

22-45-28

Adams - Hunt - Torv

65

22-45-28 Adams
Hunt



1
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Land owner 45-

Huntiswren Page 66

Oct 24 To Apr 27
1921 - 1922

45-28
Sec 22

3.

Oct 24-1921 Monday

This is the day we start
survey of sec 22-45-28

Surveyed on a petition
County work

8-A.M.

Herald J. Cairns and

John W. Cairns

copy notes in old
record books also

Co Road Eng's office
Walter M. Murphy Eng
helps me 30 minutes.

339
26.34
203.41
22.37
45-28

U.S. Notes

(4)

22-23-26-27-45-28

Linn 10N17E11 = 7.26

I Wood 6N86W14 = 9.24

Auger 12S26W10 = 6.65

WP 24S41W 46 = 30.36

North Bl 22-23-V 11'40" L
1350 MC.

Brush 10S61W 27

WP 7S41E 17

3390. Owl Lake

M.C.

Bl Oak 8N26W14 = 9.24

" 6N35E21 13.86

4550 = 1/4

Butternut 10S82W17

Brush 6N89E45

8000 - 14-15-22-23-

Auger 5N75W6 = 423

OK WP 24N41E 66 = 43.56

Brush 10S29W 112

OK Tam 7S6E 237 = 156.42

45-28
USN

5

33-34-27-28

Aspen 22-84 1/2 E 39

" 6 N 33 1/2 E 10

" 14 N 69 W 40

WP 24 S 32 1/2 W 38 = 25.08

North Pt 27-28- U 11' 40'

4500 = 1/4

Tam 65 53 1/2 E 18

" 65 15 W 19

8000- 21-22-27-28-

Tam 75 19 W 33

" 65 41 E 8

" 8 N 47 1/2 W 14

B-47 N 52 1/2 E 53.

West Tine Line Bet 22-27 ✓ 11.53'

2350 MC. E shore

Buck 65 65 W 10

WP 6 N 73 1/2 E 25 = 16.5 FA

4500 IN LAKE

4175 Over Lake set

MC.

U.S. Notes
(6) 4.5-28

Aspen 9533E 55

Bush 5N50W 50

8000 Cor 21-22-27-28

North But 21-22-V 11°30'E

11000-1/4

Blk Oak N 72W 57.

Aspen N 31E 77

6150 Creek bottom NE-SW

6450 from creek 15 Lks wide NW

7150 to Lake, just W.C.

WP 28 S 40° E W 475'

No alders near

8000 Cor in Lake

West on line Line But

15 mi/22-V 10°53'E

2411 W.C. E. side Lake

WP 12 S 42E 40 26.40

Tam 18 N 15W 48 31.68

5077 W.C. West side of

Coast

U.S. Notes

45-28

? South?

5927

9077

930

⑦

Buck 8S 76 = 50.16 ft.

val.

W. Oak 6N 10.1/2W 70 = 46.20 ft

5927 set M.P. E. side, cor

B. Oak 8N 17E 154

WP 18S 71E 230 =

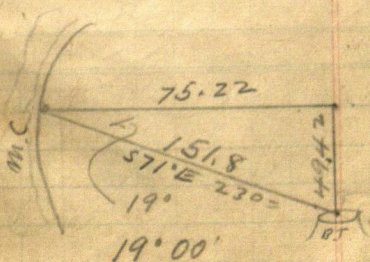
800 cor in lake

North but 15-16-

1050 LV Lake Temp Me.

B. Oak 8N 40.1/2W 158

" " 10N 50E 234



Sine .32557 x 151.8 = 49.42 South

Cosine .94552 x 151.8 = 75.22 East

Time Sheet

Oct 24-1921

24 25 26 27

Harold J. Curd 1

Car

Exp.

John W. Curd 1

Car

Exp.

H. W. Adams 1/2

John Nilson 1/2

7 45 P 28

Sec. 22

8

45-28

Sec 22

Oct 24-1921

John W. Curo and I to
Bramm @ about 11 o'clock
for Sec 22-45-28.

Take both Cars.

We drive to Adams
place on Bay Lake where
we find Nelson and Adams
waiting for us we have
dinner with Adams and
then ^{to my car takes J. W. Curo's car.} drive to the corner to Secs
27-28-33-34-45-28

where we put a temp
corner in the road and get
a starting point to run
line north.

We then drive back to Adams
and I get my Ford and
we ^{leave} J. W. Curo's car
we drive within $\frac{1}{4}$ mile of
the corner to Secs 22-23-26
27-43-28 where U.S. Notes
say.

Harold H. Curo

45-28

Sec 22

Oct 24-1921

Lin 10 N 17 E 11 = 7.26 ft.

Ironwood 6 N 86 W 14 = 9.24 "

Sugar 12 S 26 W 16 = 6.60 "

W. Pine 24 S 41 E 46 = 30.36 "

We find the W.P. stump
from which we set the
corner to Secs. 22-23-26-27
45-28. and start a line
West.

We then follow old fence
North to the lake and
@ M.C. No 21 U.S. Notes
Call for Birch 10 S 61 W 29
W. Pine 7 S 41 E 17

We find the W.P. plainly
marked but do not
have time to set this cor.
we drive to R. J. Maghan
where they say I can stay
Harold P. Curo

45-28

see 22

Oct 24-1921

I take Adams home
and John W Curo drives
back to Brainerd.

Harold J. Curo

45-28
Sec. 22.

15

Oct 25-1921

I leave Maghan @ about
8 o'clock and drive to
Adams where I am to
meet the crew Nelson
does not show up so
Adams & I drive to the
M.C. No. 52 where we
leave the car and walk to the
see corner corner to
Secs 22-23-26-27
45-28 and continue
live

West we have no ch.
so we can not chain
so just cut out the live
@ about 9.30 o'clock John
Nelson comes.

All have dinner with
us Nelsons leaves his
at Adams so we all
go to Adams and eat
our lunch.

Harold J. Conrad

45-28
Sec 22

Oct 23-1921

P.M.

We drive to the corner
to Secs 27-28-33-34
45-28 and get the flag pole
that we left here yester-
day. Then drive back to
Sec. line bet Secs 22-27
45-28 and continue line
West until 5.30 P.M.
quit for night

Harold J. Carr,

45-28
Sec 22

13

Oct 26-1921

Same Crew

Continue Sec. line West
bet Secs 22-27-45-28

@ the corner to Secs.

21-22-27-28-45-28

U.S. notes call for

tain't 7 S 19 W 33

" 6 S 41 E 8

" 8 N 47 1/2 W 14

brick 7 N 52 1/2 E 53

all gone. intersect
line coming from the
North and drive a hub
in the center of it about
25 ft South of stake
marked 47/9.00 south
quit for dinner

P.M.

We go to the 1/4 corner
bet Secs 22-23-45-28

Harold J. Cuss

45-28

see 22

Oct 26-1921

and set a flag, then
we go across arm of
Bay Lake to the corner
to Secs. 22-23-24-27-45-28

and set a nother flag.
Work train out our line
between these two points
and run.

North set Secs 22-23-45-
28. We cut line north
to the lake and set a
flag over lake quit
for night.

As Adams is going
home Sat. and has
a lot of work to do he
can not work any
longer so we quit
until later.

Harold J. Curo

$$\begin{array}{r} 32557 \\ \underline{1518} \\ 260456 \\ 32557 \\ 162785 \\ 72557 \\ \hline 49.421526 \end{array}$$

$$\begin{array}{r} 32557 \\ \underline{1518} \\ 260456.5 \\ 32557 \\ 162785 \\ 32557 \\ \hline 49.421526 \end{array}$$

$$\begin{array}{r} 49552 \\ \underline{1518} \\ 396416 \\ 49552 \\ 247760 \\ 49552 \\ \hline 75219936 \end{array}$$

Time Sheet Jan 1922

SUN
5 6 7 8 9 10 11 12-18

0

JWCuro

Car

Exp

HJCuro

Car

Exp

John

Nelson

Verner

Anderson

1 1 1

1 1 1

25

1 1

1 1 1

1

Board Sheet Jan-1922

With Mrs PJ Magban

567⁵⁸910-1617

JWCuro

HJCuro

V. Anderson

D B B
SL SL
D' B B
SL SL

D D
SL SL
PS L

With Mrs G. W. Hunt.

H.J Curo

JWCuro

V. Anderson

J Nelson

D D

D D

D D

45-28 Sec 22

Jan. 5-1922

Work in C.H. until almost
noon and then drive to
R. J. Maghans and get
dinner.

Crew Harold J. Curo
and Ford car.

V. Anderson Beg. @
the SE Corner of Sec 22
45-28 and chain

North bet. Secs 22 &

23-45-28

@ 240.5 hub

@ 300 stake @ 600 stake

@ 670.50 N Hub.

@ 876.5 N old E. Finner

@ 900 stake about edge of
lake.

@ 1200-1300-1800-2100 stakes

@ 2240.4 edge of ice N
side of lake

@ 2256 old N & S Finner

Harold J. Curo

45-28 - Sec 22 21

Jan 5 1922

@ 2386.2 Hub @ 2400 N stake
@ 2655.6 N stake set for $\frac{1}{4}$
corner @ 2700 N stake

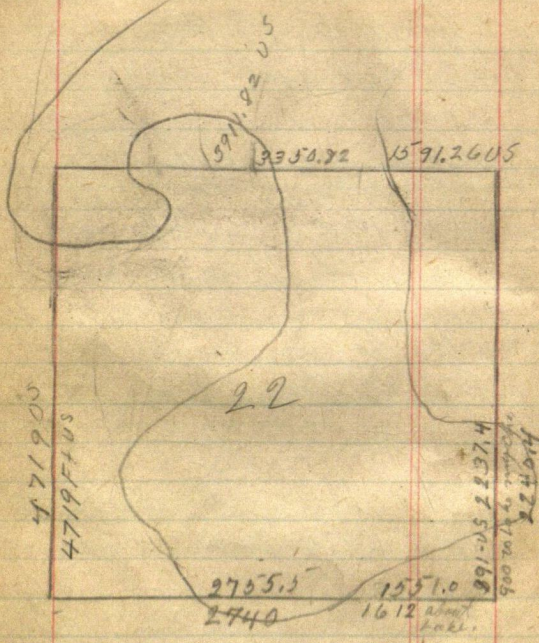
Note.

At the M.C.s on both sides
of the lake there is one B.T.
@ each one, and one B.T.
@ the $\frac{1}{4}$ cor. on the East
side of Sec. 22.

We then walk back to
the S.E. corner of Sec
22-45-28 and
chain.

West @ 300-600-900
w stakes @ 1065.30 w Hub
@ 1200 stake @ 1286.80 w
Hub @ 1500 w stake
quit for night stay with
Mrs R. J. Magham.

Harold J. Curo π



24
45-28

Sec 22

Jan 6-1922

Crew Harold J. Curio π

V. Anderson chain 300ft

Car. We drive to Hunts
where we meet John

Nelson. We walk
to the Hub marked
2386.2 N. bet Sec
22-23 and leave the
tools then walk to the
stake marked 1500 west
between Secs 22-27.
45-28 and Continue
chaining West.

@ 1542 w Hub @ about
1612 Lake @ 1800-

2100-2400-2700 stakes

@ about 2740 L. Lake

@ 2852.40 w Hub

@ 3000-3300-3600 stakes

@ 3637.50 w Hub - 3900 stakes

@ 4076.90 w Hub @ 4200 -

4500 stakes

Harold & Curio π

45-28

25

see 22

Jan 6 - 1922

@ 4605 road NW-SE

@ 4800 w stake, @ 4802 w Hub

@ 5230.85 w Hub.

Note


this Hub sets 36.40 ft
South of stake. Marked
4719 South set by
John W. Curo last
summer.

We then go to Hub
Marked 2386.20 N
bet Secs 22 & 23 - 45-28
and continue our
line North just
out line do not chain

Dinner with Mrs
G. W. Hunt.

H. A. Curo - U. Anderson &

John Nelson.

Harold Curo 

45-28
Sec 22

Jan 7 1922

Crew: Same
beg. @ stake 2700
N on sec line bet
secs. 22-23 chain
North.

@ 3300 stake

@ 3314.4 N Hub.

@ 3600-3900 N stakes

@ 3986.40 N Hub

@ 4200-4300 N stakes

@ 4508 N Hub @ 4800 stake

@ 4971.7 N Hub @ 5100 stake

@ 5280 N stake

@ 5312.30 the NE corner
of Sec 22-45-28. to
N 73°29'W 4.90 ft.

Note

All D.B. Ts. gone

Fence post set in old stake.

Hub. checked two years

ago by J. Nelson from place
where NE Pine buried out

Harold & Crew

45-28
Sec 22

27

Jan 7 1922

All take Dinner with
Mrs Y. W. Hunt.

