

4-4-28 (68)

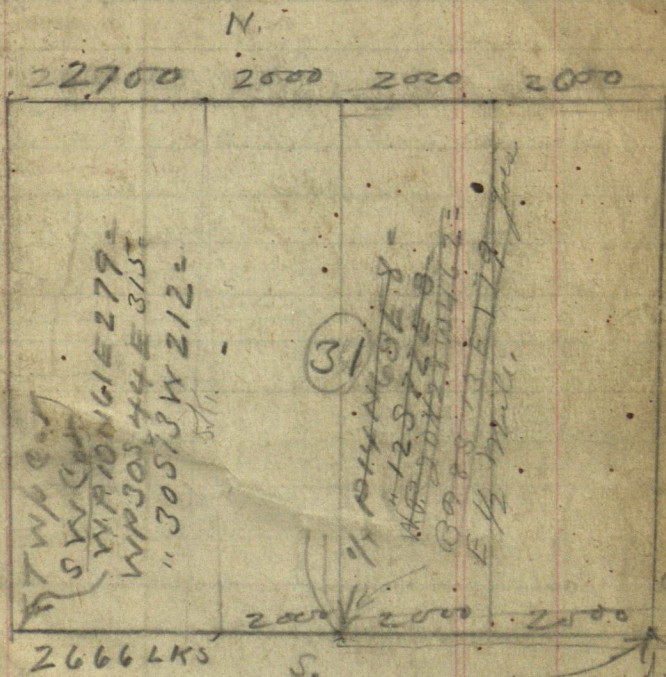
Garrison 44-28

GARRISON

MEMORANDUM



44-28 ①  
Garrison Trp  
INDEX-Pg. 141



BP 12 N 7 E 16 =  
" 12 N 54 W 41 = 27.06  
" 65 39 W 18 = 11.88  
" 125 28 W 36 = 2376

24  
24  
24  
27

10  
108

216  
216  
2376

ok found this



1 132  
1 34  
1 24  
1 H

John Davis  
44-28

3 36  
33 6  
36.96  
25.8  
23.8  
28.38

R.P. 15 N 34 E 74  
" 15 N 22 W 72  
" 12 S 15 E 86  
B. Oak 8 S 58 W 150

R.P. 12 N 16 E 43 = 28.38  
" 12 N 43 E 56 = 36.96

Sec. (20)

Sec. (21)

Aspen 8 N 3 W = 365 MS =  
Tam. 8 N 18 E 650 "

Bark 6 S 78 W 82  
Pine 24 S 86 E 125

1572  
572  
172.92  
29  
28

Aspen 10 S 74 E 380 =  
Bk. Oak. 8 N 15 E 262 =  
" " 8 N 30 W 330 =

1980  
1480  
500

T 44 R 28.

①

March, 1-1921.

John Curo and I have  
Brainerd after dinner  
for John Davis's place.  
I stay all night with  
Davis John Curo goes  
to one of the town Board  
of 43-28 and stays.

Harold J. Curo



T 44 R 28

②

on Twp Line

Southwick sec 31

March 2 - 1921

John Davis - Auditor

Gondall and I go  
to the S E cor of sec

31-44-28 where

U.S. notes call for

B.P. 12 N 7 E 16 = 10.56 ft

Sept " " 12 N 54 W 41 = 27.06 ft

" " 6 S 39 W 18 = 11.88 "

" " 12 S 28 W 36 = 23.76 "

We see one of the SW  
trees but do not  
use it. we drive  
a spike in the road  
for temp. sec. cor. and  
run down the road.

W @ 300 W - 600 W - 900 W

1200 W stakes not on

line @ 1320 W stake

on line. @ 2400 W

hub @ 2640 hub,

@ 2700 W enter meadow

@ 3000 W 3300 W 3600 W

Harold J. Curo

T 44-28

③

on trap line on  
the south side of  
Sec. 31-44-28

March 2-1921

3960 W 4200 W 4500 W

4800 W - takes on line

@ 4700 W to Supp. & Meadow

@ 5639.40 W cor. into

90° S 10.12 ft.  $\frac{3}{4} \times 10''$

I.M. quite for right.

Harold J. Curo



744 N 28

Bet. Sec. 20-21

March-3-1921

Curo brings over U.S. notes and then goes back to work. Love and Davis go and get the team ready while I copy notes we then drive to the cor. to secs 20-21-28-29 and as it is so near dinner time we decide to have dinner first. so we drive about 20 rods east bet secs.

28- & 21 where we put up the team and have dinner with Mrs. Hattie Crowell. after dinner J. M. Crowell Roy Crowell & Elmer Crowell go along to help cut line we go to the Sec. Cor. to Secs 16-17-20-21-44-28 where we find a 4x4"x4" Harold J. Curo

# Time Sheet. T44R2

575

March

1921

	1	2	3	4
Harold Caro $\pi$	1	1	1	
John Davis $\pi$		1	1	
Anton Jondell $\checkmark$		1		
Expences.	5			
Lover			1	
J. M. Crowell			$\frac{1}{2}$	
Roy Crowell			$\frac{1}{2}$	$\checkmark$
Clymer Crowell			$\frac{1}{2}$	$\checkmark$
Davis's Team. $\checkmark$			1	

*[Signature]*



T 44-28

Board Sheet.

March

1921

1	2	3	4
---	---	---	---

With Mrs Davis

H. J. Curo

1000	1000	1000	1000
------	------	------	------

With Mrs. Hattie Crowell

Harold Curo

0

Love

0

John Davis

0

T 44-28

bet. Sec. 20-21

7

March 3. 1921

ask stake with new B.T.  
old B.T. gone and then  
go to the south side of lake  
to see if we could find  
the M.C. on the south  
side of lake where  
U.S. notes call for.

Birch 6378 W 82 LK 5 = 54.12 ft

Pine 24586 E 125 H = 82.50 ft

I find the SE Pine stump  
plainly marked from  
which I set the True

M.C. I then set the  
transit on true corner  
right back on Sec. Cor.  
and send three men  
back to cut out line  
while I started the  
other men going

south. Beginning  
at the Section corner cor  
to Secs. 16-17-20-21-44-28

Harold J. Curo



44-28

But Dec. 20-21

March, 3 1921

we chain South @ 550 ft.  
South m.c. on North side  
of lake into 8.80 ft west  
set from old B.T. stumps  
which are R.P. 12 N 16 E 43 LK 3 =  
28.38 ft R.P. 12 N 43 E 56 LK 3 = 36.96 ft  
both stumps are standing  
@ 575 S North edge of lake  
bear E & W we chain across  
lake on ice @ 2110 ft S leave  
lake br. E & W @ 2128.70 S  
Center of spike drove in  
ground for true M.C. on the  
south side of lake. Caro  
Comes in his car and  
takes me to Brainerd to  
wait until it warms up  
a little.

Harold J. Caro

Sunday June 5 1921  
Cuss, Harold & I take  
John leaving home then  
drive to John Davis have dinner.  
then go and look over work then  
Cuss & Harold go back so as to go  
to settle to finish 27.

J. Babcock -



A.M.

Wednesday June 6, 1927  
John Harris, Phil Ralphs & I  
and I go to South East cor of  
Sec 6.

Starting at SE corner  
of sec 6-143-28 Chain  
North 300, 600, 900, 1200,  
1500, 1800, 2400, 2640  
hub in E of Road N & S.  
Var for S  $\frac{1}{2}$  mile =  $7^{\circ}$  E  
Var for N  $\frac{1}{2}$  mile =  $8^{\circ}$  E

Starting from 2640 Chain  
N 60 ft. 5270, 3000,  
3100, 3300, 3600, 3900,  
4200, 4500, 4800, 5100,  
5278.6 hub in E 3 Roads.

E & W & S. This is a Temporary sec CN  
From 2640 Road turn  $4^{\circ}$  38'  
to Left.

J. P. Babcock

Monday June 6 1921 Contd  
 Walk 1 mile west put up  
 Back shot or walk back  $\frac{1}{2}$  mile  
 E work transect on line put up  
 Lath. Chain <sup>East</sup> from Harold's  
 Cusos 2648 hub @ 2400, 2100,  
 1800, 1500, 1200, 900, 600,  
 300 then to my hub which  
 is 150 ft farther E.

P.M.

From my tin cor to see  
 5, 6, 31 & 32 Chain E set see  
 5832, 300, 600, 900, 1200,  
 1500, 1800, 1894 Center of wooden  
 Culvert. 2100, 2400, 2648 where  
 U.S. notes call for

$$W.P. 20 N 28 W 462 = 304.9.$$

$$R.P. 8 S 13 E 179 = 118.14$$

I establish this cor from  
 the Original B.T.S. which  
 Check perfect for course & distance  
 then carry  $\pi$  about 50 ft -

A. B. Babcock



Monday June 6, 1921.  
E to top of hill and set hub  
distance from sec. cor to hub  
= 3097.47.

Chance east on Randolph Line  
3300, 3600, 3900, 4200  
4207.15 hub on line. 4300  
enter meadow. E, N & S also

same. Set Run N.  
4442 Bridge over creek 10 ft  
wide Run N & S. 4500 stake  
4800, 5100, 5280 - 138 =

5274.2 hub and tall  
stake. Can not get out  
to 5280 on account of  
water.

Look for Old B.T.s but do  
not find any trace  
of them.

Send Lewis & kids after a  
bunch of fath. in a m.

P. B. Welch

Thursday June 7, 1921

A. C. Love Prings Geo Davis + Harvey  
Love + P. R. Ralph Dahl. John Davis & I  
go to the NE cor of sec 6, 43-28.  
Run North @  $84^{\circ}45'$  Var. set in  
31 + 32, 44-28.

North. 300, 600, 737 hub.  
900, 1200, 1500, 1706.9 hub.  
1800, 2100, 2400, 2640 Lake where  
US Notes call for.

tan  $14^{\circ}N 58^{\circ}E 23 = 15.18$

"  $20^{\circ}N 57^{\circ}30'W 31 = 20.46$

2700, 2738.2 hub. 3000,  
3023.3 Hub - 3300, 3600, 3705.95  
hub. 3900, 4200, 4500, 4800, 5100  
5308.95 Hubs. on line.

Cor to sec 22, 30, 31, 32. Where.

US Notes call for.

Pine  $10^{\circ}N 49^{\circ}E 6.00 = 396.0$

"  $12^{\circ}N 60^{\circ}W 8.61 = 568.26$

Look for old B.L.s but do not  
find any.

J. P. Babcock



U.S. Notes.

North bet 29-30 Var 9°E

40.00 Pine 15 S 0°30' W 54 = 35.64  
 " 24 N 51 E 56 = <sup>36.96</sup> ~~34.70~~ 36.96

80.00 19-20-29-30, 44-28.  
 Pine 20 S 17 E 4.40 = 290.4  
 " 18 S 24 W 5.16 = 340.56

East-Random bet 20 & 29.

Var 10°33'E

39.87 Pine 20 N 88½ E 12.16

86.90 Inter trap line.

46.90 W.P. 20 S 18½ W 254  
 W.P. 18 S 47½ E 305  
 North bet 28 & 29 19°E

40.00 Aspen 12 N 48 W 82  
 " 10 North 75

80.00 Sic cor 20-21-28-29

Aspen 10 S 74 E 380  
 Bk Out 8 N 15° E 262  
 " " 8 N 30 W 330

54 Time Sheet for June 1921 15  
Working for Harrison T.W.P.

June	5	6	7	8	9	10	11	12	13	14
J.W. Curo	-	-	-	-	-	-	5	-	-	-
I.P. Babcock	9	9	10	9	9	9	4	9	4	
John Davis	9	9	10	9	9	9	4	8	4	
R.J. Rafadahl	-	9	9	9	9	9	4	-	4	
A.C. Love	-	-	9	9	9	-	9	4	9	4
Harvey Love	-	-	9	9	9	-	9	-	9	4
Geo Davis	-	-	9	9	9	-	9	4	9	4
E. Schmalz	-	-	-	-	-	-	4	-	-	
R. Treichler	-	-	-	-	-	-	-	-	9	4

June	15	16	17	18	19	20	21	22	23	24
J.W. Curo	-	-								
I.P. Babcock	2	9	8							
John Davis	2	9	8							
R.J. Rafadahl	-	-	-							
A.C. Love	2	9	8							
Harvey Love	2	9	8							
Geo Davis	2	9	8							
R. Treichler	2	9	8							



Board sheet for June 1921.  
Board with Mrs. John.

June <sup>Sun</sup> 5 <sup>6</sup> 7 8 9 10 11 12 <sup>13</sup> 14

J.W. Curo.

D - - - - -  
S - - - - -  
O - - - - -

Harold Curo

S - - - - -  
D D B D B B D B B D B B

T.R. B. ab. cock

S L S L S L S L S L S L S L S L  
D D D -

R. J. Raindahl

D D D D

A.C. Love

D D D D

Harry Love

D D D D

Geo. Davis

D D D D

R. Treichler

D D D D

J. A. Selvig

Barwick

D D D D

Barwick

D D D D

Barwick

D D D D

Love

D D D D

Love

D D D D

Rafodahl

D D D D

## U.S. Notes. Contd.

North cut 32+33 - 44 28. V1059

33.00 Tana E + W.

38.48 M.C.

Tana 8 E det 16 = 10.56

" 6 S 11 W 18 = 12.88

40.00 In Lake.

48.14 M.C.

Aspen 6 N 14 E 56 = 36.96

Aspen 6 N 55 W 32 = 21.12

80.00 Aspen 10 S 11 W 19 = 12.54

" 10 N 4 E 16 = 10.56

Birch 9 N 6 W 17 = 11.52

Birch 10 S 60 E 93 = 61.38

East. True Line cut 30+31/V1059E

47.00 W.P. 20 S 35 W 30 = 7.56

Corte No 25 30 - 31 - 39 - 44 - 29 + 29

Aspen 12 N 25 W 12 = 7.92

Birch 8 S 5 W 44 = 29.04

Aspen 10 S 45 E 25

Aspen 6 N 80 E 11 7.26



June 8, 1951 Wed.  
 (Cherry Highway Love Shack) ...  
 ... Davis, RJ Rapids, Al-  
 and S. Continue North from  
 5308.95, 5400, 5700  
 6000, 6300, 6517N hub -  
 6600, 6900, 7200, —  
 743014 N hub - 7500,  
 7800, 7919.2 Hub - 8100  
 8400, 8700, 9000, 9141.8 hub -  
 9300, 9600, 9819.2 hub - 9900  
 10200, 10500 talk for hub.  
 thence N 55° 15' E 115 ft - to  
 see cor.

Thence to NW cor of sec 31  
 where I find the NE B.T. plainly  
 marked. I set a  $1\frac{1}{2} \times 20$ " B.L. H  
 ask Hub for true cor then carry  
 stream 300 ft - E to top of hill  
 and set in line with fence  
 ... E. set

6:20 P.M.

W. B. B. B.

19

19

June 8, 1921, Contd.

65.68

94.81.0

41 54.81  
23.7

55°15'

115°

120000

Random error

10500. N

89.57-501

TRUE LINE.

2	10565.68
41	5282.84
<hr/>	
2	641.42



20

## Figuring Corrections

June 8, 1921 Cortel.

$$\text{Sine } 75590' = 82082 \quad E.$$

$$\text{Cosine } 75590' = 5712 \quad N.$$

$$82082 \times 115 = 9431 \quad E$$

$$5712 \times 115 = 6568 \quad N$$

$$10567.1 / 944000060082$$

$$84536$$

$$98640$$

$$84536$$

737 N *g* E 6.55

1706.9 N " " 15.18

2738.2 " " 24.36

3023.8 " " 26.98

3705.95 " " 32.98

5308.95 " " 47.23

6517.0 " " 58.100

7430.4 " " 66.12

7919.2 " " 70.37

9141.8 " " 81.36

9819.2 " " 87.38

10500 " " 93.45

10565.6 " " 94.81

J. P. Bobcock

June 9, 1921.

Starting at NW Cor. sec  
31 I Run East on Random  
Line @  $9^\circ$  V.

