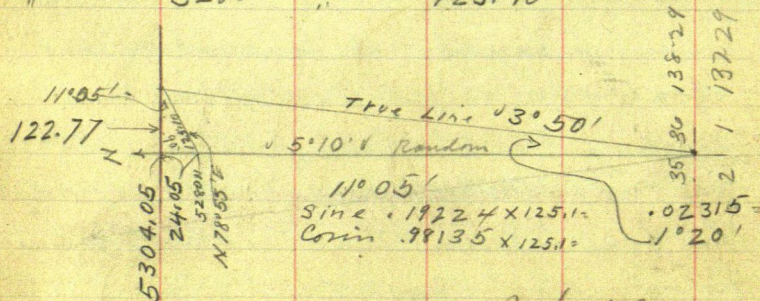
I take Alma - Gerald & Reed
to Fordyce where we will all board
till Sunday.

Then Fordyce & I go in Ford to Reinsberg
farm where we leave the car and walk
S.E. to Cr of 23-24-25-26-138-29 where
I lose Fordyce in the brush and have
to find my own way a mile South.

Turn hour hand of my watch on the
Sun and hit the line near the cor
of 25-26-35-36-138-29

Fordyce picks up Baty & son
and we finish connecting the line bet
35-36-138-29

Hub		gaer		Feet
"	4200	"	99.41	"
"	4500	"	106.51	"
"	4800	"	113.61	"
"	5100	"	120.72	"
"	5280	"	125.10	"



John W. Carr

Aug 30 1917 cont'd

(17)

138-29
Timothy twp

155

Begin @ cr to secr 25-26-35-36-138-29

run N 6°10'00" on picket line bet secr
25 and 26. cut by Botz & Son (Boats)
at 300-600-900-1200-1500-1800-

2100-2400 set Hubs

@ 2640 N near 1/4 bet secr 25 and 26

138-29 US nalis call for Port and
Q. to F. @ 2'

Ask 12°S 29 1/4°W 68 LKS =

only one B.T. and it is gone

At 2650 enter hay meadow NE & SW
50 acre meadow lies West it has a
SW arm and a NW arm. the NW arm
is longest and stretches almost half
a mile to point near the old Kim
Daugherty house

Continue N in East end of meadow
50 to 60 ft from shore where Hars
and Vault are camped cutting the
big meadow just mentioned

@ 2700 N. Hub in meadow @ 3000 hub
in meadow 20 feet West of a point of
solid land coming from the East

@ 3100 N. a sharp point of solid land
coming from the NW lies West 10 feet
point bears about S10°E At 3200 N

John W. Cress

156

Aug 30-1917

16

138-29

Timothy Tarp

a good meadow stretches East about
1000 feet @ 3300 ft Hub - low meadow
E & W @ 3600 Hub @ 3749 Hub on
raise 3900 Hub Quit for night
Walk north to car and all go
home Bratzson with us

Have to run on "Low" all the
way bet Bob's House and Rensberg's
house

Alma - Gerald - Reed & I all stay
with Fordyce. Heavy thunder & lightning
and storm in the night Alma - Gerald
& Reed sleep in hog mow with Mrs
Fordyce and her two girls I sleep
in out cabin with Ben

Board
Sheet
Fordyce

21	22	23	24	25	26	27	28	29	30	31	1
70	70	70	70	70			35	70	1,05	1,40	8,05
											Total \$8.05

70	70	70	70	70	70	70	70	70	70	70	70
											Total \$6.65

70	70	70	70	70	70	70	70	70	70	70	70
											Total \$0.70

John W. Curo

(17)

138-29.
Crow Wing Co.
Timothy twp

157

Aug 31-1917 Friday

Cloudy and rain all PM. Botz & son
stay in. Fordyce and Curo start out with
Auto get part way to Botz and turn back
on account of rain. I figure corrections
and get my notes partly written up in AM
P.M.