P.M.

beg @ NE corner of Sec
22-45-28 and run West
@ 84.7 W Hub @ 35-8 W
enter open bog N & S

@ 1343 L0 Same

@ 15-43 Hub

@ 1634 W enter Lake

@ 3354 L0 Same

@ 3366.5 W Hub

@ 3505.2 W "

@ 3774.6 W "

@ 3825 W enter marsh
around lake

@ 4031.4 W Hub.

quit for night

Note

@ Hub 3366.5 old

B.T. - W. Oak. at N 10° 30' E

33.5

U.S. Notes

21

W 30 N 40 W 40 = 26.4
B 12 S 16 W 13

asp 12 N 32 W 92

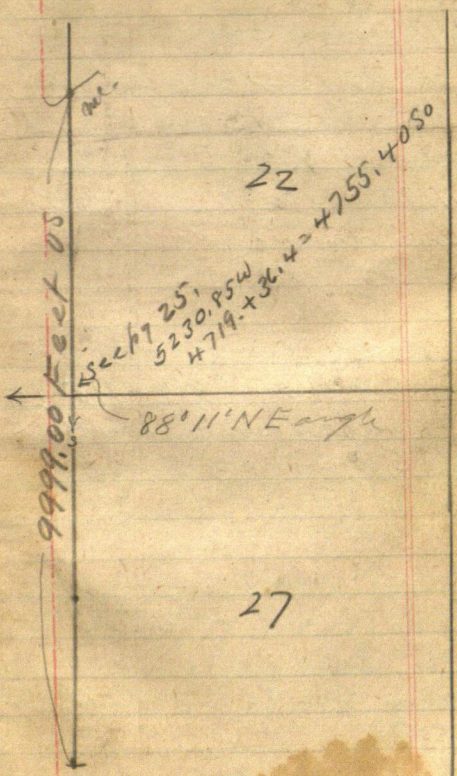
V 10' 22'

Term 6 N 50 E 146

" 6 S 43 E 122

B 0 10 S 39 W 95

28



$5230.85W$
 $+ 719.42$
 $+ 36.42$
 $+ 755.4050$

Jan 16 1922

V. Anderson and I Dr.
Brainerd in my Ford for
Bay Lake @ 10 o'clock
arrive at R. J. Magham's
@ 11-45. too late to go to work
before dinner. so we skip
apes.

P.M.

We drive almost to the S.W.
corner of Sec 22 - 45 - 28
and walk 1 mile south
to the S.W. corner of Sec 27
drive half a 60 ft spike
in State Highway

17.3 ft south of fence
on north side of road.
from said spike we
chain North in bottom
of ditch

@ 300 - 600 - 900 - 1200

1500 - 1800 2100 - 2400

stakes

H. J. C.

N 40° 35' E
317.6

(31) 51

- @ 2641.90 N old stake
marked $\frac{1}{4}$ Sec cor.
- @ 2700-3000-3300-3600-
3900 stakes
- @ 4135.60 N Hub
- @ 4200-4500 N stakes
- @ 4622.1 N Hub
- @ 4800 N stake
- @ 4889.4 N Hub. ✓

N 40° 35' E
4889.4 N
3200

From Hub 4889.40 N
Hub marked 5230.85
west and 4755.40 south
sets N 4° 35' E 317.60 ft

dinner. supper & Lodging
with Mrs R. J. Magham

45-28-Sun

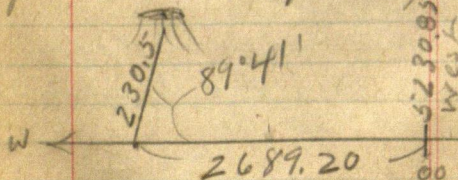
Jan 17-1922.

Herald Curo^{and} V.
AndersonBeg @ Hub 5230.85
W. near SW Cor Sec
22-45-28 = 00.Continue
West on random

809. W. Hub

2017.30 Hub

2689.20 "

From which old Pin
BT stump bearsEast $89^{\circ}41'N$ 230.5
ft to head of stump

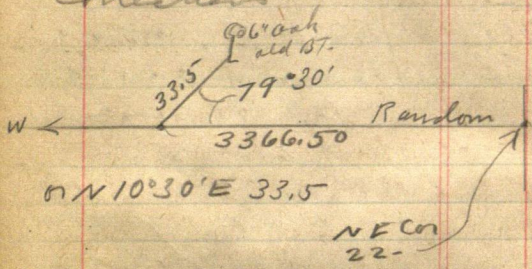
Jan 17-1922.

go to Beamed for dinner

Sec 22 - T45. R 28

Jan 18-1922

Cur. figures
connection



Apr 6-1922

J W Cuss with Harold
and his Ford Car

Copy notes figure corrections
and L v Brannum @ 1-P.M.

Go to the Hunt farm

J W Hunt shows us
6" Oak B.T. on West side
of a point of Bay Lake

also a group of big
W P Stumps on E side
of Cone on W arm of
Bay Lake

Harold & I go to so
side of Cone

Check chain etc

Supper ^{and} our mile with
R J. Maghan

John W Cuss

Time Sheet April 1922

	6	7	8	9	10	11	12	13	14	15	16	SUN	22	23	24	25	26	27	28	29	WED
JW Curo	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1/2	1	1	1	1
EXP	-	-	-	0	-	-	-	105	-	-	0	0	-	40	-	-	40	-	-	-	-
Cor	-	-	1	0	-	-	1/2	1	1	-	0	0	-	-	-	-	-	-	-	-	1
HJ Curo	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1/2	1	1	1	1
Cor	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1/2	1	1	1	1
GW Curo	-	-	1	0	1	1	1/2	1	1	1	0	0	1	1	-	-	-	-	-	-	-
Gos Peterson	-	-	1/2	0	-	1	1	1	1	1	-	0	-	-	-	-	-	-	-	-	-
Chas Magham	-	-	-	0	1	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
Rel Magham	-	-	-	0	-	-	-	1	1	-	0	0	-	-	-	-	-	-	-	-	-
IPB													1	-	1	-	1	1	1	1	1

April 7-1922

Breakfast at 6.45
 Lv for Brainerd with Hecald
 + Ford work all day at
 office of Reg of Records copying
 records and figuring
 angles re. at my office
 Dinner and over mile in
 Brainerd
 Heavy-mud roads

Jahra W.

April 8-1922 Sat.

Brained to Sec 22-
45-28 - with Harold and
Gerald Cues in Ford.
J W Cues in Baby
Caranda (2 cars - only
charge for 1. car)

Dinner with R. J. Maghan
Bad roads

P.M.

Gust Peterson (son-in-
law of R. J. Maghan) helps
us. takes 2. per Skei's
to walk on soft ice

Take Harold's Ford drive
to NW Cor Sec 22-45-28

Intersect random
lines @ NW Cor 22-
on ice in Bay

SE angle reads $91^{\circ}03'$
See plat on page 40

John W Cues

Apr 8-1922
Cmld 7

41

Gus and I chain Harald with
transit @ Hub - - - - - W on
random looking West

Gerald with second π @ Hub
o.o. running Backwards on
random going S.

Intersect point on line
at NW Cn Sec 22-45-28
JWC Flag.

I & Peterson then chain from
Hub o.o. North:

138.4 N - set pt for Wit. m.c.
100. ft 50

238.4 ft for m.c. falls
in edge of marsh too
soft to set Iron Mon.
(falls 20 ft out in water)

@ 300-600 + 212.6 IP
spike on line

Then chain East on
line toward Harald & his

π 300-600-900-1200
1220 L. in - 1200 + 270.8
= 1470.8. Spike set last
written by Harald ruled
3774.6 W = 5245.4

Gus Peterson and I then
walk to chain in lake SE
angle of random a second
time - reads $91^{\circ}03'$

For future reference I
get line to Harold's random
West across lake.

502.50 ft when Gus
dinner Hut on hill NE
of school House and
about 50 ft W of Corrod
and 100 ft about - from water -

Random on N side 22
reads $9^{\circ}45'$ V or E

Ch second spike 3774.6
+ 256.8 = 4031.4, OK.

Spike set by Harold on in
last winter

π @ Hut 3366.5 W
The NW Oak BT. for M.C.
bear N $10^{\circ}30'E$ and on
this line stands
N $10^{\circ}30'W$ of line M.C.
on reverse course

and run from the tie thro
Hut 3366.5 and run.

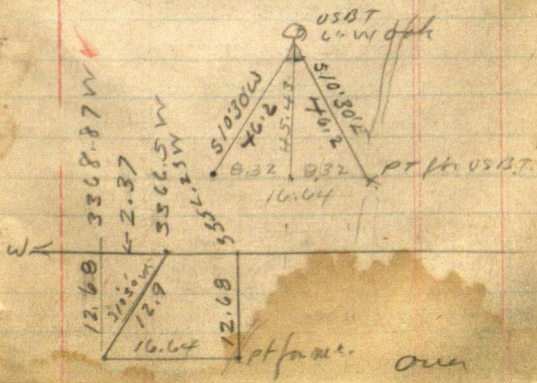
S 10° 30' W 46.2 ft
set Hut for Wit M.C.
ft West.

Nat-: the pt for true
M.C. corner too near
water.

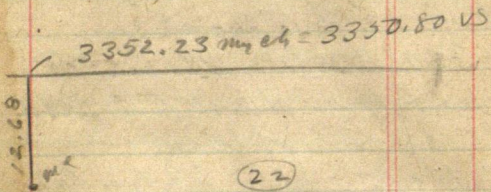
MS Natis here call for: (See
Page 7) "5077 Lks W. side
of Cove"

Buick 8 South 76 Lks.

W. Oak 6 N 10. 1/2° W 70" = 46.20



at 3352.23 West the true
our ref. South 12.68 ft.



3352.23
3350 80
1.43 long

$$3352.23 / 12.68 = .003782$$

$$= 0.13'$$

5245.40 W - True line
S - 19.84 //

40

^{John}
J. J. Waffensmith just got
NE SE 21-45-28
also NE NW 28-45-28
where he lives. P.O. Deerwood
R. 1.

Arthur M. Maghara
813 Holley St Brainerd
was road boss here 10 years
or more ago and built
the road N & S on line
line bet 21-22-45-28
to a tall flag set at
Cor 10 21-22-27-28
level country stakes every
300 ft built to within
about 80 rods of sand
corner - then turned
SW.

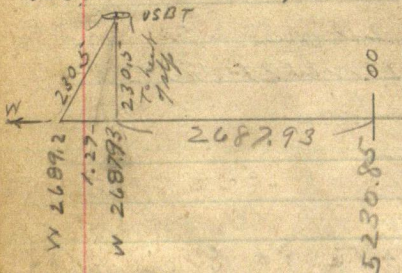
76

3150
18900
189000
207400

$$\begin{array}{r} 2079 \\ 2640 \\ \hline 4719 \end{array}$$

USBT

See Page 32.-25-



$$8941' = 0.19'$$

$$2.1 \times 10^{-5} \times 230.5 = 1.27 \times 10^{-5}$$

$99998 \times 230 = 230,1540$
 heart of 30 inch W.P. 5th

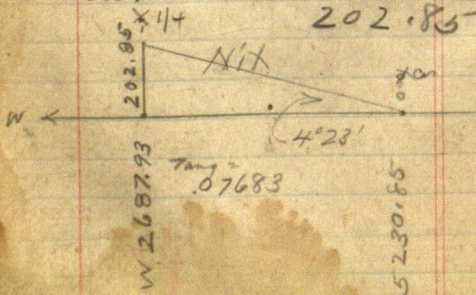
2687.93 W Heat of stamp

sets N 230.5 Side of 30"

scf. $1.25 \text{ pf} = 229.25$

Minus

202.86-



4°23'

sin = 07643X changed Nix
 cos = 99708X

Correcting SW Cor 22.
 as lines. See pg 21-x 24-
 25-31-

4719.00
 36.40
 4755.40

See pg 29-22

$$4719 + 5280 = 9999 \text{ F10}$$

9999.00.05
 = 9961.62 any ch
 37.38 shot
 = .0037384 shot
 5242.62
 4719.00
 9961.62
 5280 shot 19.74
 4719 " 17.64
 37.38

4701.365
 5242.62 N
 5205.98 N
 4755.45
 25.38
 36.4
 317.6

4719.00
 1764
 4701.36
 4°35'
 4889.40
 4°35'
 sin .07991 x 317.6
 cos 99680 x 317.6
 See pg 40

5230.85
 1.71
 5229.14

Nit 46'30" (2.2)
 88°46'30" SW. Cor
 True 5229.14 Lm

54.04 88°11' 0°35'30"
 5230.85

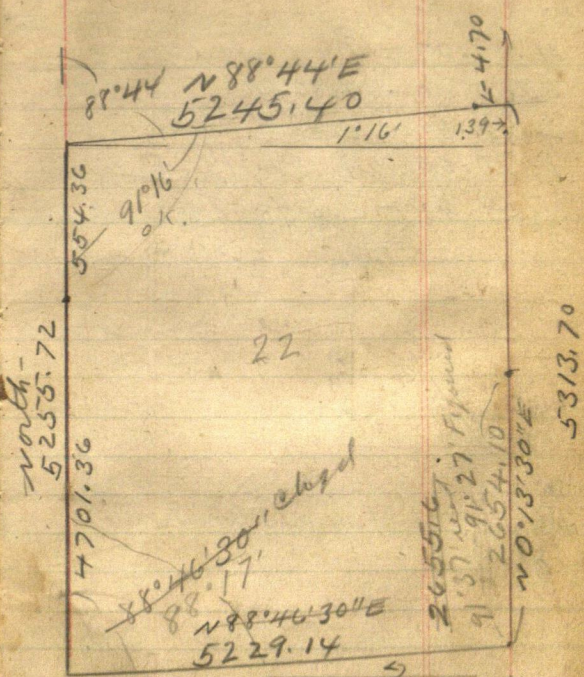
88°11' = 1°49'
 Sin 63170 x 54.04 = 1.71
 on 09995

nwen OK
 0°13' Random
 True 5

WC
 19.84
 91°16'

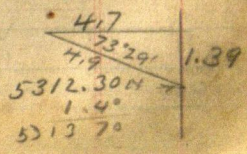
574.20
 554.36
 4701.36
 52557.72 ON

5280.00
 1.974
 5260.26



$73^{\circ}29' - 16^{\circ}31'$
 $\sin 28429 \times 4.9 =$
 $\cos 9587 \times 4.9 =$

$1^{\circ}13'30''$
 N 11



0037384 short

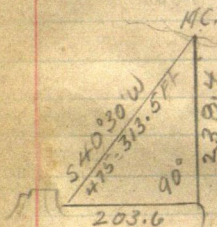
$$4719.00 - 17.64 = 4701.36$$

$$3960.00 - 14.80 = 3945.20$$

$$2640.00 - 9.87 = 2630.13$$

$$1320.00 - 4.93 = 1315.07$$

$$759.00 - 2.84 = 756.16$$



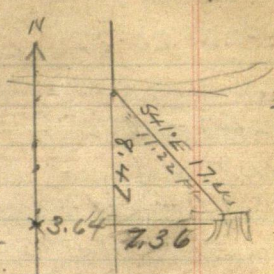
$$756.16 - 238.4 = 517.76$$

April 10-1922 Monday

(22)

23

Random
passer 11.00
ft W of SE BT
Stamp from figure
in face of stp.
= 3.64 W of
pt for MC.