Chain East 3.00, 316.61 ft  
600, 900 979.7 hub 1200,  
1500, 1800, 2100, 2400 2700.  
3000, <sup>3050.92</sup> ~~3055.85~~ hub & Road R.  
N. S + W 3300, 3600, 3900,  
4200 4500 4800 hub  
4800, 5100, 5400 5700  
5876.75 hub 6000 6300  
6485.6 hub 6600, 6900,  
6953.7, 7200, 7500  
7 hub - 7800 in  
water 8400 is 38 ft short  
8400 is 38 ft short = 8362

Worked until 9:15 P.M. on  
notes.

L. D. Babcock



U.S. Notes.

At the  $\frac{1}{4}$  Cor bet 29-32

$$40.25' = \frac{1}{4}$$

$$\text{Pine } 20 \text{ S } 20 \text{ W } 40' = 2640$$

$$\therefore 14 \text{ N } 52 \text{ E } 85' = 56.10$$

Eck				A
	3102.0005	2640.00	2656.500	
	3050.92	2596.53	2612.750000	
	<u>51.08</u>	<u>43.47</u>	<u>43.75</u>	
	8.41			

۴۳

51045-

Sine 2 78532 S

Costs = 6/9/W

7055.86

8260, 2

8260.2  
5204/100 random

5204/02 over

$$\begin{array}{r} 371380 \\ 328248 \\ \hline 431320 \\ 410310 \\ \hline 210100 \end{array}$$

328248

431320  
410310

$$\begin{array}{r} 210100 \\ \hline \end{array}$$

29. 19. 11.

18

Fig. 1

16.8

11.9

20.5

50.5

39.5

四



my ch.  
3050.5  
3382.5

Road.

2593.9-5  
26314.5

5-282 m ch  
5-280 U.S.

5-282 my ch.  
5-280 U.S.

2610.5 my ch.  
2636.5 U.S.

Nix

D. B. Babcock

NG

1100.0 L

93.2

177.7

88.85

D. Labuck



26

$$\begin{array}{r} 186 \\ 94.3 \\ \hline 91.7 \end{array}$$

$$\begin{array}{r} 5282 \overline{) 186,00} \quad \overline{) 0352} \\ \underline{15846} \\ 27540 \\ \underline{26410} \\ 11100 \\ \underline{10564} \\ 536 \end{array}$$

June 10 1921  
correcting.

$5876.75 = 2720.9 \text{ E from}$   
 $3053.85$

$2720.9 \text{ E goes } 895.9$

will cut line tomorrow.

$$\begin{array}{r} 2720.9 \\ 2640.1 \\ \hline 80.9 \end{array}$$



28

June 10, 1921  
 Starting at NE cor of  
 sec 36. of chain E  
 East 300, 600, then  
 broke chain at 850 on  
 account of sink hole. then  
 to 1150 then add 50 ft so  
 as to come to 1200, 1500  
 1800, 2043.3 hub - 2100  
 2400, 2622  $\frac{1}{2}$  Road N & S  
 2640 goes E. 18 ft. 2700  
 3000, 3300, 3600, 3900,  
 4200, 4500, 4800, 5100,  
 5147.2 hub. 5248 hub.

88 V E for west mile.  
 then turn  $4^{\circ}50'$  to right  
 so as to hit  $\frac{1}{2}$  Road running  
 East 300, 600, 900,  
 1045.5 hub.

J. B. Beck

# Board Sheet. Jan 1901

Elan Pearson

29

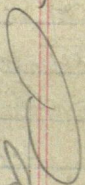
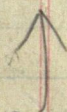
10 11 12 13 14 15 16 17 18

Babcock

0

Clavis

0



Wm. Crowell

Curo

5 - 8 11 by Curo

Babcock

0

Clavis

0

Love

0

Clavis.

0

Love

0

Fred Freichter



Babcock

0 - 0 0

Clavis

0 - 0 0

Love

0 - 0 0

Clavis

0 - 0 0

Love.

0 - 0 0





June 11, 1921  
Starting at hub 1045.3  
Continue East.

1200, 15.00, 1850

1832.4 hub 2104, 2400 2673.4

hub. thence W 54° 20' S 42.7

U.S. North but 20821.7 9° 0' E

410.00 1/4 Aspen 8 N 3 W 365

lane 12 N 18 E 650

417.00 M.C.

Brick 6 S 78 W 82

point 24 S 86 E 125

North but 29628 V 9° E

415.00 1/4 Aspen 12 N 48 W 82 = 54.10

10 North 75 = 49.15

8000 Cut to sec 20-21-28-29

Aspen 10 S 74 E 380

B Oak 8 N 15 E 262

B Oak 8 N 36 W 330

June 11, 1921

Starting on South side  
of lake at sec 20 & 21. From

U.S.M.C. and Chain South

~~300, 600, 1072.5, 1200~~~~1500, 1800, 2100, 2400~~~~2700, 3000, 3130.25 hub.~~~~3300, 3600, 3900, 4200~~~~4370.9~~~~800, 600~~Starting at tem hub 3130.25  
Chain South

300, 900, 12, 1250, hub, 1500

1800, 2100, 2700, 2789.4 hub

3000, 3300, 3497 hub, 3600

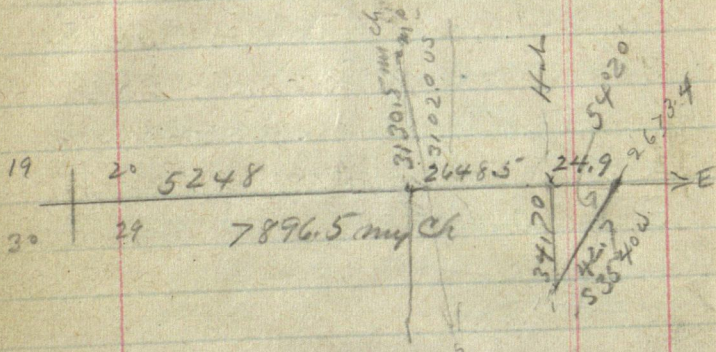
Then cut line through  
Swamp.Curo comes out and changes  
any random line.

J. E. Labock



3.2

8960  
57.20  
55.40



35'40'

sin 58307 x 42.7 = 24.9 W  
 or 81242 x 42.7 = 34.7

58307  
 40  
 81242  
 42.7  
 568694  
 162484  
 324.968  
 34.690334

4081.79  
 1166.14  
 2332.28  
 248970.89

5248.  
 26485  
 78965

2673.4  
 24.9  
 2648.5

5.7 East of 524 P. hub  
 43.4 South of fence -  
 5.2 East of fence -

$$\begin{array}{r}
 7975 \\
 \underline{66} \\
 47850 \\
 \underline{47850} \\
 526350
 \end{array}
 \qquad
 \begin{array}{r}
 47. \\
 \underline{66} \\
 2827 \\
 \underline{282} \\
 3102
 \end{array}$$



June 12, 1921 Sunday  
 Starting at 3600 South  
 I continue line south  
 3900, 4200, Enter swp -  
 4500, 4602, 95<sup>hnt</sup> 4800, 5100  
 5201, 90. Sub. 5280 hnt then  
 turn 90° and Run W about  
 300 ft. Look for U.S. P.T.S  
 but do not find them  
 Bill Crowell & Mel Crowell  
 comes along but do not  
 work. Lovett & Lewis's say  
 that they would rather  
 not work as there is going  
 to be a ball game so I go  
 along.

J. Rabcock.

June 13, 1921. Monday

Starting at 5289, I run  
south at an angle of  $30^{\circ}$   
West from Random Line  
Rudolph Treichler takes  
R.J. Pofadahl's place as he  
wants to do some braking  
Chain south 300, 600, 729.7  
hub. 900, 1000 Enter meadow  
1200, 1400 Leave same. 1500 stake  
not on line. 1800, 1959.8  
hub. 1973.  $4\frac{1}{2}$  ft North of  
water. Then set hub across  
Lake start to cut line south  
Then John Davis & I start to  
look for U.S. M.C. on south  
side Long Lake where U.S.  
Note call for.

tan  $8^{\circ}$  East  $16 = 10.56$

"  $6^{\circ}$  S  $11^{\circ}$  W  $18 = 12.88$

We find the East B.T. land  
but plainly marked. Also  
stump of S.W. B.T. (Babcock)



June, 13, 1921 / Monday  
 John Harris A.C. Love  
 to set M.C. from these  
 B.T.S. of measure put in  
 a  $1\frac{1}{2}$ " x 8" Tan Pole which  
 set 48" above water with  
 white Hank. fastened to top  
 then to 1/4 on South side  
 of sec 29-44-28. Run  
 East on Random Line @  
 7° Var. E Cut about 600 ft  
 East when it starts to rain.  
 Quit for night.

D. P. Abbott

June 14, 1921 Thursday  
 A.C. Love Ben Lewis, Harry  
 Love, John Lewis Rudolph  
 Trachler & I work. Looked like rain  
 starting at 4:30 on South  
 side 29-44-28 I chain  
 E 300, 382.9 hub. 600  
 908.921.2 hub. 1200, 1500  
 1761.3 hub 1800, 2100  
 2168.65 hub 2400, 2700  
 2814.2 hub.

Rain most of P.M.

L. L. Lobweh



38

U.S. Notes

West Long Lake bet - 28833 V 10030'E

22.00 M.C. E side mud Lake

Tam 8 N 84 E 380 = 250.8

Birch 6 S 55 E 150 = 99.0

28.00 Four Lake Mt-me

Birch 6 S 55 W 147 = 97.0

Tam 8 N 87 E 130 = 85.8

40.00 4.

R. Pine 12 S 62 E 40

" 24 N 15 E 28

42.00 Mt m. c. E side L. L

R. Pine 12 S 62 E 40 = 26.4

" " 24 N 15 E 28 = 18.48

52.00 West Side Long Lake

W.P. 12 N 30 E 320 = 211.2

June 15/92 Wednesday  
 C.C. Love & Harvey Love

Geo Davis John Davis

Rudolph Treichler & I

Start at hub. 2814.25 of  $\frac{1}{4}$  Cor  
 on south side sec 28-44  
 28, Cut line East about  
 600 ft when it starts to  
 Rain.

D. Babcock.



40

## Board Shut for June

A C Love

June	15	16	17	18	19	20	21	22	23	24
Babcock	0									
John Harris	0									
Geo Harris	0									

Babcock  
John Harris  
Geo Harris

Paid

Board shut for June. 1921  
Boarding with Mrs John-  
Leaves.

41

June 15 16 17 18 19 20 21 22 23 24 25

Curo J.W. B

Babcock I.D. S B B B B

Refadhal R.J.

Love A.C.

Love Harvy

Geo Davis

R Treichler

Paid.



June 16, 1921 Thursday.  
 Chain East from hub.  
 2814.2, E 360 548.7 hub  
 600 at crown of hill.  
 900, 1200 hub, 81439.2  
 hub on crown of hill going  
 down to Lake. Sand  
 flag across Lake. for hub.  
 turn 90° to Random Line  
 run N 294.9 ft set hub  
 for triangulation.

From 284.9 M turn S 71° 05' E. to  
 hub across Lake then around  
 Lake set up and Run E as  
 I do not find any B.T.S. on  
 East side Long Lake. over hill  
 and Enter Swamp. do not  
 Chain...

P. Labock

## U.S. Notes.

Cor to sec 27, 28, 33, 34-44-28

Red pine 15 N 10 W 250

" " 8 S 45 W 350



June 17, 1921

Starting at west edge  
of swamp at hub at foot  
of hill Cut line East.  
John Davis & I start to  
look for M.C. on West  
side Barber Lake find  
old Town & stumps which  
bore as marks cut  
in and find old U.S.  
blaze and part of B-  
set corner from this  
stump N 87 E. 85.8 ft  
where I set a 10' x 2'  
ash pole marked

M.C. (set by Babcock).

Go to hub at foot of hill  
set transit up and turn E  
E 41° 30' N. 144.8 ft.

Then I chain West  
from this hub to Long  
Lake 300, 600, 756.5  
to hub on East side

June 17, 1921  
Long Lake.

at 1973 South on North  
bank of Long Lake Dist  
but for triangulation. then  
 $S 50^{\circ} 45' W$  250. ft. then  
 $64^{\circ}$  to hub.

M.C. brs.  $S 9^{\circ} 45' W$  then  
250. ft. W.  
 $(54^{\circ} 45' to M.C.)$

P. Batock



46

50°45'

Sin  $77439 \times 250 = 193.6$  W. T. B.

cos  $63271 \times 250 = 158.18$  S. T. B.

C = 158.18 South

65°15'

Cal.  $.46101 \times 193.6 = 98.25$

Tang 2.16917

1973.00
158.18
98.25
<hr/>
2229.43

1973.00
158.18
2131.18
98.25
<hr/>
2229.43

158.18
98.25
<hr/>
256.43

J. W. Curo





Tuesday Sept. 6, 1921.

A. C. Love Harry Love & I  
put-in  $\frac{1}{4}$  cor. bet sec 5 & 32 T  
43-44-Range 28 also cor  
to sec. 5-6-31-32 T43-44 R28-

Sept. 5 1921.

John Davis & Ralph Hall  
Come to Brainerd and Bring  
me Out, so as to start  
work Tuesday Sept. 6 1921.

Bobrock,

49

44-28

32

245.3

NH 5E

...

 $\frac{1}{4}$  Cor.

N 80 V.

420

545-22

54

⑤

~~54545~~

5/1

413-28

5431

44-28

~~HH5-5~~

45

$$\begin{array}{r} N45E \\ \hline W5 \end{array}$$
~~15~~

SFC 32

414128

SE C 6

43-28

$\begin{array}{r} 54500 \\ \times 45 \\ \hline \end{array}$

45

SEEC 5-

43-28

~~545~~

*J. Babcock*



58

44-28

Board Chief - Boarding  
with Mrs. J. C. Harris

Sept-

	5	6	7	8	9	10	11	12
I. R. Babcock	AB	DB	DB	DB	B	B	B	B
Harry Love	4	3	5	5	5	5	5	5
R. C. Love	D	D						
Geo Harris								

	12	13	14	15	16	17	18
I. R. Babcock	DB	DB	DB	DB	DB	DB	DB
Harry Love	SL	SL	SL	SL	SL	SL	SL
R. C. Love							
Geo Harris							

	19	20	21	22	23	24
I. R. Babcock	B	B	B	B	B	B
J. W. Curo	SL	SL	SL	SL	SL	SL

53 Meals @ 35¢

21 Beds @ 20¢

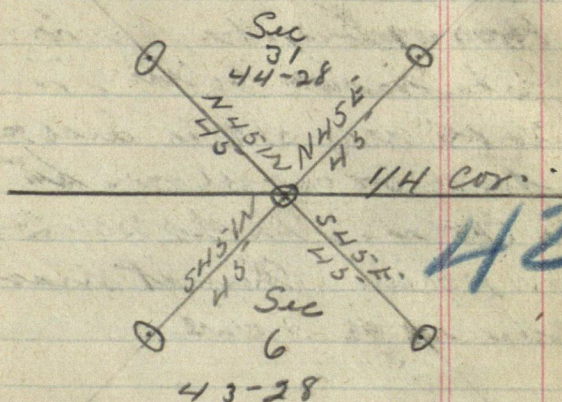




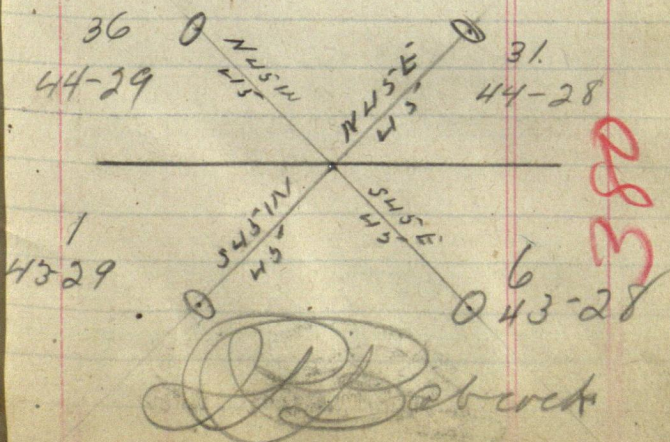
Sept 7, 1921.