Fordyce & I go in car @ 1 P.M. meet
Botz & son going to Pine River they turn
back and go with us in car to Rumburg
where we go to Ford and walk thru wet
brush to our line and "

Continue North Bet 25-26-138-29
46°10' still @ 4100 enter small
hay meadow ETW @ 4200 hut in marsh
@ 4250 to marsh ETW

4500 Hut 4800 Hut @ 4962.40 Hut
one slip South of big tall WP stump

@ 4967. feet in top of big stump

5100 Hut. 5195.70 Hut 3 slips
So of big W.P. stub which we have to
notch in West side in order to get
by. @ 5280 N set hut for line

Cor to run 23-24-25-26-138-29

At 5364.80V intersect our line from the
West at 5276.30 feet E. and 183.50 feet
John W Curo

158

Aug 31-1917 Could

(18)

138-29

Timothy Turk

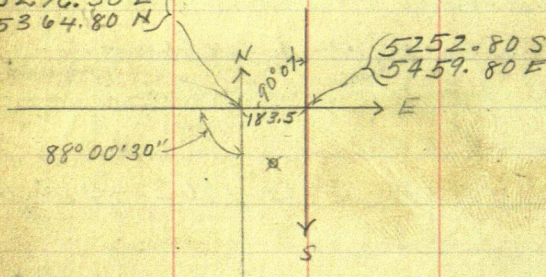
West of our line coming from the
North at 5252.80 feet South

We work late at night to make
up for time lost in AM and will get in
over time tomorrow so as to make our
work all "full days"

Send Batz & Son home 30 minutes
ahead of Fordyce and I - then go home
in car

Alma - Gerald - Reed & I still
staying with Fordyce - Alma & Kids
sleep in the barn

5276.30 E
5364.80 N



At 5276.30 E On 23-24-25-26-138-29

sets R. 57° 58' On S 32° 02' E 93.75 Feet
turned from random coming from the West

At 5280. N On sets N 82° 22' E
52.80 Feet turned from random from South

At 5384.80 S on sets N 68° 57' W 142.20
turned from random from the West

John W. Curran

Sept 1-1917 Sat

Full crew goes early and cut brush clear half
an acre + burn brush @ cor to sec 23-24-25-
20-138-29 US nalis call for

WP36°N34°E 4 Links = 2.64 Feet

" 36°N42°W 84 " = 55.44 "

" 30 S 67°E 18 " = 11.88 "

" 30 S 42°W 89 " = 58.74 "

We find the kill slab of NW - short slab of SE
shell of root can be moved out of NE and the
dead uprooted tree of SW. All check
to a puzzle for measure SW line dimly marked
at their badly burned.

Set hub and tack for line cor after which

Old BT Slab N42°W

" " " S60°E @ 8° on E

" " remains N75°E ?

" uproot point S42°W

We mark New B.T.S @ 8°

Pop 6 S 43°55' W 93.35 FT

Pop 6 S 16°53' E 91.00 "

Pop 10 N 30°46' E 67.10 "

Pop 6 N 66°14' W 110.60 "

To tack head
at base of
upst.
@ 8°

From line cor start line E @ 11° for Botz
Pa of line line running N. reads 6°40'

John W. Curo

Sept 1-1917 contd

Cut line N $\frac{1}{4}$ mile on line line bet 23-24- ¹³⁸₂₉
Correction at angle of $68^{\circ}57'W = [.026408]$
Ht 4789.40 S run $N68^{\circ}57'W$ 126.48 set hub on
line line Ht 3900 so chain S 138.60 Ft to
4038.60 S. then $N68^{\circ}57'W$ 106.65 set Hub
for S $\frac{1}{16}$ Bet 23-24. Start picket line E @ $9^{\circ}20'$
and West @ 7° We get Supper with Fordyce
and all go home in car
Over night on farm

Sunday Sept 2-1917 On farm all day.
Wesley - Lewright and both families
come up and eat their big lunch for
dinner

Sept 3rd 1917 ^{LABOR DAY} Monday - Alma - Gould -
Reed + I go to Ben Fordyce for dinner P.M. Ben
+ I go to Town meeting

My bill allowed \$68.75 services
and auto hire.

We feel heavy earth quake shock
at about 3 P.M.

Supper at Fordyce Over night at home
on the farm.

See Book No

John H. Curo

N^o 3.

5576

1032

11150

10725

5576

575240