41°
Sine 56606 X 11.22 = 7.36
Cos 75471 X 11.22 = 8.47

91.37 ft
91.17 ft
104.15 ft

SE corner 22
T45-1128



52

At SE Cor 22 =

22-23-26-27 in change

line corner .40 N ^{2nd} .50

= .60 NE

New BTS V_{ij}

Old US BT WP 30' at S 41° E 30.36

Oak 6 S 51° 23' W 51.60 ft

Bass 15 N 49° 40' W 73.35

Basswood 10 N 26° 04' E 62.30

Turned from line random
line looking north

We take the angle of the random
lines @ SE Cor of sec 22-45-28

NW angle reads 91° 37'

Figures 91° 27' See Page 49.

At MC. So side Bay Lake
bet 22-23 - we find Old US
BT Swamp WP 7" S 41° E

17 LKS = 11.22 ft See Page 51

Set stake for MC.

Walk to cor and drive to drive
with Maghan - Chas. M. M. M. M. M.

PM

53

all go back and put in

Wit MC. 25 ft so

set 2x48" 1 in. Cement core

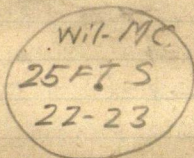
3 1/2" Cap. 3/4x9" anchor rod

set in stone and 4 ft circle

and trench around same

2 ft mound.

Marked thus:



$$Ht 670.5 + 200.3$$

$$= 870.8 -$$

$$\underline{\quad .5 \quad}$$

$$= 870.3 \text{ N. Wit-MC set E}$$

$$3.64 \text{ ft.}$$

Correction = .00422 E about

670.5 N goes E 2.81 + .09 = 2.90

E. set Hub and tall plate

mkd true Sec line. set by Curve

$$Ht 240.5 N goes 1.00 + 3 =$$

$$1.30 \text{ E. at tall plate true line}$$

54

Mt. Cn to 22-23-26-27

45-28- set 2x48" I.M.

same as M.C. but mtd

22	23
27	26

 oval cap 393
 3 1/2 inch

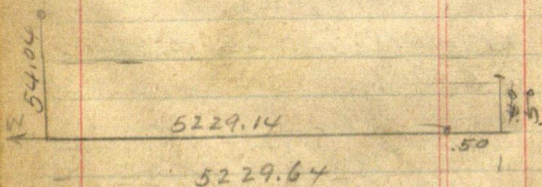
set well in big

stone 5 ft circle and beneath
2 1/2 ft hi

Correcting

Line bet 22-27 =

$$= 001023 + 50^{\sim} \text{for each 100}$$



Hub 1065.30 W. gun N 10.89

+ .50 = 11.39 set Hub and

full stake mtd true line.

Hub 1307. W. is really
 1307.39 W and gives N
 $13.51 + 35 = 13.86$ O.K.

From Hub mtd 1286.8 Chain 20.2 W
 The N 13.86 O.K.

Oak 71 N 45° E 30.10 2' Hub
 Pop 95 43° 27' E 24.25

T @ Hub 15^{15.2} 42 W chain N

$15.77 + 50 = 16.27$ Then
 2. ~~40~~⁵⁰ E 15 1540 ft W

of line sec on

W & M Cor 10 ft to end

10 ft W of 4 ft creek corner
 from SE run west

Sharp pt of land 12 ft NE
 set same I m - same as

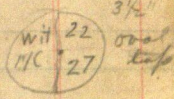
sec on mtd

lots of big stones

no room to make

fireplace or mound. On sea
 wall near lake

Home @ 7-



John W. Curcio

56

April 11-1922 Tuesday

Gus Peterson works L & 7-45
 AM - Clear sun strong N. wind
 colds - freezing

\bar{A} @ Hut 2852.4 W. Chan
 $E 66.5$ T. Hut 2785.9 + .50 = 2786.4

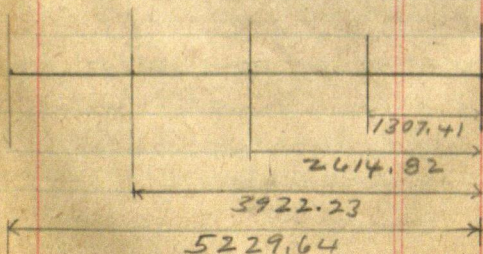
Correction = N. .01023

$2785.9 \times .01023 = 28.50 + .50 = 29.0$

Hut 3637.5 W gas N

$37.2 + .5 = 37.70$ Hut & L & 4

plate marked True sec Lin. 0/4



T45-28

Note: Hub 3921.73 is really
 3922.23 West and goes
 North 40.65 T. W $\frac{1}{16}$ but
 22-27-45-28

From slat 3900 - chain W
 21.73 then N 90° - 40.65 ft
 set hub and lat slat, marked
 true sec line - Cur
 BTS Vig

7" Pap N about 70° W 41.60 ft
 10" " S " 2° E 14.9
 on 1. W E & 14.9 A =
 W $\frac{1}{16}$ But 22-27-

Hub 4605 - about 12 ft W
 of road (See Page 25)
 goes N 47.23 + .50 = 47.73
 set Hub and lat slat
 marked line sec line
 Dinner at same place

58

PM.

at Ht 5230.85 W

we turn NE angle $88^{\circ}11'$ and
run N 54.04 ft and place
pt on my old transit line
set $2 \times 48''$ I. m. - on 4 ft
circle 1. ft Ht. - 4" round
oval cap Minnesota
Standard Monument.

We leave this so it can
be driven down for road
purposes as Murphy will
build this road right away
Note: Ht 5230.85 is

0.40 of aft West - out of
line with my old transit
line but the $88^{\circ}11'$ brings
the line corner right on
my N & S transit line
which splits the E of old
road 80 rods north and
follows same to Bay Lake

21	22
28	27

True	88.42	Read
W		Round

dive a mil. north to Bay Lake
and re-locate my old liant line

759.00 old Temp. $\frac{1}{16}$

2079. Temp $\frac{1}{4}$

3399. " $\frac{5}{16}$

4719. " Sec Con SW Con 22.

Note: This 4719. is 17.64 short
See Page 47. = .0037381 short

759-gaen N 2.84 T. 756.16 S

2079- " N 7.77 T. 2071.23 S

3399- " N 12.70 T. 3386.30 S

4719- " N 17.64 T. 4701.36 S

Bag @ Hut 787.9 Chain N. 31.74
T. 756.16 S = True N $\frac{1}{16}$ C

Bag @ Hut 787.9 Chain S
112.10 ft 15 900 - Then 1200

1500 - 1800 + 271.23 = $\frac{1}{4}$

2100 - 2400 - 2700 - 3000 -

3300 + 86.30 = S $\frac{1}{16}$

3300 + 286.3 = 3586.30

10 ft 3.80 ft W of oak line
set line with north edge
of same. ^{my} old hut is gone

60

Too windy to live in hubs
go home to supper @ 5-30

After supper Harold and
Mrs Peterson go back and
live in Hubs - Gerald
and I drive in to
Primerd - Hunt brings out
my Car Battery also Gerald's
rubbers.

April 12-1922 Wed.

Harold and Gus set I.M.S.
3 1/2 st. US Mon. Oval
S 1/16 and 1/4 bet 21-22
dig hole for N 1/16. Hard
digging

I write up notes and
Lv. Red 12-30 at 1-20
P.M.

π @ 1/4 on bet 21-22

6" T. l. pale S. 17° 51' E 105.90 ^{10 d. rail}

6" T. l. pale N 23° 28' E 82.85

To 20' spike

Turned from line N to line

1/4 2' W of W wheel track

Turn N 89° 01' E and

run 80 rods to lake

at hut where Harold

goes with Liawit and

Harold-Gus and I drive

For 10 miles N-E to S

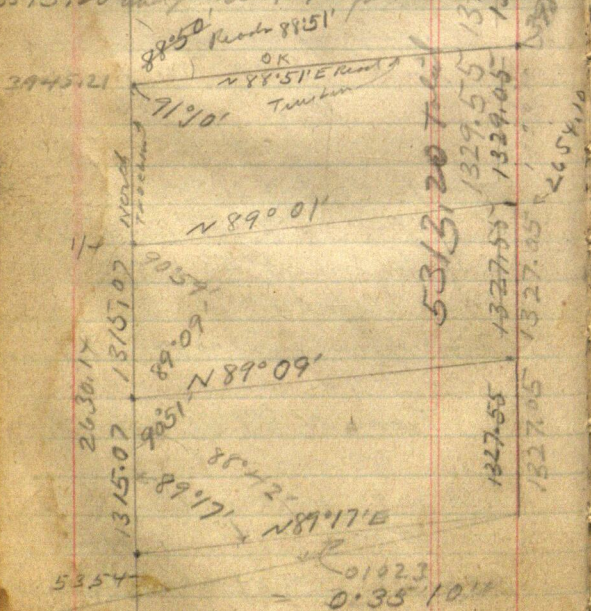
W to point N.E. of lake

(62) Natl Plateau vol 1327.55 N
is 1327.05 N of Tuncu

Stahnd 2654.604 is 2654.1011

Stk No 3984.15 is really
3983.65 and gave W 2.35 T.
N. 116 (See Pg 49)

Slk Mid 5313.70 H is only
5313.20 and grow 4.70 W



Harold gives us double
center Hub from a point where
Liamint acts half a mile W-
across Lake

Then walk 80 rods
E 15

$\frac{1}{4}$ but 22-23 - where US
values call for

Buttment 10 S 82° W

17 links = 11.22 ft

Buck 6 N 89° E 45 = 29.70

We find the tall stump
of the Buttment plainly
marked from which we
set the point for the line

$\frac{1}{4}$ corner turned
perfect from the true
line looking half a mile
(almost), south.

New $\frac{1}{4}$ Cor corner 1. ft
So of Harold. Limp spike

Went 2655.6 See P 21 and

.80 ft to S. 20 E of Garrison's cor
old BT root checker

64

1/4 Corbet 22-23-45-28

new BTS

8" Mapl. N 73° 50' W 19.60

10" Baro S 21° 55' E 5.50

Turned from line line &

Set By Jahn & Curro -

Herald Curro and Gus Peterson

Walk half a mile north to

Herald's Ford drive home

at 7-40 Cook meat

Char Mahan makes a don
fool of himself and we all
pick up Gerald and I get
supper Herald goes without
supper all go to Beaman's

April 13-1922. Thursday

Herald in his new Ford
JWC and Herald in Baby
Grande drive to Mahan farm
Lunch for 3 - @ 35¢ = \$1.05

Lv Bld 8-50 - ar Mahan farm
about 9-50 Herald takes
Gus Peterson and old man
RJ Magham and drives 15 miles
N and E then S to Hot on E
side Bay Lake.

Gerald and I work on West side
put up book shots work on N 1/4 of
sec 22 - 45-28 - snow some
all am.

(Note: Chas Magham refuses
to go on acct of heavy brush
to be cut E of the lake)

Gerald and I put in N '116
bet 21-22 - 45-28

MS Mon no stone under pt
other than way.

4 1/2 ft mound 1. ft Hi

R over '116 line N 88° 50' E

27.5 E to road

50. net 2x2 oak plank
set about 900 ft settled
moire in field

44.8 E cross 3 wire fence

2 parts 60.7 N of SW cor

B.T.S. - spot at base of 8" Td
pole S 31° 20' E 97.15

2' Oak N 82° 08' W 53.30

Too small to spot

E Hunt road S 22° 15' E

72.5

SW corner of fence S 41° E

78.3 E base

Garrison's old '116 post
S 56° 45' E 14. ft

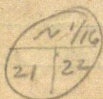
E road 125 N.