A.C. Love goes to town  
Harry Love, Geo Davis,  
John Davis & I put in '4  
cor set sec 31 & 6 also go  
to Twp. Cor where we set  
the Cor in the presents of  
Mr. Fresh. Then it starts  
to Rain so go home.

D. B. Webb



420





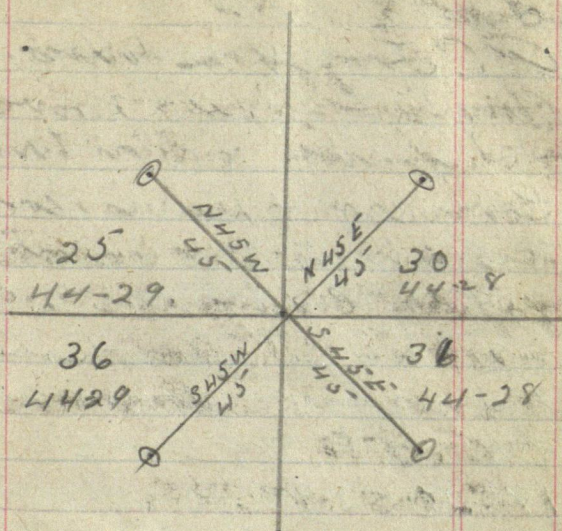
84

44-28.

Sept. 8, 1921

R. C. Love, John Davis,  
Geo Davis, Harry Love  
& I finish sitting Twp  
corner and put in cor W  
sec 25-30-31 & 36 Twp  
44 bet Ranges 28 & 29.  
Work in P.M. get in six  
hours. Missing about  
9 A.M.  
To bed at 9:25.

D. B. Black



*D. B. Brock*

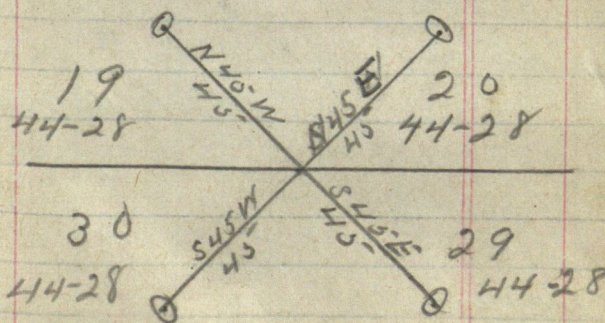
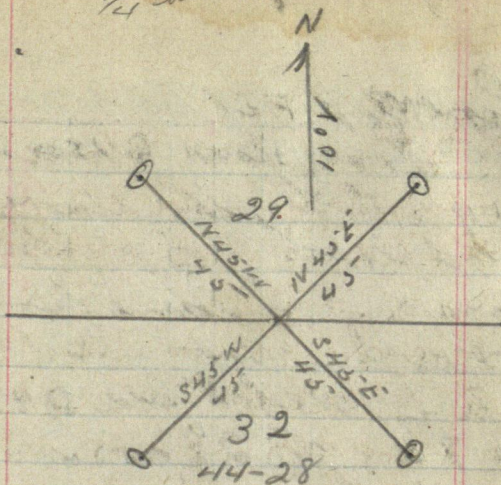


Sept 9, 1921

P. C. Love goes to Brainerd  
Harvey Love, Joe Slavis  
John Slavis + I with  
Love's car + Slavis team  
to haul monuments  
go to  $\frac{1}{4}$  cor. sec 29 +  
32 T44 - R. 28 where I  
put in five looms and  
then go to cor to sec  
19-20-29 + 30 where I  
also put in five looms

A. B. Babcock

1/4 at 29-32 Nov 1892-57



380

H. Babach



58

Board shut Sept 1921

Board With Fred Trichter

	19	20	21	28	29	30	1
J.W. Curo			D	D	D	D	
I.P. Babcock	2	D	D	D	D	D	
John Davis		D	D	D	D	D	
Ed. Love		D	D	D	D	D	
Harry Love		D	D	D	D	D	
Geo Davis		D	D	D	D	D	

Mrs Love

I.P. Babcock				D	D	
John Davis				D	D	
Geo Davis				D		

26 27 Oct 14

I.P. Babcock	✓	D	D	D	
John Davis		D	D	D	
Geo Davis		D	D	D	
J.W. Curo		D	D	D	

I.P. Babcock

Board Sheet Sept. 1921

59

Board With Tom DYKMAN.

5 6 7 8 9 10 11 12 13

I.R. Babcock

John Davis

Harry Love

Geo Love

A.C. Love

J.M. Crowell.

I.R. Babcock

John Davis

A.C. Love

Geo Davis

Harry Love

Berger Anderson

16 17 18 19 20 21 22 23

I.R. Babcock

Geo Davis

Harry Love

John Davis

A.C. Love



Sept 20, 1921

A. C. Love, Harry Love

John Harris Geo Harris & I

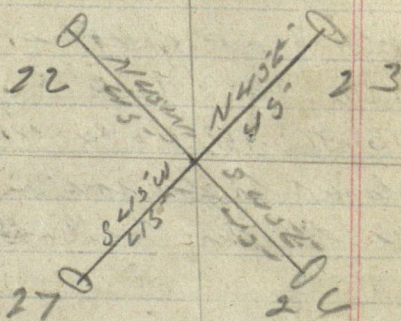
Go to Cor to see 22-23-26-

27 where we put in 5 Irons  
see plat on Next Page.

Thence to  $\frac{1}{4}$  Cor bet-see 21 & 28  
where we also put in five  
Irons - see plat on Next Page

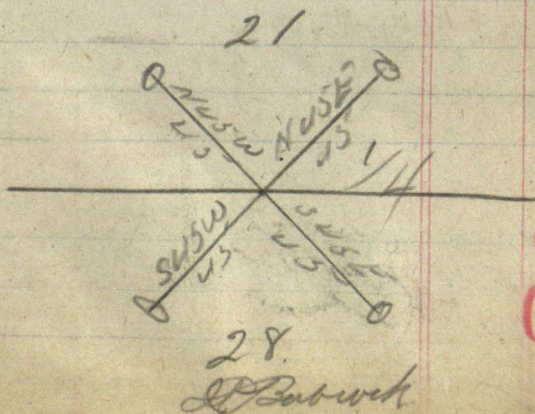
A. C. Love

80V.



183

80V.



183

P. Dubovich



Sept. 12, 1921

John Davis & I Check ch.  
The West side of sec 28 T4N  
28 and also continue South  
to North Bank of Long Lake.

300, 6, 9, 12, 15, 18, 21, 24, 27, 30

3000, 33, 36, 39, 42, 45, 48, 51, 54

5280 to 60 to for south. then

Start and Ch. South to Long Lake

300, 600, 900, 1200, 1500, 1800

1975 hrb.

180  
64  
716

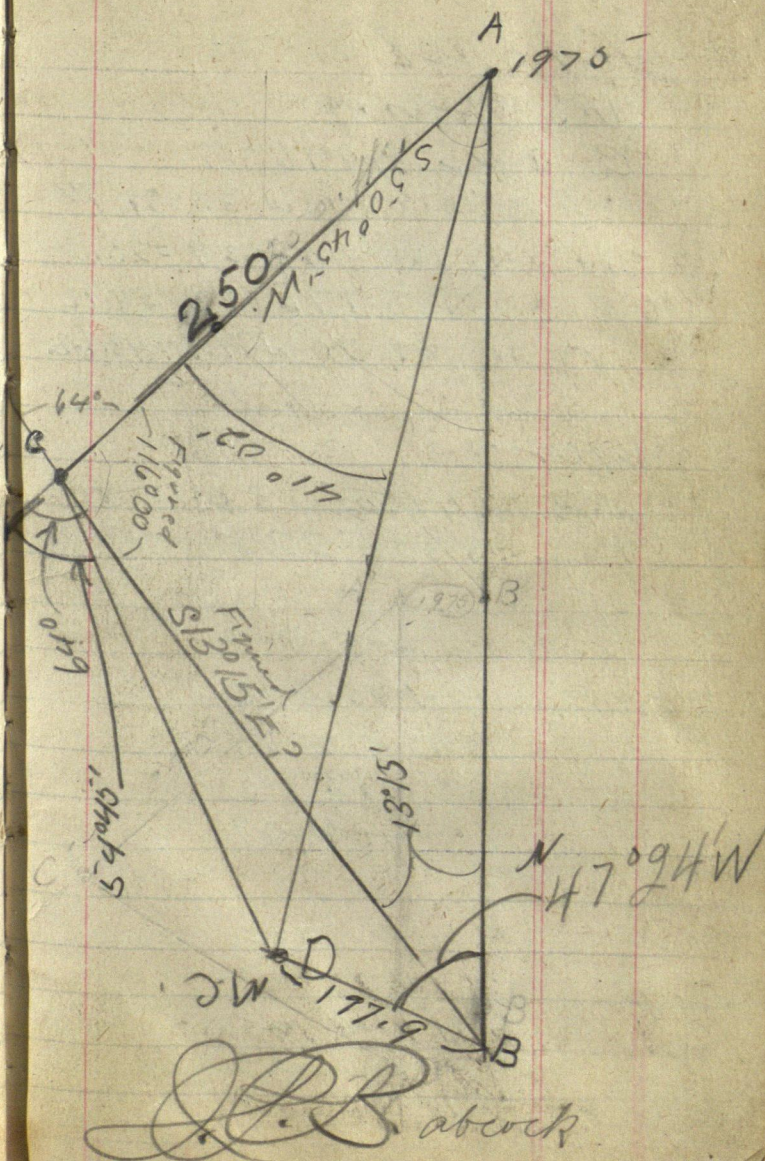
68°60  
50 45  
13°15

13°15'

Tang . 23547x

Calc. 4. 24685 x 193.6 =

J. P. Babcock





64

44-28

9/12/21

U.S. Notes.

Cor to sec 8, 9, 16-19

Red pine 12N 10W 33 = 21.78

" " 12N 70E 39 = 20.74

" " 15S 17E 82 = 54.12

W " 14S 70W 77 = 48.62

1/4 Cor.

WVP. 12N 62E 230 = 151.80

Tann. 2S 35E 228 = 150.48

Cor to sec 4-5-8-9

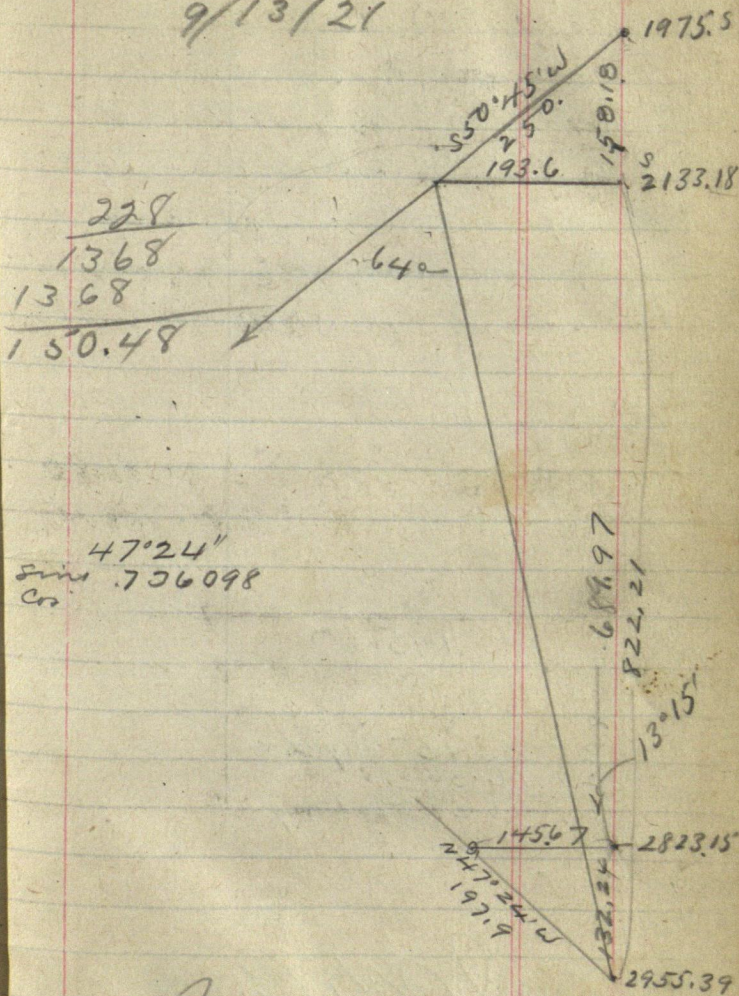
R. Pine 12N 70W 12

" " 12N 56E 34

" " 10S 71E 13

" " 10S 40W 27

9/13/21

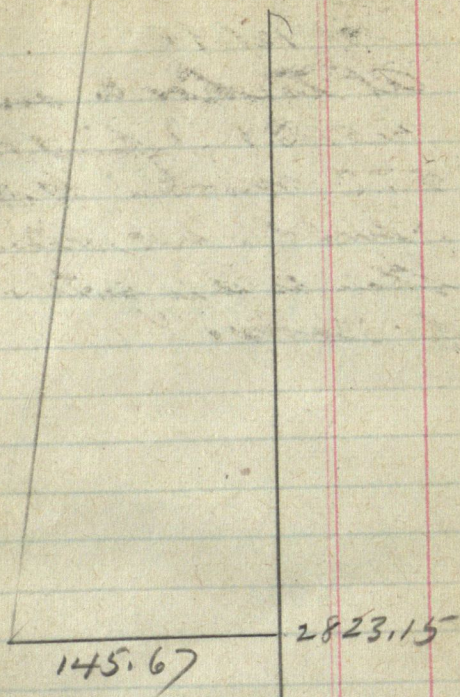


$47^{\circ} 24'$   
Sine 756098  
Cos

J. W. Carr



66. 9/13/21



28 23.15 - mych -  
27 16.56 63  
1 06.59 Too Long ✓

J. W. Curo

9/12/21

At the Cor to see.

4, 5, 88-9 I find two of Curvis  
 B.T.S. marked & from which  
 I find his but with large lack.  
 than as it is getting late start  
 for Davis.


 L. Babcock



9/13/21

Richard Ring Mr. Ring  
John Davis & wife & I  
go to Bramerd as it is  
Raining and I want to  
figure triangulation of Long  
Lake.

C. P. Black

9/13/21

69

my ch.  
42534

284.9

90°

868.34

5740.50 E

2814.2

1439.2

756.5

5009.4

868.34

5878.24

101.46

5979.70

2800

1400

4200

1000

5200

4020

9223

553.50

5535.0

6098.50

5878.24

210.26

6089.5

214.260

182655

276050

243540

325100

304730

203700

100345

5121.74

10010

(see page 71)

D. B. Babcock

see page 41-42 367.42



9/14/21

Rain most of all  
A.M.

go to Mr. Burger Anderson.  
and he shows us the  
— cor to sec. 8, 9, 16 & 7 where  
I drive a  $3\frac{1}{4} \times 5$ " hub. then  
starts to Rain. so go home  
get in three hours.  
in P.M.

Work 2 hrs on part  
of south line of 28 & 29  
T44-28.

P. Babcock.

9/14/21

71

$$1000 \times 66 = 660$$

$$4025 \times 66 = 26565$$

$$2800 \times 66 = 1848$$

$$1400 \times 66 = 924$$

$$2656.5 \times .00345 = 91.649$$

$$1848 \times .00345 = 63.256$$

$$924 \times .00345 = 31.878$$

$$660 \times .00345 = 22.77$$

---


$$209.553$$

$$\begin{array}{r} 2656.5 \\ .00345 \\ \hline 132825 \\ 106260 \\ 79695 \\ \hline 91.64925 \end{array}$$

$$\begin{array}{r} 1848 \\ .00345 \\ \hline 9240 \\ 7392 \\ 5444 \\ \hline 63.2560 \end{array}$$

$$\begin{array}{r} 924 \\ .00345 \\ \hline 3180 \\ 3620 \\ 3696 \\ \hline 31.8780 \end{array}$$

$$\begin{array}{r} 345 \\ 66 \\ \hline 2070 \\ 2070 \\ \hline 22.770 \end{array}$$

*J. P. Babcock*



9/14/21

211030'

Sine 66262

Cosine 74896

.66262

144.8

530096

225048

225048

66262

91.548376

756.5

864.96

.74896

144.8

728688

41030

108.46

144.8

91.55

Labwick.