SW cor of swamp N 45° E 67
300 ft

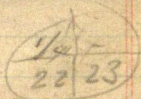
Run N 88° 50' E

300-600 - stake 671. pit 9 ft in
of cor part of fence run SW and
N @ 641 about 100 ft
NE SW @ 693.30 Stake 2
Hunt road 900-1137.15 Stake
in field 1200 stake

Herald and his crew
run the center line East and
hit out 0.50 of a foot 20 of
the 1/4 corner. Then set the
3 1/2" U.S. Mon 4 1/2 ft circle
and trench



T 45
R 2 Y



Herald takes the Maghan &
Lynn Peterson home @ 6 PM
Herald & I work later all go
3 miles N to The Oaks

S 56° 45' E 14 ft
Sew 83629 X 14 = 11.71 E
Com 54829 X 14 = 7.68 S

April 14-1922 Friday

Herald Los "The Oaks"

@ 7-45 AM - drives to Mahon farm
5 miles - gets Gus and old man
Mahon and back to Hunts

Gerald and I drive to Hunt
or 15 minutes ahead of Herald

We all sharpen axes at
Hunts while Herald goes
to The Oaks for another tract
gets back by the time we get
axes sharpened

@ Hunt 1137.15 Continue

East on N $\frac{1}{4}$ line Sec 22

T+5 R 28. at 1200. stake + 110.36

= 1310.36 Hat Temp $\frac{1}{16}$

(P.M.) From 1310.36 ch E 98.54

To 1408.90 stake w-edge of bog

+ 250.30 = 1659.20 stake

in Cranberry bog + 209.70

1868.90 Hat 20 $\frac{1}{16}$ E of bog

go get 10 gals gas 3 $\frac{1}{2}$ + 3 $\frac{1}{2}$ = 7. miles

John W. Carr

3934.95
3774.60
159.45
and
514.9

5245.40

1311.35 1311.35 1311.35 1311.35

1310.36

1309.38

1308.40

1307.41

1307.41

1307.41

1307.41

5229.64

 $5237.52 + 2.35$
 $= 5239.87$

5313.20

 $5239.87 + 2.35$
 $= 5242.22$

5255.72

Nali: when we are 2000 ft. out
Hunt comes to stop us from cutting
the small trees. but finally
decides to let us go then and
to cut what is necessary

1311.35

5245.40

5255.72

5229.64

1307.41

15.76

5229.64

1311.35

1307.41

22618.76

1309.38

1311.35

22620.72

1310.36

70

Going to N. $\frac{1}{16}$ W. line 22 cu.
S 41° E 78.3 T. SW cor. part of fence
from which we chain South
on E side of road 91.4 To NW
cor. of another fence which runs
straight E or W for about 400'
E or W along N. $\frac{1}{16}$ line

@ about 225 E fence S 88° W
E Road 100' R. S. fence 124' R.
Swamp 150' L.

Note from here E or W the North
fence curves with the road 1/2 left

@ Abt 300 E Fence 88° R
Road 99° R. S. fence 112° R.
Swamp 60' L.

@ about 390 E Fence 78° R.
E Road 88° R. Cor. part of fence
on S fence 100' R. Swamp 50' L.

at 400 E the west part of
thick small Birch & Pop lumps
stands 30 ft. So of fence.
Road

S to 500 E. Fence 46° R
E road 57° R. Timber 84° R.

Slab 671 E from 11.5 N

71

Road 23 N. Scarp 90' L.

625 E Timber 53' L

671 E from ca 9' L

Timber 48 R

N. side Timber runs straight
from here E. nearly

End straight N. by 111 ft L
to bog

1360 E Timber 83' R To end
of timber west side of bog

From Hub 1868, $90 + 93.5 =$
 1962.40 Hub + $300 = 2262.4$
slake + $77.9 = 2340.30$

Hub on top of hill + $200 =$
 2540.30 slake + $17.10 =$

2557.40 Hub under
transit + $21.70 = 2579.10$

Hub for lamp M.C. 10 ft W
of water

Herald runs E and
hits line @ 3992.6 N

Lo so as to get Maghan home
at 6-P.M then come back
and meet Herald and

72

I am work till 6-45-
first 7 minutes and
on miller at 7.7 PM
at home supper and
I go home to dinner
at 8-15-

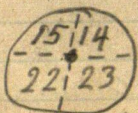
John W. C.

45-28

73

April 15-1922

Harold and I & Miller
 @ 7 o'clock in my Ford
 we drive to the N 1/4 line
 of sec. 22 where we
 walk East to the shore
 of Bay Lake where we
 get harrit, chain & post hole
 digger and then drive to
 the NE corner of sec.
 22 where we leave car
 and walk 1/2 mile South
 to the true 1/4 cor on the
 East side of sec 22 and
 rechain N and find the
 1/2 mile 2658.20 Ft.
 we put in I.M. MKD.



stone set No "Circle corner"
 in pt of water mound
 Harold J. Curo

74

45-28
secs 22changed
T₉ 1329.10
N

April 15/1922

made of rock and sand
 $3\frac{1}{2}$ ft wide and 2 ft high
 we then go to Hub mtd
 N1331 ? and change South
 to a point 1329.10 N and
 then west 2.35 ft to the
 true N $\frac{1}{16}$ bet secs 22-23
 45-28. where we set
 an I.M. marked

(N $\frac{1}{16}$
 22-23)

Stone set $\frac{3}{4}$ of a
 trench around iron as
 there is a large pine stump
 in the road mound 3 ft
 wide 1 ft high.

quit work as that is
 all we can do.

drive to Millers arrive
 @ 5.30 P.M. to early
 supper so Harold
 and I drive to the
 N $\frac{1}{16}$ on west side

45-28
Secs 22

75

April-15-1922

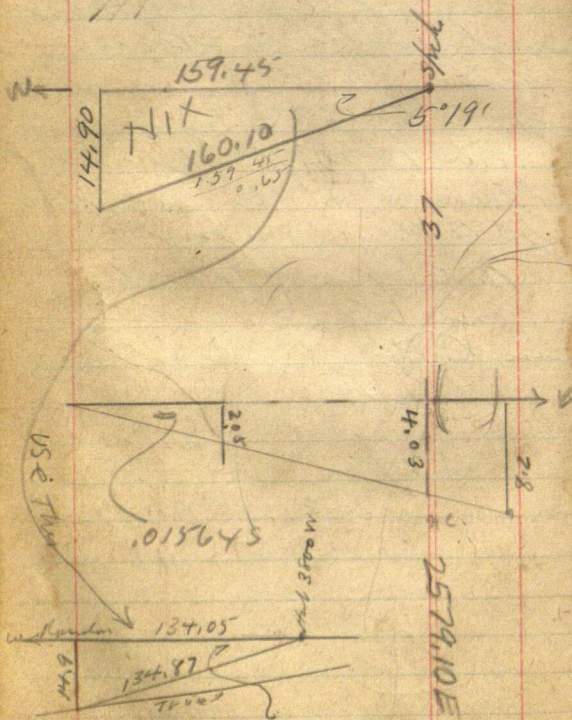
of sec 22 - 45-28 and
leave Maghanna shovel
and post-hole digger
fish until seven and
go back get supper and
drive to Bird. Leave
Harold at home 5 fish
go to the show meet
J. P. Batcock take him
home back & stay
in C.H. all night

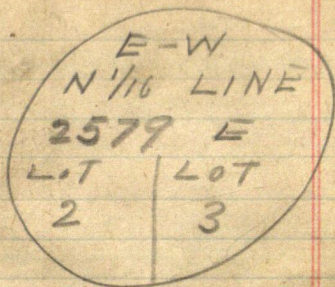
Harold J. Curo

76

Correction

See page 44-43-40-69-48





10" Buick

7.5 E x 4.03 IX

8.2 NE

5' Buick S about 20' E

6.90

= 2.5 E

134.) 14.9

||||| = 6°20'

6°20'

Sine 110031
 Cos 99390

1134.87

9939/134.05

9939

34660.

29817

48430.

39756

86740.

79512

72280

N

1/16

CEN.-NW

QTR

N

WIT
US MC

15 | 22

15 Oak 80°W 9.5 2'N

14 WP S2'E 24.8 2'E

Su 22-45-28

April 27-1922

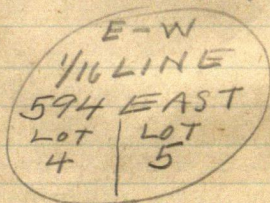
at S $\frac{1}{16}$ lin N 89° 09' E
and run E or on a $\frac{1}{16}$ lin
10 Hub 33, Hub 300 stake

$300 + 137.5 = 437.5$ Hub.

$300 + 176 = 476.0$ Entry Meadow

$437.5 + 156.5 = 594.0$ East to I.M.

in Edge of Meadow. 300 ft
from wall of soft bog East

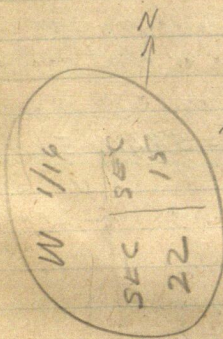


Apr 27 Lie 9-2 10 am
 drive 3 men with Hunt
 Bob-Horald & Fred & I.

Correction N Body 22 = 13782.5

3800 + 134.05 = 3934.05 gals

14.90.



return soft marsh
 100 ft E of water

Not 3800 gals 14.37 ret Hunt
 on line here about 90° 3782

Edge of marsh	30256
and solid land	11346
	<hr/> 143716

Apr 27-1922
some notes in bath books
Correcting

N $\frac{1}{16}$ line

Hub 1137.15 E gas S 1.78

drum 2x2x16" oak hub lat

slab mhd line E+W $\frac{1}{16}$ line

Note -

A new line of slake set about

April 25-1922 by Wilkes Hunt

set 57.5 ft S and another thin
dead slake 6' lat 1" this set.

5 ft further South

Apr 27-1922

Tr @ N 1/4 run Check angl
NE angl near $88^{\circ}51'$ is
on line lines should be $88^{\circ}50'$ figured?
 $31.7 + \quad \quad + 132$

1310.36
1268.64

2579.00

5230
5253
32
23

Concedin

1564. apr. 1562

on.

5243

1562

10486

31758

26215

5243

8.189566

5243

1564

20972

31758

26215

5243

8.200052

Station S. 1 in. Sec 26
45-28
20" rock North 54' ft
30 " NW 37.13-11

~~Station S. 1 in. Sec 26~~
~~45-28~~

July 11

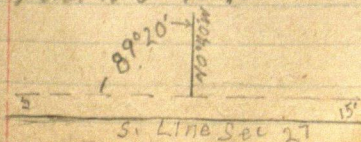
Ed + I to Bay Lake

pick up Joe and go to NW
Cor sec 27-45-28 try
to find our old but set in
1922 find nothing

We go look for $\frac{1}{4}$ bet 27-28
where there use to be a 2x2"
wood stake now fence corner

We go to Hy. pt for Sec. Cor
SW of 27 offset N 15 ft
go E to take find 2" pipe at
for M.C. S side Sec 27
offset N 15 ft flag at offset
hubs go to pt near $\frac{1}{4}$ S side
27 work T on line

Turn pt on 15 ft offset
N of south line site W T @ 90°
run N 0° 40' W.



Chain West @ 132.85' hub on 15 ft
offset N. + 204.9

337.75' hub spike
+ 300
637.75' pin

+ 300
937.75' pin

+ 300
1237.75' pin

+ 300
1537.75' pin

+ 300
1837.75' pin

+ 300
2137.75' pin

+ 300
2437.75' pin

+ 180
2617.75'

- 2.8
2614.95' cor. 15 ft S.

July 12

Ed + I to Bay Lake

A π over hub backsite $50^{\circ}40'$

E on spike on S. line Sec 27

on offset N. of S. line 15 ft

run $N 1^{\circ}54'W$ 806.8

To spike B

from spike chain S 150 + 300 =

450 S + 300 = 750 min

+

1196

869.6 - 4 ft =

865.6 S hub. 60 ft spike wellgro of ten

300

1165.6 + 300 = 1465.6 min

+ 300 = 1765.6 min + 300 = 2065.6 S

min + 300 = 2365.6 + 10175 =

1075

+ 2376.35 hub 60 ft spike

+

300

2676.35 min

+

300

2976.35

1019.5

3995.85 hub

338

4333.85

806.8 c

Tower B B S on B

IMMC bears $N 36^{\circ} 50' W$

$\& 172.5$

Dean's IM bears $N 78^{\circ} 16' E$

31.35

IM have way between
Sec. Corners bears

$S 87^{\circ} 42' E \quad 71.6$

Tower MC Site $S 36^{\circ} 50' E$

on B. IM MC over lake on

S line Sec. 22 bears

$N 89^{\circ} 13' E$

beg at spike hub. on
15 ft N offset from S line Sec
27 chain West

@ 9.5' \pm center of No 6
mark on 18 put \angle 6 at
11.11 E \pm

from our hub chain E
470. pin + 100 = 570 +

$$\begin{array}{r} 330 \\ \hline 900 \\ 300 \\ \hline 1200 \\ 300 \\ \hline 1500 \\ T \quad 23.3 \\ \hline 1523.3 \text{ to IM} \end{array}$$

$$\begin{array}{r}
 1200.00 \\
 621.85 \\
 \hline
 1137.15
 \end{array}$$

Henry Patterson

W. Wiley 28 years ago

$$\begin{array}{r}
 50 \\
 200 \\
 \hline
 100.00
 \end{array}$$

2658.20

2654.50

3312.30

65

2648.48

2525.95

22.53

57

2253

36.47

40.60

36.47

3.53

65

MINING
TRANSIT BOOK
368

Field Notes
 Surveys etc.
 County Surveyor Cass County
 Walker Minn

J.W. Curo.
 County Surveyor

P.R. Boese
 1915

(2)

Index

page to page

#1916	Horst	Setting corners for ditch	14 to 26
6-1916	Horst	" "	26 " 57
(Recorded)	P. R. Boege	Sec 7	7-14
Recorded	Setting Corners for	136-32	58-63
136-32	Judicial	Ditch No. 7	Horst 64-76

4

Index

Page	Township	Section	Range	Nature of Work
------	----------	---------	-------	----------------

⑦

Fare on Rly Minneapolis to Walker \$3.80
Left Minneapolis @ 7:40 PM April 3rd
Arrived @ Walker @ 3:00 AM April 4th
Slept @ Chase Hotel
Reported to J.W. Curo @ 10:00 AM
Left Walker @ 9:20 April 5th
Arrived Hackensack 10:20 AM
Arrived @ A Linbergh's Place @ 1:30 PM
Went out in afternoon to help, H. Gorman
Ran Random Line on $\frac{1}{4}$ Line W. April 6th
Ran Random Line on $\frac{1}{16}$ Line W April 7th
Left Hackensack @ 2:40 AM April 8th
Arrived Walker @ 3:00 AM (Stayed @ Chase Hotel)
Rly Fare Hackensack to Walker 28¢
Helped J Curo to make Survey of Road
Left Walker @ 12:20 April 9th
Fare on Rly Walker to Hackensack 28¢
Slept @ Spains & had Breakfast
Left Hackensack @ 10:05 AM
Arrived @ Sylvan @ 12:25 PM
Rly Fare Hackensack to Sylvan \$1.20
Received \$5 from J Curo for Expense
Saw Peter Yde Chairman of Town Board
Stayed with Mr Ramsey also of Town Board
Heavy Rain no work done.

P.R. Boese.

Fine day started work @ 7 AM April 10th
 to run $\frac{1}{2}$ of Road in Sec 7 Tp 133, R 29
 Assisted by P. Yde, P. Strope, & Kemp
 of the Town Board, quit work @ 6 PM

April 11th ~~Monday~~ Sunday

April 12th Finished work started @ 10th
 at 12 Noon, started work on Road
 between Sections 17 & 18 Tp 133 R 29.

April 13th Finished running $\frac{1}{2}$ of Road
 between Sec 17 & 18 @ 4:30, Re. ran
 $\frac{1}{2}$ of Road between Sections 8 & 13
 on Town Line between Tps 133. R 29
 & 133, R 30, Finished @ 6:30 PM.

April 14th - Started to run Road centres
 in Section 13 Tp 133 R 29 and Sec 24

April 15th Finished Road centres in Sec 13
 and 24.

April 16 Started Road centres in Sec 8
 9 & 4 Tp 133 R 29

April 17th Finished Road centres in sec 8, 9 & 4.

April 18th Sunday

April 19th Made up Records of above work
 and put same in Township Book for P. Yde,
 returned to Walker @ 2:00 PM. Pay fare
 Sylvan to Walker \$ 1.46.

10

Station	Angle	Bearing	Distance
---------	-------	---------	----------

Traverse of existing Road in Section 7 Tp 133 R 29,
for revised Survey of Proposed Road, which runs
around Lake on East side of Section.

19+92		N 39° 56' E	92'
19+00	20° 17' R	N 19° 39' E	300'
18+00	6° 00' R	N 13° 39' E	200'
14+00	0° 46' L	N 14° 25' E	366.5'
10+33.5	7° 37' L	N 22° 02' E	658'
3+75.5	8° 13' L	N 30° 15' E	375.5'
0+00			

X

April 10th 1915.

11

Started work @ 7 AM. P.R. Boese
Quit " @ 6 PM.

Chairmen

P. Yde, P. Staub, J. Kemp.

= Δ on N. 5 Section Line between Sections 7 & 12
Tps 133 and 133 R 29 & 30. 160' N of SW corner of Sec. 7.

= Random Point on Existing Road. 33' East of a point
on Survey of proposed Road, said point is at the
South end of line which runs N 38° 47' E. distance 137 ft.

Friday May 7-1915

Work all day for Conn Co. in survey
of Webb Lake road

Lo Walker at 9-20 AM At Hack
10-17 AM. RR fare 28¢ & 28¢ Spencer
and I.

Lo Hack 10-30 with J. F. Stir-
walt (who I have engaged by
phone) and Auto and with Chas
Bilbin - J. B. Spencer - we pick up
J. B. Krahe on the road - go almost
to Webb Lake - where we send
Stirwalt & auto back to Hack -
with orders to meet us at 3 P.M.

Walk to Spencer's cottage on
Webb Coast our own lunch and
with Matson

14

Twp 136. Range 32.
Saturday. April. 22. 1916.

I begin working for Poplar Twp
by writing field notes getting
Plats and other necessary
information necessary to
establish Sec and $\frac{1}{4}$ Sec corners
required by Engineer Willard
on a proposed ditch

I leave Walker for Backus
Sat Night on 12-30 train
Ry. fare to Backus \$0.49c
at Backus Hotel overnight

Elmer B. Horst

136-32.

Sunday, April, 23-1916. Easter. (15)

Breakfast & Dinner at Bachus
Hotel. Hotel expense \$1.20

I go with A.A. Mowatt via his
Ford Car to his place in sec. 2.

Poplar Twp. where I get supper,
bed, breakfast and lunch or dinner.
I also call the board members that
have telephones and they tell me
to meet them Monday morning at
a school house at CR to sections

3-4-9-10.

Elmer B. Hirst

136-32

Monday. April. 24. 1916.

I take outfit and go to corral
secs 3-4-9 and 10Where I meet John. Dague
Will, E. Goodall and J. Earl
Dague, who inform me of
the corners to be established.I find U.S. B.T. at 3-4-9-10
Where U.S. notes call for

G-Pine	22	N 58° E	23	{ New Bts (on next page)
" "	6	N 41° W	140	
" "	8	S 27½° W	20	

J-pine. 10 S 35° E 24

I find stump of G.P. 22 N 58° E 23
and stake which checks with notesI take compass and John Dague
+ Will Goodall chain. Earl Dague
bringing axes we chain N and
find a stake at sta 2652.9 and
stump of G-Pine 12 N 5° E 115.

" " " " 14 N 2° W 387.

I drive post and take New Bts
being ¼ cor bet secs 344-136-32.

Jack pine 5 N 62° E 32.4 ft.

" " 6 S 49° E 142.0 ft.

Record 35-2

136-32 Poplar Swamp.

17

Monday April 24-1916. Continued

New B.T. to 3-4-9-10

Cy-Pine 12 N 17° W 137 ft

Jack " 8 N 43° E 60 "

" " 4 S 41° W 61.2 ft

No other trees near

We return to cor of sec 3-4-9-10
and run transit line W. 9° Var
at 535 ft W set Hub

" 2832 " " "

" 2350 " " enter large swamp

" 2640 " " set Hub $\frac{1}{4}$ cor gone

" 5000 " " point of highland

" 5358 " " See cor to 4-5-8-9

established by Curo. with New B.T.s

B-Gilead 16 S 35 $\frac{1}{4}$ E 166 ft.

Popple 8 N 44° E 164.5 ft.

Cor sets S of random line 6 ft

we continue line W

at 5378 ft W. enter swamp.

" 7953 " " set Hub.

" 9358 " " leave swamp

" 9892 " " set Hub

" 10692 " " " a post sets S 1 ft

quit for night

E. B. Horst.

Poplar Twp 136-32.

Tuesday April 25-1916

Horst, transit, John Dague and
James Johnson Chain Earl Dague
axe & flag, (John Dague's team)

Continue line W bet sec 6 & 7

at 11792 ft W enter swamp

" 12492 " " leave "

" 13312 " " set Hub

" 14295.5 " " " "

" 14395 " " enter swamp

" 14670 " " leave "

" 14970.6 " " tack in 10 in stump

" 15662 " " S.W. cor to sec 6 on

Twp line sets S 10 ft

established by Peore under Euro
with following B. Tr

Truck 5 N 75° 45' W 31.5 ft

" 6 N 58° E 31.7 "

" 5 S 70° 30' E 34.8 "

" 6 S 51° 30' W 35.9 "

distance bet corners of 4-5-8-9

and S.W. cor sec 6 U.S. Chain = 10319.1 ft

our chain = 10309.8 ft

1 ft U.S. = .9991 ft our chain

10 ft - 6 ft = 4 ft ÷ 10309.8 ft

= 000388 Sine of 0° 1' 30"

quit for night E.B. Horst

Poplar, Surp - 136-32.

19

Wednesday, April, 26-1916.

Horst, transit, John Wague ^{and team} and
J.B. Johnson chain, Earl Wague apr-flag
Correcting back

$\frac{1}{4}$ cor between sec 6+7 at station
13278.24 goes S 9.08 ft

Cor to sections 5-6-7-8 at station
10640.64 ft W sets S 8.05 ft

$\frac{1}{4}$ cor between sections 5 and 8 at
station 7996.42 ft W sets S 7.03 ft

at sta 5353 ft W Cor to 4-5-8-9 sets S
of random $\frac{1}{4}$ cor bet 4 and 9 at sta
2676.5 ft W sets S 3 ft

John Wague and I walk to $\frac{1}{4}$ cor
between sections 4+5 we find

U.S. Bt W. Pine 36 N 63 $\frac{1}{2}$ E 13.2 ft

a New Bt Ash 4 N 41 $\frac{1}{2}$ W 6.3 "

Cor established by Surveyor Poore

I check measurements to Bt. and find
same all right so I dine near post at Cor.

Quit for night

E.B. Horst.

Thursday, April, 27, 1916.

Horst, transit, John Deque and J.B. Johnson chain. J. Earl Deque apt flag John Deque with team drives us to N side of sec 4 on Twp line and we look for Bearing trees to S.E. Cor of sec 33 Twp 137-32 from which to locate a starting point to establish $\frac{1}{4}$ cor on N side sec 4-136-32. We find no evidence from which to establish a corner at this point so we follow Twp line W looking for Bearings and corners at every place called for by C.S. Notes at NW-Cor to Twp 136-32 we stop, not being able to locate this cor we return to $\frac{1}{4}$ cor on S side of sec 32 137-32 where we find an old tamarack stake in tall grass we look this place over carefully and find an Elm stump bearing the Bt. we measure from this stump the required distance and set transit over pit for cor and look for spruce stump which we find at required distance. it being rotted to the ground.

Thursday, April, 27-1914. Continued
 I consider this as sufficient evidence
 for the cor and drive 4"4"14" post to
 mark same. U.S. notes at this cor call
 for Elm 7 in N. 43° W 18.

Spur 16 in N. 47° E. 46.

I remark Elm Stump as there are no
 other trees or stumps near.

I run random line E on Trip line. Var 8°30'
 at 1440.5 ft E, set Hub

" 2167.2 " " " "
 " 2551.8 " " " "
 " 2912.8 " " " "
 " 2962. " " small creek
 " 3974. " " set Hub and quit
 for night

E. B. Horst.

Friday, April, 28-1916.

Note. See bottom of next page

at Hub 3974.5 on line run yesterday is near point called for by U.S. notes as N.W. Cor to Sec 4. 136-32 we look for old U.S. post and find the point of an old oak post in the ground. There is an old fence running S and one E, the fence was evidently built from this post having left $1\frac{1}{2}$ rods for a road on N & W side of Sec 4. I accept this as the U.S. Cor and distance = 3950.5 ft E of $\frac{1}{4}$ cor on S side of Sec 32. Trp 137-32 no trees within 40 rods so I drive post and put up a stone mound.

From N.W. Cor of sec 4-136-32 I run random line E at 90° as

at 538. ft E set Hub

" 1584.5	"	"	"	" and enter brush
" 1926.7	"	"	"	"
" 2639.8	"	"	"	"
" 2670.0	"	"	"	enter large open swamp
" 3322.0	"	"	"	tack in cane stump
" 4476.7	"	"	"	Set Hub
" 5300.0	"	"	"	"
" 6657.0	"	"	"	"

Continued on next page

April-28-1916 Continued.

at Hub 6657 ft E $\frac{1}{4}$ cor on S side of
sec 34-137-32 marked by an I.M.
sets N 14 ft. connecting back

U.S. chain from N.W. cor Sec 4 E to $\frac{1}{4}$ cor
S side sec 34-137-32. = 6607.96 ft

my chain = 6657 ft

1 foot my chain = 1.00742 ft U.S. chain

14 ft \div by 6657 = .002103 Sine of $0^{\circ}07'$

N.W. cor to Sec. 3-136-32 at Sta 5333.85
ft E sets N of random line 11.22 ft

no trees near so I set 2 wit posts

one S.E. 50 ft and one S.W. 50 ft
from cor

$\frac{1}{4}$ cor at N side of sec 4 at sta. 2666.93

sets N of random line 57.6 ft

as there are no trees or land marks
near I mound post with stone
and quit for night

E.B. Horst.

Note. the above Twp line is not
correct. Correction will be
found on page of this book
surveyed in June 1916

E.B. Horst.

Saturday, April, 29-1916.

Horst, Compass and chain

John Dague, Chain: James

Johnson ax.

John Dague's team.