9/14/21

73

$$6088.5 \overline{) 101.800} (.00167$$

60885

409150

364310

448400

$$1000 \times 66 = 660$$

$$4026 \times 66 = 2656.5$$

$$2800 \times 66 = 1848$$

$$1400 \times 66 = 924$$

$$660 \times .00167 = 1.102$$

$$2656.5 \times .00167 = 4.436$$

$$1848 \times .00167 = 3.085$$

$$924 \times .00167 = 1.533$$

103.23

*Alfred*



44-28

9/15/21

P. C. Love, Harry Love, Geo  
 Davis & I go to the cor to  
 see 8, 9, 16, 17 where I  
 took a mile north to the  
 true cor to see 4, 5, 8 & 9  
 Van Rade  $3^{\circ}45' E$  Int-  
 points for Iron monuments.  
 Then Chain North on  
 track line.

88.0 Center Cement-Bridge.  
 300, 600, 900, 1200, 1500,  
 1539 Center of Cement-bridge  
 1800, 2100, 2400 2640 hub  
 not on line, 2700, 2955.0  
 wooden Culvert, 3000, 3300  
 3600, 3900 4200, 4500  
 4800, 5100, 5279.1 cor to  
 see 4, 5, 8 & 9. T 44-28.  
 2640 goes south .45 of a  
 mile I can find the  
 U S Bearing trees.

Pabcock.

9/16/21  
J44-28.

75

Rain all day.

9/17/21

Harold Low, Gus Davis, & ✓  
I went in car to see 89, 1687  
Lunch at Burger Anderson's.  
Went fishing Lake hills.  
then to 1/2 car to see 89 where  
I put my fire iron - then home

Patcock



Sunday Sept 18, 1921

Hunt a little but do not  
have no luck.

Monday Sept 19, 1921

Harry Lane, Geo Davis,  
John Davis & I go to cor to see  
4, 5 & 9 where we separate  
for five Dons & get in three  
when it starts to rain.

Boback

Sept. 20, 1921.

A.C. Love, Harvey Love, Geo Davis, John Davis & I go to Cor to see 4, 5, 8 & 9 where we finish setting U.S. Standard Monuments, thence to  $\frac{1}{4}$  cor bet 4 & 5 where we set points for 5 U.S. Iron Monuments and get in there before noon. Dinner at Berger Andersons, starts to Rain while we are eating go back to  $\frac{1}{4}$  bet. 4 & 5 and finish setting that corner then home - as it starts to Rain harder.

Love says that they will not put in any more Irons on north side of trip this year as they want some to finish up the work they have started to do in the south side so Davis agrees with him.

P. Babcock.



Sept. 21, 1921:

A. C. Love, Harry Love,  
Geo Davis, John Davis & I,  
Take Geo's Mules and 11  
Iron monuments and drive  
to cor to sec 16, 17, 20 & 21 T44-  
R28 where we put in 5 U.S.  
Standard Monuments, get in  
3 before noon then to  
Fred Treichler's, for dinner,  
then back finish up sec cor  
thence; to M.C. on North side  
of Williams Lake where I check  
in old stake & find OK, then  
set points for 3 Iron monuments N45E  
45, N45W 45 and M.C. Cor. Marked  
U.S. M.C. 20:21. Curo called this  
morning and said that he would  
be out here some time to day.

Thence to M.C. on South  
side Williams Lake, where  
we set points for 3 Iron

J. Patock

Sept 21, 1921

Monuments as follows.

S 45° W. 45; S 45° E 45 and  
U. S. M.C. 20; 21, T44 R28.



Sept. 21, 1921

Figuring.

1782

1320

2640

2656.5

8398.5 U.S. Ch.

8260.2 = MV Ch.

138.3 Short 9 U.S.

$$\begin{array}{r}
 8398.5 \overline{) 138.30000} \quad 0.00161 \\
 \underline{83985} \\
 543150 \\
 \underline{533910} \\
 92400 \\
 \underline{83985}
 \end{array}$$

$$3102 \times 0.00161 = 49.9422$$

$$2640 \times 0.00161 = 42.504$$

$$2656.5 \times 0.00161 = 42.76965$$

$$13421585$$

$$3102 - 49.94 = 3053.06$$

$$2640 - 42.50 = 2597.5$$

$$2656.5 - 42.77 = 2613.73$$

$$3053.06 + 2597.5 = 5650.56$$

$$5876.75 - 5648.56 =$$

$$228.19$$

$$5876.75 - 5648.56 = 228.19$$

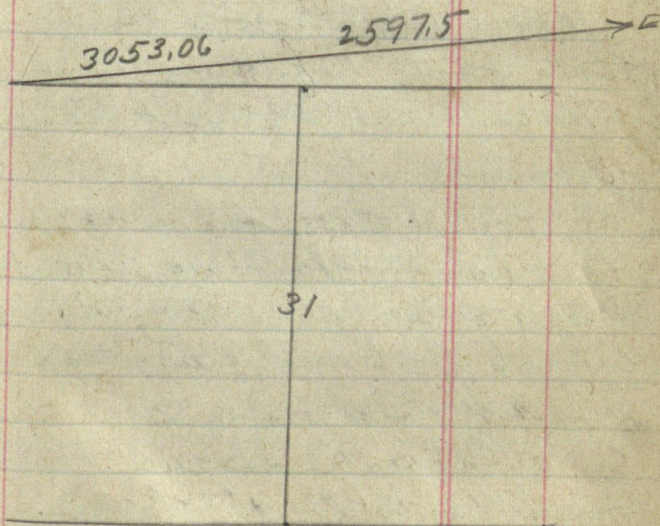
$$228.19$$

Jan 21-1924 Cheeking  
.016470167

44-28.

81

$$5648.56 \times 0.001452 = 81.917 \text{ South.}$$





Sept 22-1921. Thursday  
 Bab and crew wait for Curo at  
 Dykeman PO till 10-AM. Then  
 walk to Cr 17-18-19-20-44-28

Curo Los Pul @ 9-AM

Ar. Dykeman 10:40 AM = 10.  
 minutes after Babcock + crew  
 leave.

Blow auto horn to bring  
 Bab back. all drive to

$\frac{1}{4}$  cr bet 19-20 - set transit  
 near lumps  $\frac{1}{4}$

Curo - Davis and Love go  
 $\frac{1}{2}$  mile so - put up tall flag  
 @ Ton. @ Cr 19-20-29-30 - on  
 which Bab and crew back  
 sight and run N

Curo and flower walk  
 back  $\frac{1}{2}$  mile so to cr

19-20-29-30-44-28 @  
 North bet 19-20 & 29-30  
 300 slake 446.2 N - lat fly  
 on line 600 slake no stake  
 on line

620 enter marsh, 700 slake 83

30. ft So of water E. arm

J. D. Lake 875 to water (which  
extends 400 ft East)

1000 slake. 1185 to marsh

1300 " 1600 - slake

1643.10 slake on random  
line 1900 - 2200 - 2500  
slakes not on line

$$2500 + 172.6 = 2672.6$$

Q graded road EXW

2689. Hub: 2800 slake

2947.3 Hub 3100 - 3400 -

3700 - 4000 - 4300 - 4600

slake 4612 Cross. dim

road NE-SW 4733 EXW

new wagon track Road

4783. Hub 4900 - 5200 - slake

5280 Hub.

Hub

$$5280 + 69.6 = 5349.6 \text{ ft}$$

for old slake 33. ft E of SW Cn

1 fence bear East 0.30 of a foot

line at Trichlers

home @ 7:30

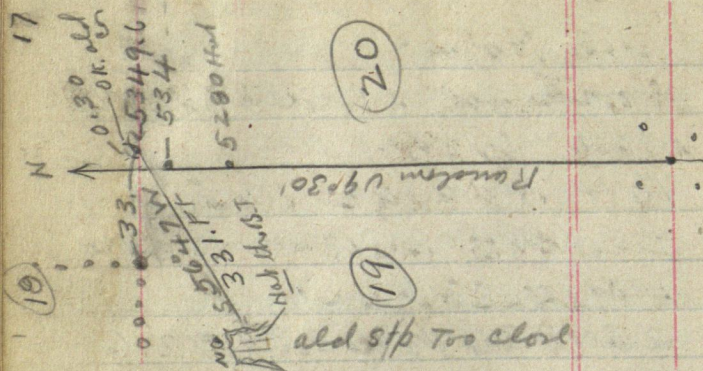
J. W. Curo.



84

Hob

44-28



At Cor 17-18-19-20 US Valis ray  
 WP 24 S 33° E 669 Lks = 441.54 Ft  
 " 18° S 63° 30' W 725 " = 478.50

1/4 Bet 19-20 US Valis ray  
 WP 18 N 32 1/2° E 605 Lks = 399.30 Ft

J. W. Curo.

44-28

85

U.S. Notes.

North bet 19-20  $V 9^{\circ} E$

40.00  $\frac{1}{4}$  cor.

W.P.  $18 N 32\frac{1}{2} E 605'$

8000 cor to sec 17-18-19-20

W.P.  $24 S 33 E 669$

" "  $18 S 63\frac{1}{2} W 725'$

West true line. bet 17 & 20 4

$V 10^{\circ} 29' E$

39.80  $\frac{1}{4}$  cor.

W.P.  $20 S 32 E 125 = 82.50$

" "  $24 S 51 E 130 = 85.8$

East-true line bet 18 & 19.

$V ar 11^{\circ} 45' E$ .

46.88  $\frac{1}{4}$  cor.

W.P.  $20 S 87\frac{1}{2} E 11.55'$

North bet 17 & 18  $V 90^{\circ} 10' E$

40.00  $\frac{1}{4}$  cor.

Open 4 East-13

P. Dubock.



86

44-28

U.S. Notes

8400 Sec cor.

W. R 18 S 25 E 260

Tan 10 S 84 W 195

10 N 79 W 200

Rok 12 N 10 E 275

L. D. Cook.

Friday Sept. 23, 1921

Cisco takes John Davis &  
I to Love Place where I  
copy U.S. Field Notes.

Then go to Temp Cor to sec  
17-18-19-20 T44-R20 where  
we check on an old white  
pine post but is 100 ft. to  
far away. Then Run west  
along south line of sec 18,  
T44-28, 2 put on line

300, 600, 900, 1200, 1500

Old fence runs south. 1800

2100, 2400, Iron

drag tooth, 2640 E N & S.

Road. Dinner at Loves,

then back to <sup>Temp</sup> Cor to sec

17-18-19-20-T44-R28

where we Run East on Random

sect 17 & 20. Cut Line about

1/4 Mile and as it is 5:00 PM

Starts for Davis.

A. C. Love take us.

D. D. Daback.



88

# Board Sheet

## Boarding With Mrs. L. Harris.

	Sum	25	26	27	28	29	30	1
J. W. Curo				-	-	B	B	-
L. Babcock				SL	SL	SL	SL	-
L. Harris				B	-	B	-	B
A. C. Love				SL	SL	SL	SL	-
Harvey Love								

Oct. 1921.

	2	3	4	5	6	7	8
J. W. Curo	-	-	-	-	B	B	-
L. Babcock	-	-	SL	SL	SL	SL	-
L. Harris	DB	DB	DB	DB	B	-	B
A. C. Love	SL	SL	SL	SL	SL	SL	SL
Harvey Love	D	D	D	D	D	D	D

Oct 1921

	9	10	11	12	13	14	15
J. W. Curo	B	B	B	B	B	B	B
L. Babcock	SL	SL	SL	SL	SL	SL	SL
L. Harris	DB	DB	DB	B	B	B	B
A. C. Love	SL	SL	SL	SL	SL	SL	SL
Harvey Love							

70 meals @ 35¢  
25 Beds @ 20¢

Time Sheet Sept 1921/89  
Oct, 1921

	19	20	21	22	23	24	25	Nov
JW Cuso	-	-	-	10	-	-	-	
I. P. Babcock	-	-	-	10	9	9	-	
John Davis	-	-	-	10	9	9	-	
Geo Davis	-	-	-	10	9	9	-	
C. C. Love	-	-	-	10	1	9	-	
Harvey Love	-	-	-	10	-	9	-	
Geo Davis Mink.						5	-	
	26	27	28	29	30	Oct 1		
J.W. Cuso	-	9	10	10	9	-		
I. P. Babcock	9	8	10	10	9	-		
John Davis	9	9	10	10	9	-		
C. C. Love	9	9	10	10	9	-		
Geo Davis	9	8	10	10	9	-		
Harvey Love	9	8	10	10	9	-		
Love's Car.	9	8	10	10	9	-		
Cuso's Car.	-	9	10	10	9	-		



Saturday, Sept. 24, 1921

Starting temp cor to sea

17, 18, 19, 20, Chain East-  
300, 600, 883 hub. 900, 1200,  
1500, 1645 hub 1800, 2100,  
2219, 9 hub. 2400, 2586.8  
hub, then 83° 31' Right

2586.8 ~~83° 31'~~  
64.7

J. P. Babcock

44-28.

91

Saturday Sept. 24, 1921

Check up. Knutsons Cor and  
find Pt. set 5 U.S. Monument

@ N45E45, N45W45-

S45W45, S45E45 and

Center marked. 14-17-20.

As P.C. Love wants to get  
the hall ready for tonight  
we all quit. 5:00 P.M.

Get in 9 hours.

D. L. Debeck



Monday Sept 26, 1921

A.C. Love, Harvey Love,  
 Ed Davis, John Davis &  
 I, with Love's car, go to cor  
 to see 17, 18-19-20 where we  
 put in 5 U.S. Standard Monuments.  
 N45E, 45-etc. Thence to  $\frac{1}{4}$  cor.  
 bet 19+20 T44-28 where we set  
 points for 5 U.S. monuments dig two  
 holes, then to dinner at Love's.

P.M. Finish setting  $\frac{1}{4}$  bet 19+20  
 then go to cor to see 29, 30-31-32  
 T44-R28 where I set points for  
 5 U.S. Standard Monuments.

John Davis takes dinner with  
 John Crowell, then goes home to  
 get some dynamite for Crowell who  
 wants to blast some bluffs.

From hub. 5876-70 Run west  
 228.19 ft then South for intersec-  
 tion of line running North-  
 = 76.14 West of true cor.

A. Debeck.

Monday Sept. 26, 1921

From random line running  
East to sec. 30+31-29+32

the true line is 95.06 ft ~~2~~  
South.

D. Labuck



94

20

21

5263.5 US

5247.70 my cm 9

2656.5 US

2648.5 my ch

2623.85 2623.85 .00

1860 my 2  
1025.5  
1610.0

29

28

US  
2656.50

3432. US

32

33

Corrections. See page 32

95-

MC-S-1: SW corner Sec 21- 3130.50 my ch  
To Temp Hub 00. 3102.00 OS

we used road crossing  
for line on SW corner 21- 28.50 long  
11.90 N  
16.60

3102.00 OS =  
16.60

3128.60 my ch

3130.50

11.90

30

3130.50

3118.60

11.90

3118.60

00. goes 11.90 N and 0.30 W  
+ roads

Don't 29 Un

5263.50 OS =  
15.80 short =

5247.70 my chain

2656.5 OS =

28-29-32-33

Aspen 10S 11W 19 =

" 10N 4E 16 =

Birch 9N 6W 17 =

" 10S 60E 93 =



96

44-28

(20)

(21)

TRUCK

0.3

3118.6

5280.50

11.95

5292.45

5280.5

5292.45

5292.455

that incl  
52805

2823.15

8115.605

Note  
Page 117

8070.

3848

4152

66

27912

27912

2740.32

8070.32 05 =

8

8115.60. May 24 =

8020.32 05

95.28 Long in 8020.32

8020.32) 95.2800

80 2032

1507780

802032

7037480

6416256

641224

2740.32

5280.00

8020.32

1.01188

3256

6272

95.29

• 01188 of a foot long in each foot s.

= 62.73 Long in 5280

5280.

62.73

5342.73

2740.32

1188

2192256

2192256

2740.32

277032

32555.0016

5280.