We go to $\frac{1}{2}$ cor on W side of Sec 18
136-32 and find an old stake which
a Mr. Smith says was set from
U.S. Bearing trees I find one B.T.
plainly marked, rolled up to a fence.
I mark New B.T. W. Pine 14554E 21.1 ft
nothing else near

We chain N to find N.W. cor of sec 18
at 2636.5 ft N I find a wood post and
the point of 2 old wood posts burned off
at waters edge, in small swamp a fence
32.4 ft E runs S and one runs E
There are no trees near but I find 2
stumps that check with U.S. Notes
also the old settlers have recognized this
as the cor for 20 years so I mark
New Bearings

Fence Post E 32.4 ft

W. Pine. 14 N $81^{\circ}30'$ W 304.0 ft

W. Pine 12 S $61^{\circ}30'$ W 170.6 ft

No other land marks near

over

E. B. Horst

Saturday, April, 29-1916.

we go to a stake set for S.E. cor^{off} section 18, and chain N thru Jam swamp at 2657 ft. N I find a stake and points of 2 that were burned off. Notes Call for Jamck. 5 N 70 W 203. I find this stump and Cor. Checks for course and distance it appears to be the only Jamck around we chain N to find N.E. cor^{off} Sec 18 and find old U.S. B.T.s also old oak stake we drive New Post New B.T.s are
Oak 10 N 24° E 84 ft Oak 6 N 45° W 77.5 ft.
Oak 6 S 70° E 45.2 ft. Balsam 10 S 71° W 46.9 ft.

Sunday April 30-1916.

I stay at John Dague's place all day

Monday May 1st-1916.

I give my bill to Twp Board which is allowed
John Dague takes me and outfit to Backus where I take 4 o'clock train to Walker. fare. 49 cts
E. B. Horst

This survey finished in June 1916 Notes begin on page 60 This book
E. B. Horst.

137-32

Record 386²⁷

Thursday June 8 - 1914.

I begin working for ansel Twp 137-32

I get notes and plates and instruments

and leave Walker on 9-28 train for

Backus R.R. fare 49 cts to establish

Section Corn and 4 See Corners for

Judicial ditch 3 and 4

Hortons livery Car takes me to

J.R. Farnum in N.E. cor sec 27-137-32

along S.R.H. where I board for several

days. I get dinner at Farnum

P.M. I take Gurley transit and

300 foot steel tape and go to 4 cor

between Sec's 22 & 27 I set transit

over I.M. set by Curo and locate a

land mark to the N we take chain

and chain roughly thru brush $\frac{1}{2}$ mile

and look for Bts to cor of 21-22-27-28

where U.S. Notes call for

Tamek 9 N 67 E 64.

" " 8 N 69 W 75.

" " 6 S 62 W 62.

" " 7 S 25 E 46.

but find none we return to transit

and quit for night Walter Farnum

existing as chairman

E.B. Horst.

Friday June 9th - 1916

Horst, Transit, Lew Frannum and
Burt Bratton, Chain

Walter Frannum flag, Nels Jensen
and T.B. Chick axemen

we begin at 4 M. bet 22+27

and run line W at 9° Var to locate
Cor to Secs 21-22-27-28

at 1079.6 ft W set Hub

" 2100.0 " " enter Jarnek swamp

" 2640.0 " " " " and look

for B.t.s again we find pit of an
old stake in swamp I set transit
over this stake and turn bearings
and chain distance required by U.S. Notes
we find Jarnek 7 S 25 E 46 laying
face down in the water plainly
marked and all the other stumps.

but marks are burned off. I set cor
from the one B.t. being a 4'x48'
tam post and take following B.t.s
I set 4-6 in tam posts 6 ft long in
the swamp 4 ft deep and mark them
wit post each being 46.67 ft from
cor and N.E. - N.W. - S.W. - S.E.
all at 9° Var. quit for dinner
E.B. Horst.

June 9, 1916. Continued P.M.²⁹

Walter Farnum stays at home and I take balance of crew and outfit and walk to vicinity of cor to Secs 15-16-21-22 where Jensen and Burton saw the B.T.s several years ago we look for them, but they cant find the place any more, so we go to $\frac{1}{4}$ cor between 15 & 16 and run a compass line S and chain roughly to find cor. U.S. Notes call for W. Pine 16 N 53 E 71. W. Pine 16 N 9 W 54. W. Pine 18 S 20 W 11. W. Pine 16 S 72 $\frac{1}{2}$ E 27

We find all four stumps badly burned but marks are still plain. and check for course and distance. I set cor from B.T.s and mark the old B.T.s again as there are no trees near.

7.00 and we quit for night

E.B. Horst.

Saturday, June, 10th, 1916.
 Mont. Transit, L.R. Farnum and
 Burt Burton, Chain, Nels
 Jensen, and Oscar Jorgenson ap

We take outfit and go to cor of
 Secs 2-3-10-11 where we find there
 are no B.T.s left and no new ones
 after digging up 25 ft of the
 S.R.H. we find I.M. from which
 a White Pine 14 (used as a B.M.)
 bears $N 39^{\circ} 26' E$ 117.8 ft to tack
 used for B.M.

I also set a blue stone nearly 4 in
 sq and about 20 in long (natural shape)
 $S 45^{\circ} E$ 46.67 ft.

From this cor we run line $E. 9^{\circ} W$
 to locate $\frac{1}{4}$ cor between 2 & 11
 at 687.5 ft E set Hub.

" 800.0 " " cut swamp
 " 2933.0 " " set Hub. in swp.
 " 3110.3 " " " "
 " 3350.0 " " cut swamp
 " 3624.0 " " leave " "
 " 4240.4 " " set Hub.
 " 5281.2 " " " "

and quit for night.

E.B. Hunt

137-32.

31

Saturday June 10th. 1916.

*→ at 2640.0 ft E between sections
2711 we cross cut out line running
S. cut out for preliminary
ditch survey

We look for U.S. B. tr.

Balsam 9 N $18\frac{3}{4}$ W 18.

Balsam 6 S $40\frac{1}{2}$ E 11.

we find several Balsam stumps
but none that check with notes

Sunday June 11-1916.

Warm and windy

No work at S.R. Barnum's
all day.

E.B. Horst.

Monday June 12, 1916.

Horst. Transit. Burstein + Farnum
chain. Kels Johnson and Ole

Odegard applier, Oscar Torgerson leg

We return to Hub 5281.2 ft E
between 2 and 11 and look
for B.T.s to cor of Secs 1-2-11-12

J. Pine 9 N 57 E .26

Popple. 10 N 30 W .28

Popple. 11 S 28 $\frac{1}{2}$ W .16

Popple. 16 S 45 E .01

nothing left of popple but stumps
and we cant find any J. Pine.

so we continue line E bet 1 and 12
at 6004.3 ft E Hub-

" 7168.8 " " "

" 7920.0 " " "

We look for B.T.s to $\frac{1}{4}$ between
Secs 1 and 12 where Notes call
for N.P. 20 S 41 E .7.

White Birch. 5 N 20 W 19.

we find a part of an old stake and
the Norway B.T. from which I set
4" x 4' ~~sq~~ post for cor
over

Monday June 12 - 1916

I set transit over Hub 7920 E
backsight W on random line and turn
 $86^{\circ}30'$ S to $\frac{1}{2}$ cor distance = 91.6 ft
at Sta 7914.4 ft E $\frac{1}{2}$ cor sets S 91.4 ft
We return W on random line to set
corners by measurement at cor to 12-11-12
we look again for B.T.s and find
the 1 Pine face down in water we
set up the snag & locate pt for cor
and find the 3 Popple stumps we
set post and take New Bearings

Burn Oak 11 S 40° W 45.1 ft

Elm 10 N 61° W 54.7 "

Popple 5 N $26^{\circ}30'$ E 82.2 "

" 9 S 38° E 77.3 ft

I set Transit over Hub 5281.2 ft E
sight W on random and turn S $103^{\circ}35'$
on See Cor

Cor sets S $13^{\circ}55'$ E 110.2 ft from 5281.2

at Sta 5307.7 ft E cor sets S 106.96 ft

we go W $\frac{1}{2}$ mile and set $\frac{1}{4}$ between 24 11

at Sta 2653.85 ft W and 53.48 ft S

of random line New B.T.s as follows

Pop 5 N 50° E. 61.6 ft

Pop 5 S $40^{\circ}20'$ E 46.4 ft. (Over)

E. B. Horst

Monday June 12-1914.

{ New Bearings to $\frac{1}{4}$ cor between
 Secs 1 and 12 are (J. pins. cor)
 Jack Pin. 6 N 50° W 56.7 (See 1)
 " 6 S $39^{\circ}10'$ W 41.1 (See 12)

From $\frac{1}{4}$ cor between sections
 2 and 11 just set we chain S
 on cut line thru Sec 11 to sta
 5280 and look for $\frac{1}{4}$ cor S side
 of sec 11 where Notis call for
 D. Tamek 8 S 29° W 30.
 D Tamek 7 N 3° W 27.

we look about one hr and find
 that all timber is burned up
 from burning meadows
 we quit for night.

E. B. Horst.

Tuesday June 13-1916.

Horst transit Farrum and Burton chain. Torgerson flag. Nelsonson and Ole Odegard apennish

We set a Hub near $\frac{1}{2}$ cor on S side of sec 11 and cut line E. Var 9° and chain roughly to keep track of distance at $\frac{1}{2}$ mi E we look for B.T. to cor of secs 11-12-13-14

where U.S. Notes call for

Maple 6 N 67 E 17. Birch 8 N 55 $\frac{1}{2}$ W 21.

Popple 14 S 83 E 24. Popple 16 S 82 $\frac{1}{2}$ W 34.

we look several hours and look at every tree and stump within 300 feet of where cor should be but find nothing. Continue line E and begin to chain carefully at 100 ft E set Hub

at 300 ft E enter swamp

" 640 " " leave " "

" 1352.4 " " set Hub

" 2648.6 " " " and look for

B.T. to $\frac{1}{4}$ cor between secs 12 and 13

Where U.S. Notes call for

N Pine 11 N 73 W 54. J Pine 5 S 18 $\frac{1}{2}$ E 35.

over

E. B. Horst.

Tuesday June 13 - 1916 - Continued
 Horst, Transit Barnum and Burton
 Chain. Torgerson flag. Nels Jensen
 and Ole Odegard, specimen
 we look several hrs for BT to $\frac{1}{2}$
 cor but find nothing but an 8 in
 Jack Pine squared up for a corner
 we continue line E

at 3030.6 ft E set Hub

" 3885.4 " " " " on hill
 quit for night

EB Horst.

Wednesday June 14-1916.

Horst and same crew, except Oscar
Torgerson who can't help anymore
we continue line E between sections

12 and 13 To Turp line

at 4791.2 ft E set Hub and go E to
swamp and look for S.E. cor of sec 12
137-32 on Turp line where Notes call for
Popple 10 N 60 E 83.

" " 8 N 50 W 121.

W. Pine 12 S 80 W 178.

Popple 5 S 80 E 53.

I find the stump of a Popple with a blaze
facing the pt where cor is shown on map
I return to get Transit, coming back
with transit across swamp I step
on top of stake I pull stake out of water
and find it to be Old U.S. corner
I set transit over the stake and find
all the stumps call for in Notes
we drive New post from which

Popple 10 N 75°30' E 67.1 ft (Sec 7)

Burn Oak 5 N 65°15' W 121.4 ft (Sec 12)

Red " 10 S 69°30' W 265 ft (Sec 13)

" " 10 S 80°10' E 120.6 ft (Sec 18)

Over

E.B. Horst.

Wednesday June 14, 1916 Continued

We return to Hub 4791.2 on random line where I set up and backsight on random line I reverse Telescope and turn angle N to See cor Cor sets N $77^{\circ}42'$ E 322 ft at Sta 5105.8 ft E Cor sets N 68.6 ft we return W to a Hub 5354.4 ft W of above cor and on same E+W line set transit up and turn 90° N.E. angle and run random line N between secs 11 & 12

at 697.3 ft N set Hub

" 1090.2 " " " "

" 1150. " " " cut swamp

" 1910.8 " " set Hub

" 1800.0 " " br swamp

" 2608.8 " " set Hub out tamswp
we quit for night

C.B. Horst.

Thursday, June 15-1916.

A.M. rains $\frac{1}{2}$ day

P.M. Horst, Saw Frainum, Walter Frainum and Ole Odegard go to Hub 2608.8 set yesterday and cut line N between sees 11+12 to cor of 1-2-11-12 at last Hub on random line cor sets N $58^{\circ}32'E$

from sta 2700 N on above line was chained Friday June 16 as follows
at 4000 ft N leave Gamek swamp

" 4027.5 ft N Hub

" 4181.8 " "

" 5269.5 " " " cor to sees

1-2-11-12 sets N $58^{\circ}32'E$ 180.4 ft

at sta 5343.7 ft N cor sets E 153.9 ft

E.B. Horst

Friday June 16 - 1916.

Horst. Transit. Farnum + Burtson
Chain. Walter Farnum flag.

Kela Jensen and Ole Odgaard are

We go to Hub near cor. of 11-12-13-14

and start line S from Hub 535-4.4

ft. W of Imp line in a straight
line with the one running N

Farnum & Burtson finish chaining
the line running N and return and
follow us chain as follows

at 100. ft S small pond

" 790 " " leave "

" 400 " " ent. slen-

" 750 " " leave "

" 1242.7 " " set Hub,

" 1874.3 " " " "

" 2301.8 " " " "

" 2640.0 " " we look for U.S.

B.T.s Jam 6 S $47\frac{1}{2}$ E 35.

" 8 S $20\frac{1}{2}$ W 52.

all turned up

we continue line S

over

E.B. Horst.

137-32.

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Friday June 16-1916 Continued

at 3369.8 ft S set 1st ant surf
" 3467.0 " " cross small creek N.E.
S.W.

at 4015.0 ft S leave swamp
" 4732.9 " " set Hub.
" 5280.0 " " " and
look for B. to cor of 13-14-23-24
all gone we continue S

at 5400.0 enter Jamch swamp

" 6270.0 leave " "

" 6358.0 ft S set Hub.

" 7548.5 " " " "

Quit for night

E. B. Horst.

Saturday June 17 - 1916

Forst. Transit. and same crew

Continue S between 23 + 24

at 7920.0 ft S set Hub and look

for B.T. to $\frac{1}{4}$ cor between 23 and 24

all gone we continue S.

at 9347.5 ft S set Hub.

" 10481.6 " " " " here I turn

NE angle 90° and cut line E, once out

by J.W. Euro. at 206.6 ft E 1.M. to

Cor of 23-24-25-26 sets N. 17.6 ft

10464.0 ft S. 1.M. sets E 206.6 ft

our chain for W side of sec

12-13 and 24 = 15827.7 ft

U.S. Chain = 15846.0 ft

as all are equal each sec = 5275.57

ft long

We return to pt of beginning at

5354.4 W Hub on E + W random and

chain random line W to 1.M. at cor

to 9-10-15-16

over

EB Forst

June 7. 1916 Continued.

Chaining W on S side of Secs 11 and 10
beginning at a Hub 5354.4 ft W of
S.E. cor of sec 12 on trap line
at 5538.0 ft W Hub.

" 5969.8 " " "

" 6768.6 " " "

" 7700.0 " " "

" 7720.0 " " enter a $\frac{1}{2}$ mile open
swamp.

" 10500.0 leave swamp

" 10548.0 ft W we set Hub in center
of S.R. Highway. cent located from
a small concrete bridge 15.3 ft N of Δ
I set transit over this Hub and continue
W, at 10950 ft W ent tangle swamp

" 13050 " " look for Bts to
 $\frac{1}{4}$ cor between 10 and 15. Notes call for
Tamek 12 N 52 E 22. Tamek 10 S 13 $\frac{1}{2}$ E 61

All gone continue W

at 13450. leave swamp, ent field

" 15011.3 ft W set Hub in field

" 15653.0 " " set " in N+S road

I.M. at cor to 9-10-15-16 sets S 70.8 ft

Quit for night

C.B. Horst.

Sunday June 18-1916

windy and warm

I stay at L.R. Gramms
all day. no work.

E.B. Horst.

Monday, June 19 - 1916.

The Town board holds election
at Arthur Farnum's old house
and cannot help on survey
so I take Walter Farnum to
help as Chairman.

We begin at $\frac{1}{2}$ Cor 1 M. bet secs 14 and 15
and Chain N on S.R. Highway
at 2604.5 ft N intersect E + W random
line at sta 10548.0 ft W
at 5200. I set Hub in center of road
" 7905 ft N 1 M to cor of 2-3-10-11
we go to dinner, at J.R. Farnum's.

P.M. I run transit line N on S.R. H
and set pins on line from which
to set corners

Cor to sections 10-11-14-15 sets N of P.I.
of E + W random line 30.5 ft and E of P.I.
on N + S random line 93.1 ft, being 93.1
ft E of center of S.R. Highway. we set 4x4x
4' wood Post for cor, with bearings as follows
Wit Post N 45° E 46.67 ft
" Stone N 45° W 46.67 ft.

+ mark on E end of bridge bears S 83° 15' W 81.9 ft
Wit Post S 45° E 46.67 ft. (all at 9° Var)
Quit for night E. B. Horst.

Tuesday, June, 20, 1916.

Horst. transit. Low Farmum and
Bert Brantson chain, Nels Jensen
flag and cap.

we go to cor of sections 11-12-13-14
and set wood post (Oak) for cor at
sta 5181.70 ft W of S.E. cor to sec 12
and 5275.57 ft S of N.W. cor to sec 12
from Hubs on random lines

and take New Bearings as follows
Popple. 10 N 29°30' E 93.8 ft.

Oak. 10 N 61°30' W 79.3 "

Popple. 5 S 32°45' W 44.7 "

Popple. 10 S 51°25' E 51.2 ft.

~~we~~ We walk W. on random line $\frac{1}{2}$ mile
and set 4x4 post for $\frac{1}{4}$ cor between
sections 11+14 at sta 7818.3 W and
58.82 ft N of random line to which we
set Wit Posts. one N 45° E 46.67 ft
and one S 45° E 46.67 ft

we go W to cor of 10-11-14-15. and eat
dinner

Continued on next page

C.B. Horst.

Tuesday June 20-1916. Continued
J. W. Curo stops to see how we
are getting along and checks some of
my calculations on work, and leaves
again

I take crew and set $\frac{1}{4}$ cor between sections
10 and 11 at sta 5270 N of $\frac{1}{4}$ bet. 14 & 15
and 46.55 ft E of N + S random in cent of S.R.H.
from which

Popples $5^{\circ} N 26^{\circ} 35' E$ 101.6 ft.

W Oak $10^{\circ} S 27^{\circ} 30' E$ 46.8 ft.

I walk $N \frac{1}{2}$ mile with transit and read
angle of S.R.H. at cor to secs 2-3-10-11

N of cor runs N at $9^{\circ} 45'$ Variation road
S of cor deflects W $1^{\circ} 32'$

I take transit S to E + W random line
between secs 10 and 15 and set over P.I.
Hub in center of S.R. Highway I send crew
W on line to set Hub in swamp at sta
13053.95 ft W I take transit to this Hub
right E to P.I. Hub and turn $90^{\circ} S$ we
chain S 20.15 ft to true Sec line and
set $\frac{1}{4}$ cor ^{to 10 & 15} being 4x4 Jamck from which
W it Post bears $N. 45^{\circ} W$ 46.67 ft
" " " " S. $45^{\circ} W$ 46.67 ft

I stay at N.P. Jensen overnight E.P. Horst.

Wednesday June 21-1916

Forest, transit. Burton and Farmington
chain Nels Jensen and F.S. Willock agree
we begin at 1 M. at S.E. Corner sec 20
and run line S at 90 Var. to establish cor
at S.E. of sec 29

at 28 ft 3 enter swamp

at 2969.6 ft S set Hub leave swamp
we look for B.T.s to $\frac{1}{4}$ cor where U.S. Notes
call for Tameck 9 N 27 E-10.

Tameck 8 N 19 W-14.

timber is rotten and burned we find no
B.T.s and continue S

at 3505.1 ft S set hub

" 4097.0 " " " "

" 4528.0 " " tack in popple stump

" 5400.6 " " set Hub enter swamp

at 5280 we look for U.S. B.T.s

Popple 13 N 60 E 23.

" " 12 N 12 W 32.

" " 8 S 33 W 73.

" " 14 S 32 E 26.

I have witnessed that this country was
burned bare at pt cor is called for 18 yrs
ago we find no evidence of cor continue S

at 7920.0 ft S set Hub and look for
B.T.s to $\frac{1}{4}$ cor U.S. Notes call for
continued on page 50 C.B. Horst.

Time Sheet 137-32.

Locating corners in Ansel Twp for Judicial ditches Nos 344

June - 1916.	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
E. B. Horst.	1	1	1	0	1	1	1	$\frac{1}{2}$	1	1	0	1	1	1	$\frac{1}{2}$	1	1	1	1	1				16 days
I. R. Farnum.	1	1	0	1	1	1	1	$\frac{1}{2}$	1	1	0	1	1	$\frac{1}{2}$	1	1								12 "
Burt Burtson.	1	1	0	1	1	1	1	1	1	0	1	1	1	$\frac{1}{2}$	1	1								11 $\frac{1}{2}$ "
Nels Jensen.	1	1	0	1	1	1	1	1	1	0	1	1	1	$\frac{1}{2}$	1	1	1	1						12 $\frac{1}{2}$ "
T. B. Chick.	1	0									0													1 "
Oscar Torgerson.	1	0	1	1							0													3 "
Ole Odgaard.	0	1	1	1	$\frac{1}{2}$	1	1	0																5 $\frac{1}{2}$ "
Wm. Bimberg.	0										0				$\frac{1}{2}$	1	1	1						3 $\frac{1}{2}$ "
Fred S. Hillock.	0										0													1 "
Walter Farnum.	$\frac{1}{2}$	$\frac{1}{2}$	0					$\frac{1}{2}$	1	1	0	1												4 $\frac{1}{2}$ "

I hereby certify this time sheet to be correct

E. B. Horst.

Wednesday June 21-1916

D. Jamsek 6 S 50 W 6.

D. Jamsek 7 S 57 E 19.

Btr gone. we continue S

at 9200.0 ft S leave swamp

" 9462.4 " " set Hub

" 10491.2 " " " " on E & W random

Trap line run for Poplar Trap

at station 2808.1 ft E of $\frac{1}{4}$ cor on S side

of sec 32.

quit for night Cal. Horst.

Thursday, June 22, 1916.

Horst, transit. Burton and Frannum chain
Kels Jensen and Wm Birnberg App

I take old post set for cor to sec 29-30-31-32

by Bartlett and I identified by Rust Burton
and L.B. Young and drive new wood
post in same point set tack at this point

I start line E at 9° Var

at 25 ft E enter swamp

" 1446.7 ft E set Hub on pt of highland

" 1500.0 " " leave highland

" 2962.4 " " set Hub leave swamp

" 11-30 A.M. rain rain all afternoon

no work in P.M. E.B. Horst.

Record No 382

Friday June 23-1916.

Horst. transit. same crew
beginning at Hub 2962.4 ft E Continue
random line E begun yesterday
at 3690.2 ft E set Hub.

" 4074.5 " " " "

" 4140.0 " " enter swamp

" 5175.0 " " leave swamp

" 5290.2 " " P.I. Hub on N+S
random sec line at 5178.2 ft S

" 6052.5 ft E set Hub

" 6656.6 " " " "

" 7112.0 " " " "

" 7200.0 " " enter swamp

" 9115.8 " " " " leave swamp

" 10285.9 " " " "

" 10560.0 " " " " I.M. to cor of
secs 27-28-33-34 sets S $6^{\circ}08'W$
135.9 ft. at sta 10545.3 ft E cor
sets S 135.2

at I.M. to cor of 27-28-33-34 I start
random line S at $8^{\circ}30'$ Variation
at 612.4 ft S set Hub

" 2640.0 " " " " B.T.s all gone

" 2968.7 " " " " and quit

for night, raining steady.

EB Horst-

Saturday June 24, 1916. Continued.

Horst, transit, and same crew.

we continue line S between 33 and 34
at 3365.8 ft S set Hub

" 3778.8 " " " "

" 3875.0 " " "

enter Twp surf

" 5224.0 " " set P.I. Hub on E

and W random Twp line at station
4086.3 ft E of Closing corner at N.W.
Cor sec 4, 136-32.

we go W on Township line to P.I. of line
run S between 32 and 33 & calculate
point for cor from the random lines
as per diagram on Next page

I set S.E. Cor of sec 32 at station
2657.875 E of $\frac{1}{4}$ Cor on S side of sec 32
and 18.2 ft N of random line on a
straight line between $\frac{1}{4}$ on S side of
sec 32 and $\frac{1}{4}$ cor on S side of sec
34 both in 137-32.

we drive 4x4 wood post for cor
and as there are no permanent
objects for bearings we pile a
large stone pile around corner
and quit for night

O.B. Horst.

Sunday, June 25, 1916.

We have a heavy shower of rain in the morning. after the rain we take lunch and go to finish setting corners.

Horst, transit, and Nels Jensen and Wm. Bimberg assisting we walk to S.E. Cor of sec 33 and set a $4 \times 4 \times 16'$ timber Post for cor 81.2 ft W of P.I. of random and 1.1 ft S of E & W random strip line to which we set 2 Wit Posts

one N. 45° E 46.67 ft.

Wit Post N 45° W 46.67 ft.

We walk N $\frac{1}{2}$ mile to $\frac{1}{4}$ between 33 and 34 and set Post for $\frac{1}{4}$ cor at sta 2612.55 ft S equidistant to sec corners and 40.6 ft W of random line we mark cor with a stone mound.

We go to point for corner to sections 28-29-32-33. and set post for corner from P.I. Hub. 42.8 ft W and 57.8 ft S to which we take following bearings

over C.B. Horst.

Sunday June 25, 1916. *Continued*Spruce 10 N $57^{\circ}42'E$ 43.3 ft." " 10 N 62° W 68.0 ftPopple 10 S $60^{\circ}30' W$ 24.0 ftSpruce 9 S $55^{\circ} E$ 54.0 ft

This concludes survey for
Ansel Twp except setting
Iron Monuments

EB Horst

Monday, June 26-1916.

I meet with the Ansel Truf
board and put in my bill for
work done between dates as per
time sheet in this book

Bill amounted to \$75.49—
E.B. Horst.