1188

42240

42240

5280

5280

62.72640 long

2740.32

3255

2772.87



98

44-28

78.57

OK on 1. 282

20

29

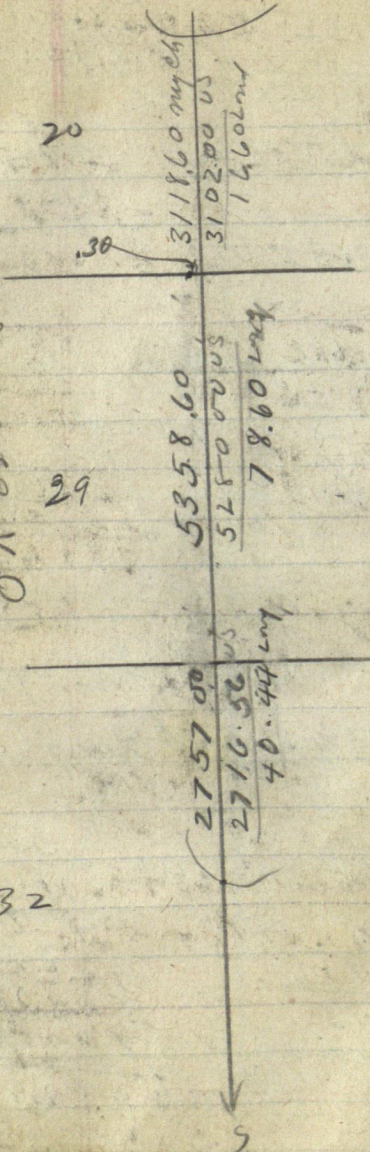
32

21

28

33

Nat. Pay 117



5342.73.

5292.45

50.28

99

Hub whol 5280.5" is 5342.73  
South and goes still further  
50.28 ft to 5342.73.5.

5280.00

2716.56

7996.56

8000

388x

4116

66

8115.60 may ch

7996.56<sup>05</sup>

119.04 long

2x.696

24696

2716.56

7996.56) 119.0400.

7996.56

3907.440.

3198624

7088160.

6397548

690612

1.01488

Correction = .01488 of a foot  
So for each foot 50

5280

1488

42240

42240

21120

5280

7856640



100

$$\begin{array}{r} 40.42 \\ 78.57 \\ \hline 118.99 \end{array}$$

$$\begin{array}{r} 2716.56 \\ 1488 \\ \hline \end{array}$$

$$\begin{array}{r} 119.04 \\ 118.99 \\ \hline .6 \end{array}$$

$$\begin{array}{r} 2173.248 \\ 2173.248 \\ 10866.24 \\ 2716.56 \\ \hline 40.4224128 \end{array}$$

$$\begin{array}{r} 40.42 \\ 2 \\ \hline 40.74 \\ 78.61 \\ \hline 105 \end{array}$$

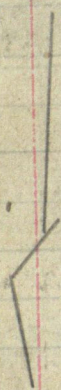
$$\begin{array}{r} 78.57 \\ 78.61 \\ 40.44 \\ \hline 119.04 \end{array}$$

$$\begin{array}{r} 468.48 \\ 241 \\ \hline \end{array}$$

$$\begin{array}{r} 223. \\ 77 \\ 200 \\ \hline 5280.00 \\ 78.60 \\ \hline 5358.60 \end{array}$$

$$\begin{array}{r} 2716.56 \\ 40.44 \\ \hline 2757.00 \end{array}$$

$$\begin{array}{r} 175 \\ 0 \\ \hline 528 \\ 241 \\ \hline 525 \\ 1205 \\ 482 \\ \hline 1205 \\ 126345 \end{array}$$



Correction Act

20-21-44-28

= 3102.00 US = 3118.60 my ch

= 16.60 long or .00535 ft  
foot long

2640 + 14.12 = 2654.12

462 + 12.48 = 464.48

OK. 3118.60

at 464.488

chain W. 0.05 - (1/2 inch about)

4 US water say

20-21 ar 8 N 3° W 365 = 240.9 ft

Turn 12 N 18 E 650 = 429.00 "

West True Line Bet 28-33-V 10°30'

2200 m.c.

Turn 8 N 84 E 380 =

Buck 655 E 150 =

2800 m.c. over lake

Buck 655 W 147 =

Turn 8 N 87 E 130 = OK.

4000 = 1/4

R Pine 12562 E 40 =

" " 24 N 15 E 28 =

over



102

44-28

US Nats

West lot 28-33 contd

4200 mt lake mc

Red Pine 12S 62E 40 =

R Pine 24 N 15E 28 =

5200 Over lake set mc.

WP 12N 30E 320 = 211.20 Ft

no other near

8000 cr 28-29-32-33

North lot 33-34 V 9° 41'E

700 Pond 1050 LV

1350 Pond 1950 LV pond

4000 = 1/4

Red Pine 10N 75W 10

" " 10S 45E 50

5700 sh swp 6000 LV

6800 Tam 7200 LV

7600 open marsh

8000 cr 27-28-33-34

Red Pine 15N 10W 250 = 165.00

BS 45W 350 = 231.00

"no" other

West line line lot 27-34 V 10° 16'

3975 = 1/4 Ash 10N 68E 70 =

Aspen 10S 43 1/2 W 70 =

5150 mc R Pine 15S 41E 548 = 361.68

Tam 8N 86W 269 = 177.54

6829 Over L set mc.

Fir 6S 27W 60° 31' Buck 9S 74E 18 = 11.88

7250 7950 To cr

103

Buy @  $\frac{1}{4}$  Cor = 00.

350- 382.9 Hunt: 600-900 mls

9 21.2 Hurb 1200 - 1500

1761.3 " 1800-2100

2168.65 Hub 2400-2700

2814.2 Hub.

Req @ 2814.2 E = 00. Continue

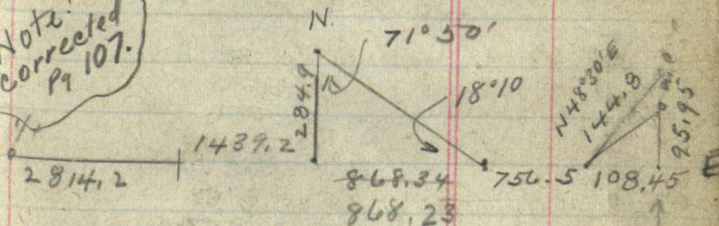
Ex 28-33

2814.2 Hub 0.0 548.7 Hub E

300-600- 900-1200

1439.2 Hub (see page 42) contd

Notes:  
corrected  
pg 107.



48°30'

$$\sin 74896 \times 144.8 =$$

108.45 日

Cor 66262 X 144.0

95, 95 w

2814, 20

1439. 20

868, 34

756. 50

108, 45

5986.69

Nit

changed.  
MC NOT used

5986.69 my ch

6088.50 US =

59 86. 69 may ch

101.81 short



106

300

$$\begin{array}{r} 400 \\ 45 \\ 300 \\ 255 \\ 45 \\ 201.5 \end{array}$$

$$\begin{array}{r} 300.1 \\ 216.8 \\ 83.2 \end{array}$$

Apt 29 1921

Curo and Con. Lone and Truck

Bat-Davis - also another Lone and Davis

Beg @ MC Chain I

South Pt 20-21.

300 - 301.30 Hub in hill 400 - 440

700 - 1000 - 1290.70 Hub 1300 - 1600

1900 - 2200 - 2500 - 2800 3100 + 18.8 =

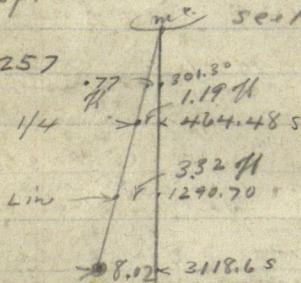
3118.80 E road E &amp; W Con.

W at 8.02 ft

call this 3118.60

m. sec P 101.

Tang = .00257



S. sec Con.

$$\begin{array}{r} 464.48 \\ 440.00 \\ 24.48 \end{array}$$

$$\begin{array}{r} 257 \\ 771 \end{array}$$

$$\begin{array}{r} 129 \\ 257 \\ 903 \\ 6.45 \end{array}$$

$$\begin{array}{r} 258 \\ 33.153 \end{array}$$

$$\begin{array}{r} 464 \\ 257 \\ 3068 \\ 2320 \\ 928 \\ 1190.68 \end{array}$$

@ 440.5 chain so 24.48 ft then W 1.19 ft  
to line to con

at Lone and JW Curo

107

check chain to lot 20-21.  
and look for old BTS @  $\frac{1}{4}$  cor point  
all gone. Establish  $\frac{1}{4}$  cor on far  
plate on page 106.

all 6 men like dinner with

P.M.

Bat crew go back to point, putting in  
TMS @  $\frac{1}{4}$  cor like Curo's cor

Curo and Lone walk  $\frac{1}{2}$  mile south  
then  $\frac{1}{2}$  mile west and lay @ 200  
 $\frac{1}{4}$  cor bet 29-32 check chain

East on Bat crew's random line  
good chain

@ 300-344 E. & old road N 20° E  
and S 20° W 382.9 Hubs 600.

855. & old good road to point N-S  
900. 921.2 Hubs 983. about crossed  
2. are fine NW-SE 1040 E.

End of marsh (dry) N-S.

1180 to SWNE 1200 Hubs 1500

So of marsh lake 150 ft wide runs N-E

500 Hubs @ 1500 E lake 30 ft x 4 wd bog

1761.30 Hubs 1800. 2100. 2168.65 Hubs

2400-2700. 2814.2 Hubs almost

on N-S random which crosses near this  
point

Reg @ Hubs 2814.2 = 00 continue

End of Bat

300-600-900-1200 + 239.3 = 1439.2 Hubs

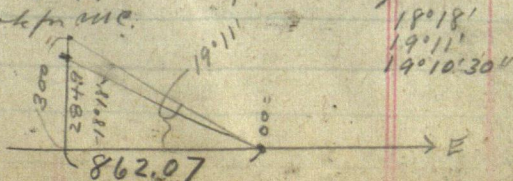
1500 - 1530 ends lake NE-SW

2814.20 +

1439.20 =

4253.40 Hubs for regularization (A)

Look for me.



276.8  
21.2



108

We take new triangulation of lake set upon  
Hub

See plot on p 107.

From Hub 00. =

chan

East on Bob's random

Q

random in field N-3

261.4 Hub

300.0 Lake 345 Ls field N 5.

358.0 Hub 600.0 Lake -154.5 Hub

754.5 on nets

At 754.50 E. MC nets N 48° 34' E?

Vol at 754.50 E reads 4° 15' E

Q unit for mile

Curro and Bob still with John Dours

-18° 18'

cat 33072 x 284.9 = 942.22

" 18° 18'  
cat 3.02372 x 284.9 = 861.46

cat. 287430 x 300 = 862.29

OK

862.0

19° 10' 30"  
cat 287565 x 300 = 862.69

861.46  
862.69  
2 1724.15 OK  
862.07

Sept 30-1921 Friday

Curo-Bab and Co

Doris Love and <sup>also</sup> Doris Love

Burns Crew with Al Love's Co

Reg @ Hub 754.5 E and continue East

on random line so subject  
@ 900 stake 951.7 Hub almost so  
1 Tan stump BT for West MC.

1063.5 Hub on sharp ridge

943. Curo old rotted line of  
3" fence post which was about 125  
ft northwesterly to second quarry stake

1200 stake 1366.5 Hub 1500

1550 enter small egg shape 6x10

rod lake longest 175

1700 LV stake 1800 stake 1804 LV west  
mark enter foot of big hill  
Then up steep round hill

2096.10 Hub on top of big hill

2100 stake 2400 2441.3 Hub 5:30

2400 + 200 = 2600 stake + 200 =

2800 Hub + 175 = 2975 E Hub

2900 Hub 2975 Hub 3100 + 150

3250 Hub E Birch Tree 3400 stake

3455 Hub 4525 enter alder swamp

3600 tall stake edge of water in

shaky bog west edge Barber Lake

150 ft N of road

At 2975 Hub Temp. Co. here ~ 4° 28' W

39.50 ft



at cor 27-28-33-34 ~~44~~ 28

US Naves call for (See pg 102)

Red pin 15N 10°W 250 Lks 16510 ft

" " 8 S 45 W 350 " 23100 ft

We find the call slab of no tree and stump  
 of low tree very plainly marked from  
 which we set the corner by flat chain  
 from face of trees after which  
 the SW line stands S 45° W and  
 the NW line N 25° 44' W  
 at 1° 30' 00"

$$\begin{aligned} \text{Total } 7936.50 \text{ Ft US} &= 8087.39 \text{ <sup>more</sup> ft} \\ &= 150.89 \text{ long} = .01901 \text{ long ok.} \end{aligned}$$

$$2656.5 \times \text{ } \times .01901 = 50.50$$

$$2656.5 + 50.50 = 2707.00 \text{ E}$$

Hub 2814.20 E goes West  
 107.2 to 2707.00 E then  
 N

Monday Oct 3, 1921

A. C. Love, Harvey Love, J. H. Laves  
Geo. Lavis & L. Start at hub.

2953.39 ar. 0.0 Chain south  
on Random Line 118.1 hub on  
top of hill 300, 600, 723.3 hub  
on Crown of Hill & 50. Enter E  
edge of Tan. Swamp. 900 1200  
1500, 1800, 2100, Leave Tan swamp  
2178.9 hub.

R. Ring & his brother show  
us the place where they flew  
out the Old W. P. B. T. which  
they had marked by driving a  
post of a Buggy Wheel in the ground  
from which I set corner. Then  
check on Old N. P. Stamp which  
checks for course & distance.

Then from Random line  
Runners E from corner to  
me 5-6-31-32 corner true  
E 36° 42' S 43.35 ft.

J. L. Babcock



Fred Trichlers

	6	0							
Cass	0								
Babcock	0								
Leavis	0								
Leavis	0								
Love	0								

Geo Smith

		12	13
J.W. Cuss	-	0	0
J.P. Babcock	✓	0	0
L.L. Lewis	✓	0	0
Geo. Lewis	✓	0	0
Harvey Love	✓	0	0
A.C. Love	✓	0	0

Wys.

Sullivan

Oct. 1921

Oct. 1921	7
J. W. Cuse	
L. P. Babcock	0
John Davis	0
Geo. Davis	0
Harvey Love	0
R. C. Love	

Time Sheet.  
Oct. 1921

Oct  $\rightarrow$  <sup>2</sup> 2, 3, 4, 5, 6, 7, 8, 1921

	1	2	3	4	5	6
J.W. Curo	-	7	-	10	9	4
I.P. Babwich	-	8	8	10	9	10
J.L. Harris	-	8	8	10	9	10
P.C. Love	-	8	8	10	-	-
J.L. Harris	-	8	8	10	9	10
Harvey Lou.	-	8	8	10	9	10
Louis Car	-	8	8	10	9	10
Curo's Car	-	-	-	5	9	-

Oct → 9 10 11 12 13 14 15, 1921

J. W. Curo,	-	-	-	10	10	10
I P Babcock	-	-	-	10	10	10
J L Davis.	-	-	-	10	10	10
A C Love.	-	-	-	10	10	10
Geo Davis.	-	-	-	10	10	10
Harry Love.	-	-	-	10	10	10
Loves car.	-	-	-	10	10	10
Loves car,	-	-	-	10	10	10

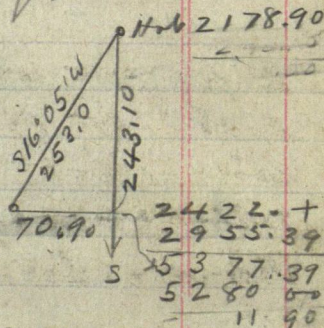


114

44228

Monday Oct 3, 1921 Clear  
 From Hub 2178.9 on  
 Random Line Running South  
 from Williams Lake 112 South  
 S 16°05' W 253.0 ft

seen



16°05'

Sine 27704 x 253 = 70.90

Cos 96086 x 253 = 243.10

10669.29

Hub 5280 S is really 5280 +  
 .50 also 11.9 = 5292.40

Hub 2700 S is 2700 + 11.9 = 2711.95

D. Babcock.

Tuesday Oct. 4, 1921

G. C. Love, J. S. Davis, Harvey  
Love, Geo. Davis, & D. Go to  $\frac{1}{4}$  sec.  
31-32-T44-28 where D.  
set points for 5 Iron Monuments.

2640 goes N to 41.42 thence  
E 38.07 ft. to be on a straight  
line with cor to sec 29-30, 31-32  
T44-R28, which sets 76.14 E of  
Random Line.

5292.40  
5377.40  

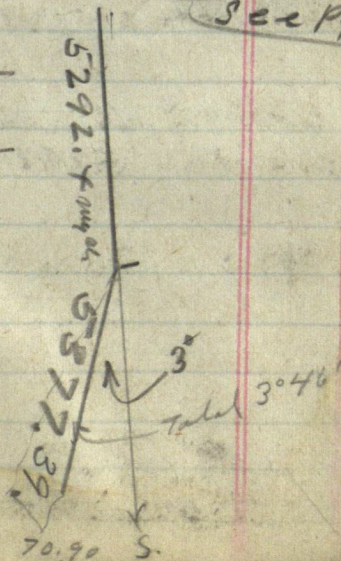
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10669.80  
10560  

---

Long 109.80

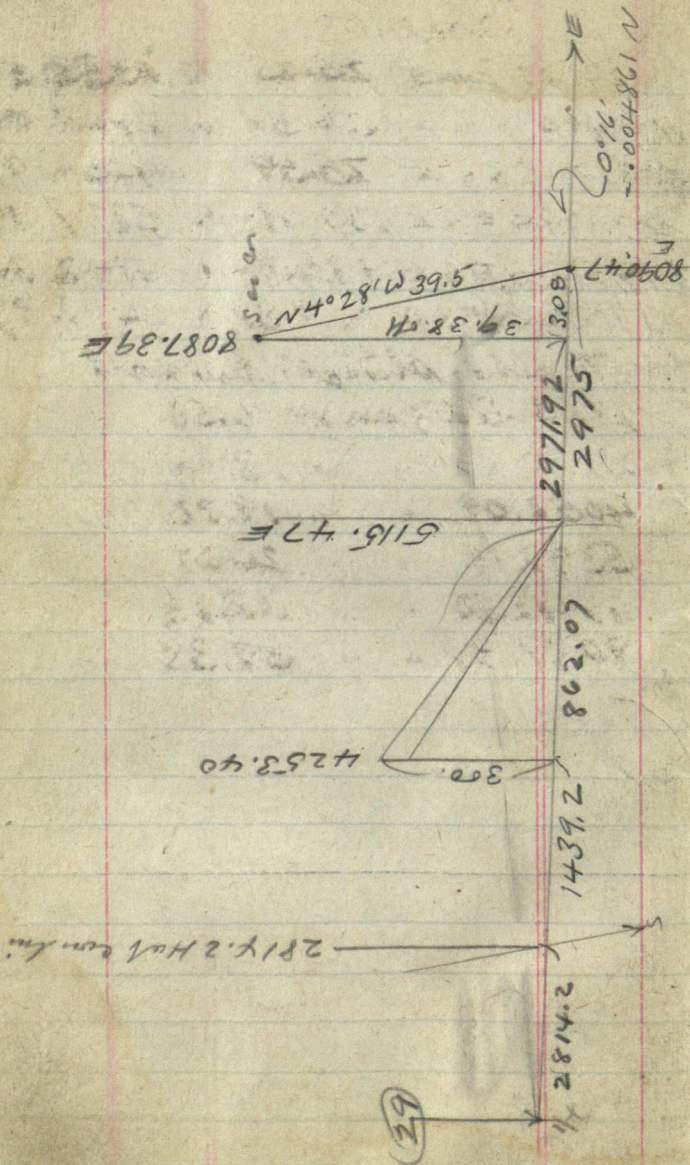
See Pg 65





110

44-28



44-28

Val Page 96-98

117

.01901E

1328.25 gain E 25.25 To 1353.50

2656.5 E " E 50.50 " 2707.00

3976.5 E " E 75.59 4052.09

5296.5 E " E 100.69 " 5397.19

6616.5 E " E 125.80 " 6742.30

7936.5 E " E 150.87 " 8087.37

To get on straight line E & W

1353.5 E gain N 6.58

2700 " " " 13.16

4052.09 " " 19.72

5397.19 " " 26.28

6742.30 " " 32.83

8087.37 " " 39.38



44-28

118. Correcting on L. N & S

Hub = 13.725 in each Foot

$$1320 + 13.72 = 1333.72 \text{ S } \checkmark$$

$$2640 + 27.45 = 2667.45 \text{ S } \checkmark$$

$$3960 + 41.17 = 4001.17 \text{ S } \checkmark$$

$$5280 + 54.90 = 5334.90 \text{ S } \text{OK}$$

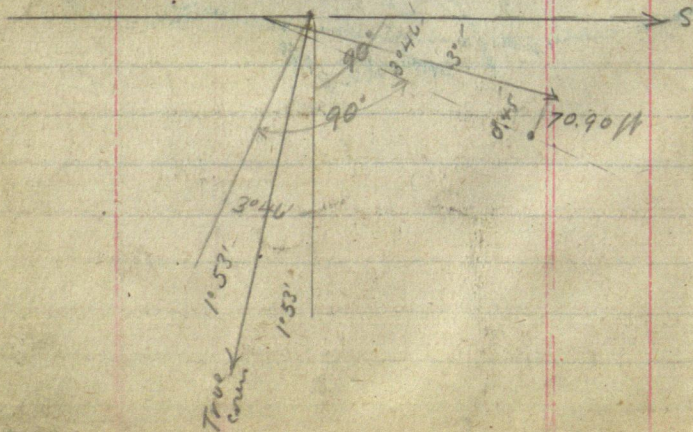
$$6600 + 68.62 = 6668.62 \text{ S } \checkmark$$

$$7920 + 82.35 = 8002.35 \text{ S } \checkmark$$

$$9240 + 96.07 = 9336.07 \text{ S } \checkmark$$

$$10560 + 109.80 = 10669.80 \text{ S } \checkmark$$

1320 S is 1331.9 " S 1.82 to 1333.72  
 2640 S is 2651.9 " S 15.55 to 2667.45  
 3960 " 3971.9 " 29.27 to 4001.17  
 5280 " 5292.4 " 42.50 to 5334.9



44-28

119

Wednesday Oct 5, 1921

G. C. Love, Harvey Love, Geo Davis  
John Davis & I go to cor to see  
45-32-33 T43-44-R28 where  
we set 5 U.S. Standard monuments  
then to  $\frac{1}{4}$  cor bet- 30-31-T44-  
R28, where we also set 5 U.S. Standard  
monuments.

420

Crow figgers all A.M. and  
part of P.M. then to Trichlers  
where we all walk  $\frac{1}{2}$  mile  
south to establish cor to see  
28-29-32-33. T44-R28

426



120

44-28

Set 5. Pins @ 45° - 45 dist 730' N

Oct 6-1921

Curo - & Cor. Bat. Davis At Lower C.  
with Hainly Low diving. Geo Davis

At Low goes to Brannin

John Davis at Curo - in one end

Bob and crew in another

Curo &amp; Davis put in Cor. 1.

28-29-32-33. 44-28 Set wood pegs

At 5334.95 Corner sets

N 88° 07' W 109.35

Var of random Looking N. reads 10° E

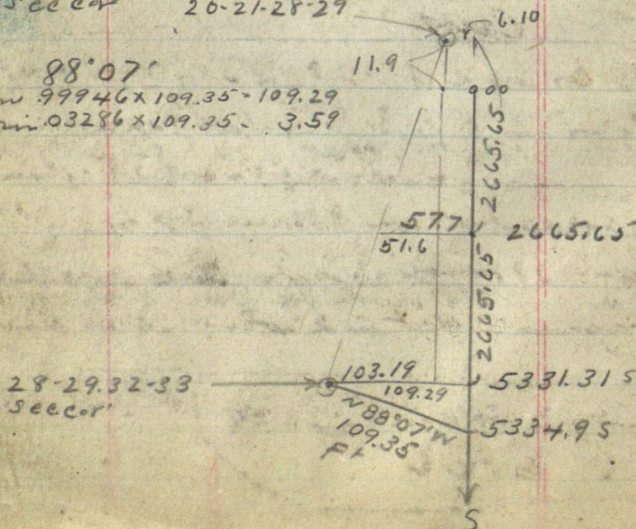
At 2707 E Cor sets N 0° 14' W

99.45 ft Var of random reads 5° 50' E  
Sec cor 20-21-28-29

88° 07'

Sin 99946 x 109.35 = 109.29

Cor. 03286 x 109.35 = 3.59



44-28

121

To put in  $\frac{1}{4}$  Bet 28-29-44-28

Hub 2665.65 S. is really 2665.65  
plus 11.9 = 2677.55 S. (See pg 31)

Hub 2789.40 S. is 2801.3 S. and  
goes N 135.65 To 2665.655 Then

@ 90° To random run W 51.6 plus  
6.10 = 57.70 where we flood

True  $\frac{1}{4}$  Cor Bet 28-29

-  $\frac{1}{4}$  Cor is 52.8 ft W of road cen  
9 ft N of fence running about N 80° E

Random Hub 2665.65 is 15. ft N of  
opoint in line with fence running westerly  
and 24. ft S of apt in line with  
fence running easterly

Cuso

@ Cor to see 27-28-33-34, T44N28

I put in 5 U.S. Standard monuments  
N 45 E 45 etc. W or S° E. Then to cor  
to see 28-29-32-33 T44N28 where  
Cuso has put in 5 Pines for U.S. Stand-  
ard monuments. Then to bet 28+29  
T44-N28 where I help Cuso establish  
cor and set points for 5 U.S. Standard  
monuments get in 2 where it is time  
to put.

Cuso goes to Bod. Babcock  
@ 6:00



Friday Oct. 7, 1921

Harvey Love with Car Takes

John + Geo Davis + I to 44-28  
28 + 29 where we finish setting  
5 U.S. Standard Monuments. then  
to SW cor of sec 3 T44-R28  
where I find Cuso's Hub then  
go one (1) mile E where I  
find another of Cuso's hub  
for the cor. to Sec 2, 3, 10 + 11  
T44-R28 where establish  
points for 5 monuments.  
Thence to NE cor of sec 3  
where I find Harold Cuso's  
cor set in 1918 when he  
surveyed Sec 3 T44 R28  
have quite a time finding  
this cor as a fire went  
through and burnt all  
stakes on all boundary lines,  
set 5 points for U. S. Standard  
monuments. home @ 6:30

J. P. Babcock

44-28.

123

Saturday Oct. 8, 1921

Harvey Low with car takes  
John Davis & I to 1/2, lot 3-4  
T44 R 28. where we look for  
bearings but do not find  
any. Hence, to car to see  
where I establish points for  
5 U.S. Standard monuments.  
then home at 1:30 P.M.

Geo Davis slips potatoes for  
John Davis. as it is trying  
to snow but turns into rain

426 →

JP Babcock.



124

44-28.

420

Tuesday Oct 11, 1921

A.C. Love with truck packed  
Harry Love John + Geo Davis  
+ I with 25 monuments +  
tools to Co Sec 23-10-11 T44-R28  
where I have previously set  
point for five monuments  
take us all forenoon to set  
2 of them to Geo Smiths for  
dinner finish corner then  
go 1 mile west where I also  
have points set for Co to  
Sec 3-4-9-10 T44 R28 where  
we put in 4 U.S. Standard  
monuments. will finish Co in morning  
tried to call Cuss but  
could not get him must  
have been on the road out  
here or was not back from  
up north. Cuss arrives @ 6:30  
P.M.

D. Babcock

Wednesday Oct. 12, 1921

John W Curo with John Davis &  
 I go to Love's mill - C. Love & Son also  
 Geo Davis who go with Loves truck  
 to cor to sec 3-4-9-10 T44 R 28  
 where we finish setting the Sec  
 cor there John Davis & Curo Love  
 C Love & Son Geo Davis & I to Chain  
 East along Road to Brew Co Road  
 in order to establish  $\frac{1}{4}$  cor bet 3-10  
 T44-28 which the State grubbed out  
 the bearing trees in construction  
 of said Road. Chain East 300,  
 600, 900, 1200, 1500, 1800, 2100,  
 2400, 2640, 2700, 3000, 3300,  
 3470.10 to Hub set by Harold  
 J Curo in Aug, 1918 with  $\pi$  on line  
 @ 2640 turn N.  $35^{\circ}30'$  East turn  
 22.2 ft find true  $\frac{1}{4}$  cor from  
 which we set points for 5 U.S.  
 Standard monuments. N45°E 94 ft.  
 out side of Curve in Co. Road  
 the rest set - N45°W 45 etc.



Wednesday Oct. 12, 1921

Then Curo, A. C. Love & John Davis  
with Curo's Car go East to do  
some work while Harvey Love  
& I finish setting  $\frac{1}{4}$   
Cor bet 3+10 T44-28.  
Quit 5.20 P.M.

Home @ 7:00 P.M.

Curo - Love - Davis.

Pick up Bert Scott who  
shows us about where Murphy  
runs his road near the

$\frac{1}{4}$  Cor bet 11-12. 44-28.

Bert claims the  $\frac{1}{4}$  was near fork.

Rough chain from where Bert  
says a straight corner we ch

West @ 356 w. external of  
curve of state road - (about)  
at 380. w a point where  
old man Scott claims the  
corner stood. Bert tries to  
show us cor 11-12-13-14.

also con't- 1-2-11-12 where 127  
Bert says he buried an iron at  
M.C. on Co Line, East side  
See 1-44-28 and on So side  
Lake

US Notes say:

@ 2582 S to lake Set M.C.

Blk Oak 7 N 89° W 30 Lts =

Red Pine 125 69 E 60 " = 39.60 FT

Nels Francis shows up the  
Pine like standing green plainly  
marked from which we set a 2"

Hut and lock. turned from  
Looking north a mile to a old fence  
(about) which Francis says is  
on line Var reads 9° E

New B.T.S.

Oak 12 N 82° 13' W 63.45 FT

VP 27 S 55° 55' W 61.75

Oak 15 S 19° 12' E 53.48 (in Aitkin Co)

also Hut S 45° W 45 and 45° to 45 ft



128

Oct 13-1921

John Davis with Curo<sup>4</sup> and Co in one Curo  
Babcock with Albion and crew in Lous  
Lynch

Curo and Davis go to  $1/4$  bet 3-34  
Pat T 44-45 N R 28 W

Locals Co from Curo's old notes  
BTS check Perfect we set 5. from  
3/4 X 9' V by & NTS slate Road

after four N 45° E 45. same NW  
SW and SE U 7° Tunnel for line  
E & W.

But crew put in 5. Standard  
US Mon N-3 and 4 combinations  
at Co to 2-3-34-35- T 44-45 N  
R 28 W. set all from 45 ft and  
45 ft out in mound.

all 6. take down with  
Smith PR.

A.C. Love - Harry Love, Geo Davis & I  
with Love truck go Co to see 3-4  
33-34 T 44-R 28 where we put in 5 US.  
Standard monuments, -

Curo & H. Davis in another crew

Oct 14-1921

all go to car near 21-22-27-28  
where US rails call for slake and

West end stump of NE and SW trees  
dist bet 0.40 of a foot too long  
set pt by proportion

old BTS head

$\sim 67^{\circ} 40' E$

S  $74^{\circ} 45' W$

Corsets in  $\angle$  EXW Road V road  $5^{\circ} 30' E$

New BTS set lat mark vis

6" Elm N  $83^{\circ} 29' W$  125.3 Ft

5" Spr S  $59^{\circ} 10' E$  35.00 Ft

For  $5^{\circ} 30'$  Turned from  $\angle$  road  
Looking West

But & Crew set 5 INTS.  
 $45^{\circ}$  off and 45 ft out

Crossed John Davis drive  
10 or 15 miles via Dykeman  
to car

1-2-11-12-44-28

Use  $\angle$  12" ditcher EXS-33 ft  
apart measured in several  
places also  $\angle$  graded top of  
road 10 ft wide

Interest trees  $\angle$  of road from  
S and from East set INT.