Tuesday June 27. 1916

I call Will E. Goodall by telephone to see if Poplar Turp board have received their I.M.s they tell me they will be there tonight

4 P.M. Hollie Goodall comes after me with Groed and takes me to W.E. Goodall's place where I board while setting I.M. for Poplar Turp
(136-32)

E.B. Horst.

136-32

37

Wednesday June 28/1916

Rains all day

no work.

E. B. Horst.

Thursday June 29, 1916

Horst. transit James Johnson
and John Deque and Team
set Iron monuments

$2\frac{1}{2}$ in x 4 ft

at corners established by me
in April. notes of survey in this
book from pages 14 to 26.

we begin by setting I.M. at cor to
sees 3-4-9-10

at $\frac{1}{4}$ cor between sees 3 and 4 set I.M.

at $\frac{1}{4}$ " " " 4 and 9 set I.M.

at cor to sees 4-5-8-9 set I.M.

at $\frac{1}{4}$ cor to sees 5 and 8 set I.M.

at $\frac{1}{4}$ cor bet sees 4 and 5 set I.M.

at N.W. cor of sec 4 closing corner
sets 23.9 ft N of true Twp line
we set an I.M. at closing cor

also an I.M. 23.9 ft S at true N.W.
corner of Sec 4-136-32

correction for Twp line E from
above cor to $\frac{1}{4}$ cor on S side of
sec 34. 137-32. = .0054933

we go E on random Twp line
and set $\frac{1}{4}$ cor I.M. at over

E.B. Horst.

136-32

Continued!

Thursday June 29-1916

Station 2666.93 ft E and 8.7 ft S
of random line to which we set
Wit Post S 45° E 46.67 ft
" " S 45° N. 46.67 ft

We go E to N.E. corner see 4 where
we set an I.M. for see cor We set
Wit. Post. S 45° E 46.67 ft
" " S 45° N 46.67

This cor sets at sta 5333.85 ft E and
6.5 ft N of random line
we quit for night

E.B. Horst.

Friday June 30-1916.

Horst. transit. James Johnson
and John Dague with team.

We set iron monuments at following
corners in Twp 136-32

$\frac{1}{4}$ cor on W side of sec 18

N.W. cor of sec 18

N.E. cor of sec 18

$\frac{1}{4}$ cor between secs 17 and 18

to which we set

Wit post N 45° E 46.67 ft.

" " N 45° W 46.67 ft.

at N.W. cor sec 7 on Twp line also
(County line between Madama and
Case Counties) we set an iron
monument

at $\frac{1}{4}$ cor between sections 6 & 7
set I.M.

at cor to sections 5-6-7-8 we
set I.M.

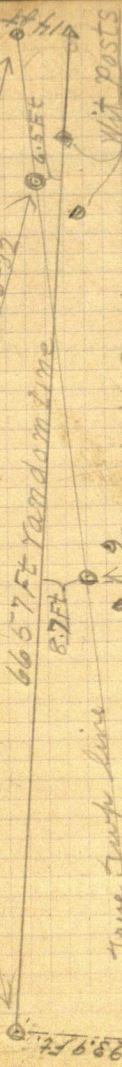
John Dague with team takes
me and outfit to Chas Hauke's
place where I set iron monuments
for Byron Twp (135-32)

E. B. Horst.

Diagram of Twp Line Between 136 and 137-32.

136-32 4 and 5

W. 1/4 Cor 9 137-32
N.E. Cor Sec 4 136-32



True Jump Line
Tree N.W. Cor Sec 4 136-32
and Whit posts

Whit posts

This Random Line comes from 1/4 Cor Saide Sec 32. 137-32.
Distance = 3950.5 Ft

Not drawn to Scale

64 March 27-1918, Wed.
Survey Record No. 398, C.
CB Horst in car leaves
with survey outfit for
Poplar Twp. (136-32)
to locate obliterated
section and $\frac{1}{4}$ section
corners for Judicial
Ditch No. 7.
Boarding at Wm. E. Goodalls
in section 15.
arrive at Goodalls at 2 P.M.
and cruise for corners to
get a starting point
from which to locate the
corner to sections 15-16-21-22
which was only a post and
no bearings, in original survey.
I find that Whitely an
old surveyor began at the
corner to sections 18 & 19 on
Rge line between Rge 32-33
and run a line East $\frac{1}{4}$
miles to corner of sections
14-15-22-23 which was the
first corner he was able

to relocate, he then corrected a straight line as near as possible with a compass survey and left same for Road center line.

The settler accepted some of his road center stakes as corners which are considerably out of position.

Return to Goodville
for night.

Oct 3 Harst

March 28-1918

E.B. Horst with Carl Lague
as chairman and Hollis
Goodale as againer.

begin at corner to 14-15
-22-23 in center of S. R. H. No.

82 (Referenced in) (N.E. 389
S.E. 50) and chain W.

between sections 15-22
on graded road

at 2640.0 set stake 11.5 ft W. of

" 5257.0 Bridge

" 5263.0 stake in line with line

" 7981.2 stake in center of
road used as $\frac{1}{4}$ cor. (no goods)

" 10703.0 stake set by some
one for a sec. cor. also a
fake. continue W.

at 13200 look for $\frac{1}{4}$ cor
and B.T.'s which are all gone

at 17000.0 W. mark on Bridge

at 20881.6 corner to sec
18 + 19 on county line bet.

Rge 32 + 33 marked by a
wood post. I set a Wit.

Post N. $45^{\circ}00'$ E 46.7 ft. Oak.
and S $45^{\circ}00'$ E 46.7 ft.

U.S. chain = 20747.1 ft

$$20881.6 \div 20747.1 = 1.00648 \text{ Correction}$$

	18	17	N	16	15	
WO	4942.3	5310.9		5314.2	5314.2	OE
	19	20		21	22	

at sta 5314.2 W. I set a hub
in center of E + W. road and
turn N.E. angle of $89^{\circ}48'$
from general line of road
to 74 corner between sections
15 + 16. I chain N. on this
line at 2632.8 74 cor. estab-
lished by W.H. Poore from
U.S. B.T.S. being a wood
post with Jack Pine 7-N $74^{\circ}45'$ W
62. ft.) (N. Pine 6-N $88^{\circ}15'$ E 57. gone)
E.B. Pratt.

Friday March 29, 1918.

E.B. Horst & same crew
Begin at a point on E +
W. Road 5314.2 ft W. of
S.E. Cor of sec. 15. sight
N $\frac{1}{2}$ mile to $\frac{1}{4}$ cor. and
Turn Right $179^{\circ}28'$ and run
S. Between sections 21 + 22
at 1184.0 set Hub

" 2640.0 " "

" 3980.0 " "

" 4221.6 " "

" 5242.0 " " We look

for corner to 21-22-27-28
and find the stump of the
S.E. + N.E. U.S.B.T.s from which
I set post for cor. and

find point of an old stake.

I mark following bearings

N. Pine stump. 6 N $58^{\circ}30'$ E 47.4 ft

N. " " 10 N $27^{\circ}00'$ W 77.3

N. " tree 10 S $35^{\circ}05'$ W 122.8

N. " stump. 8 S $38^{\circ}42'$ E 36.1

I set transit over Δ 5242.0

true section corner sets S

$71^{\circ}16'$ W 98.8 ft.

at sta. 5273.8 ft. S. corner
sets W. 93.5 ft.

I return to Walker for Comm-
-issioners meeting. (Tue.)
Oct 12 Forest.

A \nearrow \nearrow
 $59^{\circ}40'$

5314.2

21

5242.0
5273.8

22

108° 44'
Sea. Cor. 0 98.8
95.3

Wed. April. 10-1918.

E.B. Priest with 10 M.M.S.
and survey outfit in Ford
returns to Poplar to
complete establishing corner
for Judicial Ditch No. 7.
Dinner at Backus 5 o'clock.
arrive at Wm Goodalls 1-15 PM.
Get John Dague + Warren
Seeley to assist on survey
We begin at cor. of 21-22-
27-28. Sightsight on Hub
5242.0 S turn **Right** $18^{\circ}44'$
Reverse telescope + run W.
between sections 21-28
at 400.0 enter swamp.
" 1150.0 leave "
" 1677.5 set Hub.
" 2640.0 " stake No. B.T.S.
" 2790.4 set Hub.
" 3960.0 " stake
" 5298.3 set Hub. a float sets
N $6^{\circ}30'$ W. 20.6 ft. I set
transit over this post and
find stump of the old

April 11-1918

2587
2640
5227

2690
2600
5298.3
6298.3

71

U.S.B.T.s Tam. 12 N 24° W 102 lks

Tam. 55 76½° E 129 lks

which check with post for
course and distance given in Notes
I pull up old post and set
in its place a 2" x 48" I.M.
with following bearings:-
Popple 5 N 40° W. 139.5 ft
Tam Post S.E. 46.7 ft

at sta. 5300.6 ft. W. true cor.
of 20-~~28~~ 29 sets N. 20.4 ft.
With transit over sec. cor.
I backsight to Hub 5298.3 and
turn S.W. angle of 98° 02' and
run W. between secs 20-29
at 2241.0 set Hub

" 2649.5 point on stump
" 2693.0 center of Farnum Creek
" 2790.0 " " "
" 2815.0 set Hub.
" 3603.2 " "

Warren Seely, Lawrence Dagne,
& Milford Dagne assisted today.
April 11-1916. E. B. Horst

April-12-1918.

E.B. Horst & same crew
Continue W. between sec
20-29

at 4302.2 W. set Hub

" 4350.0 enter Tarr swamp

" 4969.4 set Hub.

" 5275.2 " " corner
to sections 19-20-29-30
sets S. $5^{\circ}30'W$ 46.6 ft

at 5279.7 corner sets S. 46.4 ft

U.S. Notes call for

Tarr 6 N $41^{\circ}30'E$ 15 lks standing ^{green}

" 8 N $55^{\circ}30'W$ 17 " stump

Spruce 8 S $77^{\circ}00'W$ 27 " down

Spruce 5 S $10^{\circ}00'E$ 3 " down.

New bearings

Balsam 4 N $39^{\circ}30'W$ 40.7 ft

Balsam 8 S $38^{\circ}15'W$ 71.3

We set a 2"X48" I.M. and
return to $\frac{1}{4}$ cor between
sections 20 & 29 where
we set a 2"X48" I.M. at sta

2639.35 W and 23.2 ft. S of random
line for true $\frac{1}{4}$ cor with

following bearings.

W. Oak 5 S.W. 63.8 ft.

J. Pine 10 S 20° E 69.0 ft.

at sta 2650.3 W. between ^{2nd} sections 21 + 28 we chain N. 10.2 ft and set a 2" X 48" I.M. for true $\frac{1}{4}$ corner with following bearings.

Popple 6 N 60° W 54.5 ft.

Popple 8 S 45° W 41.2 ft.

at sta 2635.53 S of sec. cor on random line we chain W. 46.95 ft and set a 2" X 48" I.M. for the true $\frac{1}{4}$ cor. between sections 21 + 22 with following B.T.s
Tameck 5 N.W. 60.2 ft.

Tameck 4 S.W. 87.4 ft.

at 2635.53 ft S of $\frac{1}{4}$ cor between sections 15 + 16 and 5914.2 ft ³⁰ W. of S.E. Cor. of sec. 15 set a 2" X 48" I.M. for true section corner of 15-16-21-22

With post S.W. 83. ft

Popple N.W. 105.1 ft.

at 74 corner between
sections 15 + 16 established
by W. H. Poore from old
Whit. trees with New
bearings as given on page
of this book we set
a 2" x 48" I.M.

at section corner of 14-15-22-
23 established by Hallett
from old Whit. trees

I set a 2" x 48" I.M. in center
of S.R.H. No. 81 and center of
a County road running
N. Post bears N.E. 38.9 ft
Hub S.E. 50 ft.

I return to Walker.

This completes the establishment
of corners for Judicial District
No. 7. in Poplar Twp.

76

Poplar Twp.
July 7-1926 -

J. L. Sowers

S. M. Mitchell

L. S. Johnson

Larue Johnson

John Hrobosky

John M. Greene.

2575

21.8

2596.9

2575

21.8

2596.9

46.3

2.3

Chained west from Cor. 15-16-21 - 2

Ran South - S. E. \angle $90^{\circ}32'$ Dis 5295'
July 8-1926
 \angle N. E. to $1/4$ West. $90^{\circ}08'$

Dug up old stake - No sign of L. M.

Set I. P. furnished by Daly.

Dinner at Daleys

Ran North on same ran. line.

Johnson & Hrobosky chain east from

Range line to Temp. Cor. 10268.5'

Running North

Hub. 1835.4 \angle R. $0^{\circ}25'$ 23876 Hub 2111.5 \angle L. $0^{\circ}50'$ 276.1
2384.3 \angle R. $0^{\circ}25'$ 272.6
Hub 2655 for temp. $1/4$ Cor

5238.7 for " Sec. Cor 8-9-16-17

5295 " " " " " " "

5210' Hub

5283.3 Hub \angle 90° W. 135.3' to L. M.

78

N.P. 8" N. 82° 45' W. 26.9

N.P. 8" N. 61° 27' E 144.4

J.P. 8 S. 10° 53' E 51.8'

x

21.50
10.00
2.00
30.50

75
21.5
2.3
4.6

79

3' 5.3
5
4.8
4.6
4.4
4.2
3.9
3.7
3.5
3.3
3.1
2.9
2.7
2.5
2.3
2.3

3960 1.5
3967.5
3967.5
1322.5
27.5

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