1 1/4 x 22" solid iron bolt  
run



130

left 3 inches above ground  
view BTS vj

Paplar 8 N  $25^{\circ}36'E$  213.20. Ft

Tam stump N  $19^{\circ}20'W$  30.13 "

skd  $2\frac{1}{2} \times 36$  inch flat on one side

S  $69^{\circ}30'W$  23.10 Ft 16 flat side

Tam stp 8 S  $36^{\circ}45'E$  235.25 ft

16 flat spot at base of all

Meridian looking South  
along E of road at E edge  
of two small Spruce trees  
about 80 rods South

Var near  $2^{\circ}30'E$  about

S E angle of woods road  $96^{\circ}$

On rd 33.3 S - of fence

22.2 E of fence and 30.0 N of

line of old fence posts leading  
East

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132

27-28-33-34

28-29-32-33-28

29-30-31-32-13-21-

Twiplin

Solid-1-11-

W " 3

N "

E "

$\frac{1}{4}$  Corn 10-13-22

$\frac{1}{4}$ -

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{4}$

$\frac{1}{4}$

MC.-28-

US Mail

44-28 - S. line 133

West lot 1-36  $\checkmark$  12.6 E

3900 Ent Tam & Oak Sup NW

40.00 set 1/4

Tam 10 S 28 E 71 =

Buck 8 N 14 W 7 =

4700 L & sup

5927 Pond

6700 L & Pond

7750 Tam

8000 - 1-2-35-36

43-44-28

Tam 12 N 35 E 36 = 23.76

" 7 N 8 W 28 = 18.48

" 6 S 8 W 11 = 17.26

" 8 S 25 E 35 = 23.10

Twp Cor 43-44-27-28

Sugar 16 S 26 W 29

Blk Oak 6 N 35 W 63

Asp 12 N 34 E 5 =

B Oak 6 S 53 E 27 =



44-28 East line

134 North bet 1-36 -  $\sqrt{12.30}$

3600 ent dry bottom

38 Ent line sup NE

4000  $\frac{1}{4}$  Tam 8 S 2 W 71 = 46.86

B.O. 14 N 78 E 68 = 44.88

4050 Tam Sup NW

43,22 = 2640. + 212.52 = 2852.52

Ent Mill Loos Lake Set MC.

B O 12 S 21 W 57

W P 24 S 13 E 34 =

44-28

Nor Bet 35-36 d 8° 51'

650 Lv Tam E W

1900 Ent Tam NE SW

3300 Lv

4000 =  $\frac{1}{4}$

Tam 10 N 27 W 12 = 7.92

" 10 West 2 = 1.32

4300 = MC.

Tam 8 S 47 W 83 =

Apr 9 S 21 E 96 =

5850 =

One Lake

Mc Birch 8 N 21 W 60

No other

44-28

135

8000-25-26-35-36

ark 8S 4 1/2 E 38-25.08

" 8S 5W 49-32.34

Birch 6N 40 W 53 = 34.98

E. bet 25-36 ✓ 10° 15'

2500 L. Asp. NWSE

3053 = 2014.98

Miller Lake

Lake ME.

Bass 18S 22W 29 = 19.14

WO. 18N 24W 30 = 19.80

West Bet 26-35 ✓ 10° 20'

926 =

ME.

Birch 8N 25 1/2 E 10 = 4.60

WP 18S 58 1/2 E 70 =

3520 =

Over

Maple 10N 85W 52

Walnut 12N 17 1/2 E 55 =

3975 = 1/4

Asp 58 43 1/2 W 18

" 5N 55E 20



136

<u>49</u>	38
294	228
<u>228</u>	228
32.34	25.08

7-8-17-18-44-28

WP 18S 25E 260 = 171.60

Tam 10 S 84 W 195 = 128.70

" 10 N 79 W 200 = 132.00

Ark 12 N 10 E 275 = 181.50

140

1	JW Curo	234 50
2	IRB.	372 00
3	AC Loe	
4	JL Davis	179 00
5	Horng Lone	94 50
6	Geo Davis	82 25
7	Mrs JL Davis	82 25
8	Tom Dykema	52 25
9	JM Crowell	1 40
10	Fred Treichler	1 75
11	Mrs AC Loe	11 90
12	Mrs Geo Smith	5 60
13	Mrs Sullivan	5 95
14	Bergman & Son	1 40
15	And Gladi Bank	4 20
16	Ralph Hall	166 00
		5 00
		<hr/>
		1399 95

Left 21- ololing  
 14 Korum  
 25 Left at Loner



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2

3

256.7  
43.3

Elmer Crowell  
Gay Crowell  
J. M. Crowell

3000.0  
231.8  
68.2

2100.0  
68.2  
2168.2

300  
185  
115  
270  
2815

1200 + 239.3 Hal

2814.2 +  
1439.2  
4253.4

320  
66  
192  
192  
211.2

18° 18'

19° 11' - 19° 10' 30"

3000.0  
248.3  
351.7

6000.0  
241.2  
358.8 Hal

3000.0  
38.6  
281.4 Hal

350  
210  
210  
281

296.10  
1800  
2096.10

Arthur Crowell  
Ernest Persson



68

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MINING  
TRANSIT BOOK  
363

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35 to 45.

49 to 56.

57 to 64.



1.

140-25

Record # 48

Dec 27 1915

Copy notes & leave  
for Skovel Lake Minn.

R.R. fare 49cts Bus. 25cts

I stay at Endion Hotel Cass Lake

Dec. 28. 1915:

Hotel expense \$1.00

Frost bar made at blacksmith \$1.50

R.R. fare to Skovel Lake \$1.11

dinner at Skovel Lake 0.50

I go to J. L. Richards for night

Dec. 29. 1915

J. L. Richard is not at home so I  
walk to Moose river to see him  
about surveying Smoky Hollow  
Cemetery. some one has taken  
the deed from the Clerks office  
and the Clerk sends to Walker for  
a copy

(P.M.) Corbin Young (Town Clerk) and  
I go to Skovel Lake after survey  
tools via OX sleigh  
I board at J. L. Richards

Elmer B. Horst.



140-25

2

Dec. - 30 - 1915

I take U.S. Notes Compass Chain and  
axe, also dinner and canoe for Govt  
corners at M.C. No 3 B.T. green and plainly  
marked

M.C. No. 6 all gone from here I go W to  
1/4 cor cor between 11-14. where I find  
W. Pine. B.T. still standing I take  
New B.T. as follows.

Balsam 5 S  $32^{\circ}30'E$  6.6 ft

Fir N  $5^{\circ}E$  33.5 ft.

I continue W to cor of Sec 10-11-14-15  
Where I find no B.T. or Post but I  
find a line tree and go S at 8.30 Var  
No. B.T. at 1/4 cor continue S at sec cor  
of 14-15-22-23 I find 1 Tam B.T.  
still standing I set cor from  
this tree and take New B.T.s as follows

Dead Tam 10 N  $16^{\circ}W$  - 6.4 ft.

Spruce 8 N  $62^{\circ}E$  - 45 ft.

Dead tam 8 S  $40^{\circ}W$  - 14.8 ft.

Spruce 5 S  $52^{\circ}E$  15.7 ft.

trees all loaded with snow  
nearly all spruce swamp and full of  
windfalls. Travel very slow

E. B. Hart



3.

140-25.  
Dec. 31. 1915. Friday

Breakfast at J. B. Richards 7:30"

I take Survey Compass 100 ft Chain  
note & Plat books and lunch and  
go to cor of Sec 14-15-22-23 run S  
one mile. var  $8^{\circ}30'$ . I find cruisers  
cor Post and old line tree but no B.T.U.S. notes call for Tam.  $8N.78W.7$ " "  $5N.32E.9$ " "  $8S.40\frac{1}{2}W.5$ " "  $6S.62E.19$ I continue S at same var. one mi  
to cor of 26-27-34-35U.S. Notes call for W.P.  $12N.54E.18$ ." " Tam  $10S.73E.34$ ." " Tam  $10N.9W.16$ " " Fir  $3S.42\frac{1}{2}W.19$ find nothing but some blazed  
treeshere I turn W at  $8^{\circ}30'$  var go  $W.1$  mile  
to cor of 27-28-33-34 no B.T.s but  
very heavy brush and windfalls  
from this cor I go  $N.45^{\circ}W$  to locate  
McLaughlin's House where I stay  
over night

Elmer B. Horst



Sat. January 1st 1916.

Superior nights lodging & breakfast  
at McLaughlin's farm. I take Mr  
McLaughlin along to show some B.T.  
at cor of 28-29-32-33 but find nothing  
to establish a cor. from.

We then go N. 1 mile to cor of 20-21-28-29  
and find 1 B.T. Still standing not very  
many marks left.

U.S. Note Black oak 12 N 53 3/4 W 39

B Oak 8 S 53 W 29

Maple 5 N 20 E 14

Linch 10 S 28 E 42

from Black Oak 12 N 53 3/4 W 39 I set  
Post for cor and take New B.T.s  
(20-21-28-29)

Bass wood 10 N 24 E 31. ft.

W.P. Stump 18 N 67 30' W 44.1 ft.

Maple 5 S 46 30' W 56.2 ft.

W.P. Stump 30 S 62 30' E 58. ft.

We go to McLaughlin's for dinner. 2 P.M.

I pay for meals + bed. and \$1.00

and 1/2 day for McLaughlin 1.00

P.M. I go to cor of 21-22-27-28 but find  
nothing it is snowing fast and I  
return to J.F. Richards.

E.B. Horst.



140-26-

Jan'y 2nd 1916  
snowing. a balmy N.E.  
Wind. I stay at Richards. work  
all day on notes

January 3rd 1916 at G. F. Richards  
I go to  $\frac{1}{4}$  cor on S side of  
Sec 12 and pass E  $\frac{1}{2}$  mile to  
locate S.E. cor of 12 but every  
thing is burned up there  
I return to house and work on notes

E. B. Frost



Tuesday January 4th 1916

I take Compass Chain etc & lunch  
and go to cor of 13-14-23-24 where  
U.S. Notes call for

Aspen 10 S 19 E 31

W.P. 8 N 70 W 5

" " 5 N 78 E 40

W.P. 8 S 76 W 10

but find nothing

I continue S 8.30' var 1 mile to cor  
23-24-25-26 where U.S. Notes call for

W Birch. 18 N 49 E 14.

Aspen. 4 S 11 E 9.

Fir. 4 N 40 W 12.

Aspen. 5 S 38 W 14.

all these were grubbed out in  
building a road.

I continue S at same var to next  
cor 25-26-35-36 where U.S. notes  
call for 1 Fir and 3 Cedar B.T.s  
cor is in cedar swamp, in slashings  
but I cannot find anything a lumber  
man shows me where it was but  
we can't find it. I then go W 1 mile  
with a teamster who shows me a  
cruiser cor at cor of sec 26-27-34-35.

E. B. Horst.



7

140 - 25

continued.

Tuesday January 4. 1916

Here I find a W.P. Stump plainly  
marked U.S. Notes call for

W.P. 12 N 54 E 18

Tam. 10 S 73 E 34

" 10 N 9 W 16

Fir. 3 S 42½ W 19

I find W.P. and Tam 10 S 73 E 34

plainly marked but laying flat

I set cor. Post 4x4 and take New  
B.T.s as follows

W.P. line 12 N 8° W 32.4 ft.

W.P. Stump. 20 N 53° E 10.5 ft.

Cedar. 10 S 71° W 25. ft.

Balsam. 8 S 61° E 27. ft.

I stay at Renie Middendorp's  
Lumber camp for the night

E.B. Horst



Wednesday, Jan. 5, 1916.

U pay Mrs. R. Middendorp for supper, Bunk & breakfast \$0.50 and return to J. F. Richards place in a blinding snowstorm.

P.M. The deed having arrived by mail from Walker, for the Lake View Cemetery and the weather has cleared up so I take transit and out fit and go to M.C. No. 5 on W. Bdry of Sec 11-140-25 to resurvey cemetery.

Cemetery was surveyed by O. Hara of Aitken Co. but not located according to deed. I rechain lots and walks and rerun boundaries Corbin Young assisting.  
Edmund B. Horst



9

140-25

Thursday Jan 6th 1916.

Horst transit

Corbin young ave &amp; Chain

We go to  $\frac{1}{4}$  cor between Sec. 11-12

Where U.S. notes call for

Spruce, 6. N 46 W. 10.

Aspen, 4 N 62 E 4.

We find no such trees here

The Swp has notes which were  
 copied and sent from U.S. land office  
 which call for an Oak 8 N 30 W 52  
 We find the Oak plainly marked  
 and establish cor from this and take  
 New B.T. Oak 8 N 30 W 34.3 ft.

Balsam 8 N 34° 30' E 65.8 ft.

Run line 5 on graded line to M.C. No 5.

Previously established from

W.P. Stump 18 N 5 W 25 Plainly marked  
 course of this line N at 9° 30' var.

Chainage to to M.C. 1166.4 ft

I set Wit cor N 16.4 ft. M.C. being in lake  
 bed for Cemetery calls for Cem.  
 to start at M.C. No 5 Run W 33 ft to  
 a starting point, thence 24 rods N,  
 Thence 16 Rods W, thence 18 rods S to lake  
 shore, thence Meander on lake shore

E.B. Horst.



January. 6. 1916. Continued.

South  $50^{\circ}E$  4 rods

thence  $S.70^{\circ}E$  6 rods

thence  $S.75^{\circ}E$  6 rods and 10 links to  
Point of beginning.

The Cemetery has been surveyed as  
follows

from M.C. No 5 Run  $N.47^{\circ}45'W$  44.7 ft  
to starting point balance of description  
same as above.

at at 16.4 ft N of M.C. No 5 I set 1 in  
by 18 in iron pin for a witness to M.C.  
at S.E. Cor of Cemetery I also set 1x18 in  
iron pin for Cem Corner.

this leaves 33 ft along E Side of Cem  
for road

Jury Board prefers changing  
the deed in preference to restaking  
the Cemetery. diagram page 12.

E.B. Horst.



Time sheet for Lakeview Cemetery

Dec 27 28 29 30 31.

Jan 1 2 3 4 5 6 7 8 9 10

Edmund B. Frost

11

Corbin Young

hymns

$\frac{1}{2}$

Sunday

1915

B. B. Horst,  
Bard at J. A. Richards while working on cemetery.

due

人  
也

Breakfast	dinner	supper	bedding
-----------	--------	--------	---------

X

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1916 Jan 5

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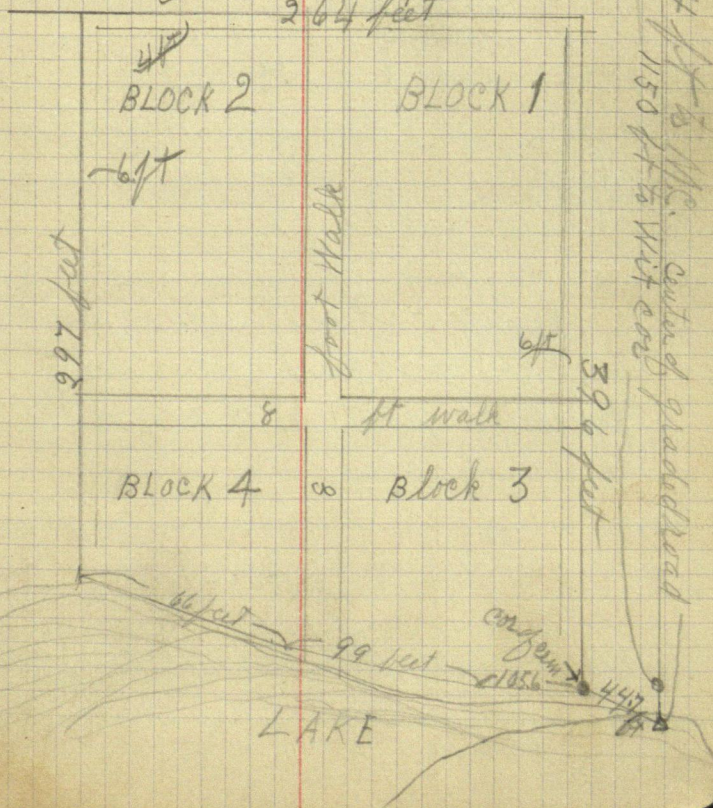


## LAKEVIEW CEMETARY

140-25

Smoky Hollow Twp.

264 feet





13.

Friday, January 7th 1916.

Clear cold day snow 14 in deep  
I take Compass chain ax and notes  
and go to Cor of SEC 9-10-15-16  
and look for B.T. U.S. Notes call for  
4 tamarack B.T.s they have all been  
destroyed and it is a dense spruce swamp  
I then go W to cor of 8-9-16-17. where notes  
call for cor in a small pond and B.T.  
as follows. W.P. 8 N 20 W. 140

Fir 3 N 5 E. 148

Buck 4 S 42 W 40

Tam 3 S 27½ E 32

all gone so I continue W another  
mile to cor of 7-8-17-18. notes call for

Spruce 4 N 38 W 9

" " 10 N 38 E 12

" " 4 S 69 W 21

" " 5 S 65½ E 7

Can find no trace of any B.T.s here

Elmer B. Frost.



Saturday Jan. 8. 1916.

A.M. I go to meeting of Smoky Hollow Town Board to present the location of Cemetery surveyed by me according to their orders but not according to requirements of their deed. They bring up the question and decide to have the deed changed to read Commencing at N.C. No. 5 and run North  $47^{\circ}45'$  W 44.7 feet, instead of reading run W 33 feet. to place of beginning.  
P.M. I draw a plat of the cemetery for the Twp Board to use in selling and locating the lots.

Sunday Jan 9. 1916

dark and cloudy with a drizzling rain and an occasional snow flurry

I stay at J. F. Richards all day.

Elmer B. Storst.



15.

140-25.

Monday, January 10, 1916.

am I go to Silver Lake for the  
mail but get none I return  
to J. F. Richards and take compass  
Chain & axe and go to McLaughlin's place  
for the night

Tuesday Jan-11-1916

I pay for supper bed & breakfast  
Charges \$0.75 cts from here I go to  
cor of Sec 17-18-19-20 where U.S. notes  
call for B.T.s as follows

W. Birch 12 N  $57\frac{1}{2}^{\circ}$  E 11.W. Pine 10 N  $29\frac{1}{2}^{\circ}$  W 43.W.P. ... 8 S  $20^{\circ}$  W 33W.P. ... 5 S  $32\frac{1}{2}^{\circ}$  E 16

I find W. Birch still standing and W. Pine  
10 N  $29\frac{1}{2}^{\circ}$  W 43 the stump remains, plainly  
marked. (I take dinner with M. Cochran 25 cts.)  
I establish cor from these B.T. and  
take New B.T.s as follows.

W. Pine 8 N  $4^{\circ}$  E 46.8 feet.Birch 12 N  $45^{\circ}$  W 34.6 feet.W. Pine 8 S  $34^{\circ}$  W 24 feet.W. Pine 8 S  $32^{\circ}$  E 45.6 feet.I go 1 mile South var  $8^{\circ}30'$  to cor



Continued 140-25-

16.

Tuesday January 11-1916.

of Sec. 19-20-29-30 on W side of small lake in dense spruce swamp but can find no B.T. so I continue South another mile at same rate crossing country of swamps and windfalls snow knee deep I arrive at Emil Bakers Farm house at dark where I stay all night  
E. L. H. B. H. H. H.

Wednesday January 12-1916

The day dawns with a terrific N.E. wind blowing and driving blinding gusts of snow with it. Temperature  $38^{\circ}$  below zero.

I am still at Emil Bakers house.  
P.M. go about 20 rods N.W. of Bakers house to a post set by Martin Watson for the cor. of Sec. 29-30-31-32 where U.S. notes call for N. Pine 10 S  $9^{\circ}$  W 100  
W. Pine 10 S  $19^{\circ}$  E 235  
N. Pine 14 N  $84\frac{1}{2}$  W —

B.T.s are all burned to the ground  
I stay at Emil Bakers again for the night



17. 140-254/139-25

Thursday, January 13, 1916.

I go to stake set by Cruiser at cor'd 29-303132  
and go S one mile to Twp line of 140-25  
and 139-25. Sections 31-32 and Sec 5-6

Where U.S. Notes call for

Y. Pine 8 N 40° W 63

Y. Pine 10 N 18° E 504

W. Pine 8 S 3½ E 600

Y. Pine 10 S 67 W 81

Cor supposed to be in West side of small  
swamp country all burned over and  
no B.T. can be found

I continue South between 5+6 var. 7°35'  
to cor'd 5-6-7-8 Where U.S. Notes call for 4 tam  
B.T. in tam swamp trees all down and  
burned up or decayed

I continue S at same var. between 7+8  
country all burned over no timber standing  
at cor'd 7-8-17-18 Notes call for 3 maple and  
a double ash, B.T. no timber of any kind here  
and stumps all burned low. It is nearly dark  
and I see a house to S.W. where I go for the  
night. I. F. Chenvert, Twp. Clerk,

{ Paid Amiel Baker for board and bed while  
there \$1.50

E. Linn B. Horst



Saturday, January 15, 1916.

I intended to start Sat cor of sections 16-17-20-21 which is in a cedar swamp. but I can't get in to where cor is on account of down timber and large piles of slashings. Cor of 8-9-16-17 is also in same swamp and I can't get to it.

I go to cor of 4-5-8-9 which is on north side of a ravine country is very rough timber all destroyed by fire and a dense growth of Popple and Oak brush have grown up. can find no B.T. or Cor here.

I go north at 730' var but it gets dark before I reach cor of 4-5-32-33-139-25 and 140-25 on N side of 139-25.

from vicinity of this cor I go N 22° E nearly, to reach McLaughlins for the night where I stay till Sunday morning.

I Paid L.F. Chemvert \$2.00 for board and lodging.

C.B. Horst



140-25

20

Sunday, January, 16, 1916.

I pay McLaughlin \$0.75 cts and  
start for Shovel Lake (at cor of  
21-22-27-28) I find a B.T. where U.S.  
notes call for, (on Imp road)

W. Pine 6 N 5° W 43 - Fir 5 N 32½° E 44

Fir 4 S 34° E 65

I find Fir N 32½° E 44 plainly  
marked and W. Pine 6 N 5° W 43 stump  
slightly marked from here I establish  
cor and take following New B.T.s

W. Pine 5 N 29° E 59.4 feet.

W. Pine 8 N 20° W 83 feet.

Tam. 3 S 40° E 30.8 feet.

Tam. 4 S 75° W 85.5 feet.

Reach Shovel Lake at 2 P.M.

Lunch at Restaurant 0.25 cts

at P. Office I get letter from Curo  
to go to Remer. No trains till <sup>Enclausd No.</sup>  
Monday P.M.

I go to Corbin Young's to see if he  
will deliver survey tools at Shovel  
Lake. I stay at Ratcliff Hotel overnight

Record No. 782  
E. B. No. 782



139-25-

18.

Friday Jan. 14 1916

I go to Cor of Sec 17-18-19-20 where U.S. Notes  
Call for 3 tamarack B.T.s and Jewett  
plot shows Cor to be in or very near  
a small creek but fires have destroyed  
nearly all timber. I can find no B.T.  
a Mr. Meeham living near by thinks  
he can find the Cor. we return to  
the place again but can not locate  
anything.

I remain at L.F. Chenverts again  
for the night as there are no settlers  
on my way back

E.B. Horst.



143-26.

Monday January 17. 1916.

Hotel bill at Shovel Lake \$1.25

I go to J. F. Richards to help Young  
get baggage. (dinner at Richards \$.25)

at 2.40 I take train to Remer

R.R. fare \$.27

at Remer I stay at Remer Hotel  
and wait for Curo

Tuesday, January 18- 1916.

Curo comes from Walker to  
Remer on 11-40 train with  
notes and information for me  
to make a resurvey of county  
road for John Bebow.I go out to John Bebow's  
place with his teamster

E. B. Horst.



143-26.

22

Wednesday, January 19, 1916.

Horst transit.

Andrew Nelson flag & chain.

We go to cor of 27-28-33-34

checking cor with B.T.s find it to be  
O.K. also find part of old post.

We chain E one mile 5280 feet

here line deflects to the  $N 25^{\circ} 45'$   
from stake at 5280 we chain to  
see cor 211 ft

$211 \text{ ft} \times \cosine \text{ of } 25^{\circ} 45' = 190.04 \text{ feet}$

$5280 + 190.04 = 5470.04 \text{ ft}$

$211 \text{ ft} \times \sin \text{ of } 25^{\circ} 45' = 91.6 \text{ ft}$

at sta 5470.04 ft cor of 26-27-34-35 sets  
north 91.6 feet

correcting back  $\frac{1}{4}$  cor goes N at  
station 2735.02 ft E 45.8 feet.

from  $\frac{1}{4}$  cor E to Center of road = 112.8 feet  
at center of road true line is 439 ft north  
of random line.

New B.T. at cor of 26-27-34-35

Popple 5 N  $73^{\circ} 0'$  E 46.2 feet.

Elm 12 N  $36^{\circ}$  W 63.5 feet

Oak 12 S  $60^{\circ}$  E 32.8 feet

Bass 10 S  $50^{\circ}$  W 30.8 feet

E. B. Horst.

over



Wednesday <sup>continued</sup> Jan. 19-1916.  
at  $\frac{1}{4}$  cor on N side of sec 27 &  
take New B.T.

Oak 10 N 54 W 43.5 ft.

Birch 10 S 32 W 62.1 ft.

Chaining S through sec 27 to true  
sec line, along graded road = 5251.1 ft

Between  $\frac{1}{4}$  cor on N side of 27 and  $\frac{1}{4}$  cor on  
S side of 27 used in survey of road = 5216.7 ft  
graded road runs thru 27 at  $7^\circ$  variation  
true line. Var =  $8^\circ 14'$

1. 1/4 cor on N side of 27

I find W. Pine stump of W. Pine

24 S 52 E 35 and set cor post

at cor of 27-28-33-34 as notes call for

Maple 6 N 77 W 20

Birch 10 N 22 E 20

Maple 5 S 57 W 41

W. Pine 24 S 52 E 35

New B.T.s to 27-28-33-34

Popple 8 N 57 E 2. feet

Popple 6 N 46 W 11.5 ft

Birch 10 S 46 W 8.5 ft

Balsam 8 S 47 E 11.4 ft.

E. B. Horst



Thursday, January, 20. 1916.

Horst transit.

Andrew Nelson flag & chain.

We chain from  $\frac{1}{4}$  cor on north side of sec 34. South to an old stake used as  $\frac{1}{4}$  cor on south side of 34 = 5262.8 feet

we look for B.T. at old stake but every is burned out

In order to establish cor we go to S. west cor of sec 34 where we find 4 cedar trees and old U.S. stake all in good shape and plainly marked we start from this cor and run line East  $7^{\circ}$  Var at Station 1876 ft E Hub

at " " 2649 " " Center of road  
at " " 2667.9 " " Hub.

Note. to the  $\frac{1}{4}$  cor of sec 34 on Twp line between Twps 142 & 143 N. Rge 26 W. as the Govt B.T.s both fall inside the road limits. in case they were there have been removed in road construction. E.B. Horst.  
May. 21, 1917



25

143-26

Friday, January, 21. 1916.

Horst transit

Andrew Nelson flag and chain

We continue line East on S side  
of section 34 Twp 143 Rge 26

at 3329.4 ft E Hub (50d spike)

3988.

" 4535.1

" 5207.0 " " tack in stump

here I turn an angle of  $73^{\circ}30'$  to the  
S and sight to cor of 34-35-2-3  
distance to cor = 210 ftby latitude & departure cor sets  
south 201.4 ft at sta 5266.6 ft E  
Correcting back  $\frac{1}{4}$  cor goes S 100.7 ft  
at sta. 2633.3 ft E (This cor being  
18.2 ft W and 77.8 ft S of old stake  
used in survey of county road)I drive 50d spike and take distance  
to 2-14 in W.P. stump

Stump to S.W. 9.5 ft.

" " to N.W. 11.9 ft.

 $5262.8 \text{ ft} + 77.8 \text{ ft} = 5340.6 \text{ ft}$  between N + S  
 $\frac{1}{4}$  corner of Sec 34 according to my Survey  
ran of true N + S line

E. B. Horst



143-26

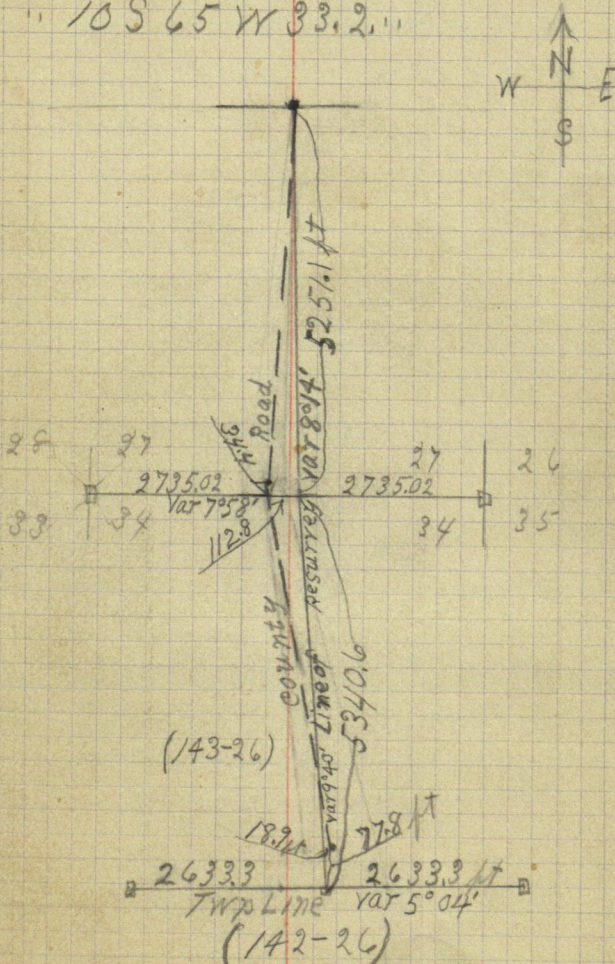
26.

Friday January 21-1916-Continued.  
 at cor of 2+3 Twp 142-26 and 34-35  
 Twp 143-26 I take following B.T.s  
 Maple 8 N 66 E 27. feet

" " 8 N 47 W 24.5 "

" " 6 S 56 30' 17.4 "

" " 10 S 65 W 33.2 "





Saturday, January, 22, 1916.

I take compass, Chain. axe and an iron monument and go to cor of Sec. 22-23-26-27. but find no bearing trees so I continue S at 7°30' variation compass not very reliable on account of local attraction at cor of

23-24-25-26. I find nothing but Cruisers line trees and everything destroyed by fire

E. B. Horst.



Sunday January 23-1916.

Take compass chain and I.M. and go to cor of 28-29-32-33. I find

Birch bearing tree standing and plainly marked I establish cor set I.M. and take New B.T.s as follows

Balsam 8 N 36 E 27.8, feet

Oak 12 N 44 W 35.2, "

Oak 7 S 73 W 14.5, "

Balsam 4 S 10 E 30.0, ft

I go N to cor of 20-21-28-29

here I find 2 Birch Bearing trees plainly marked I set large cedar post and take following B.T.

Maple 6 N 88 E 39. feet

W. Pine 7 N 57 W 30.5 "

Maple 7 S 87 W 39.0 "

" " 6 S 26 E 38.5 ft

P.M. I go to cor of sec 33 and 34 on

south Twp line of 143-26 Sec 3 and 4 of Twp 142-26 and set I.M. and take B.T.s

Cedar 6 N 89 30' W 20.3 ft

Cedar 6 N 79° E 24. "

Cedar 5 S 77° W 27.7 "

Cedar 6 S 10° E 18.6 ft

E. B. Horst.



29.

Monday Jan 24. 1916.

I go to Remer with John Betaw's team

Dinner at Remer hotel \$0.35 cts

P.M. I express some I.M.s to Shovel Lake charges \$0.40 cts

I go to F.E. McLaughlin's with I.M.s and baggage where I stay while setting Iron Monuments in Twp 140-25 and 139-25

In passing cor of 14-15-22-23 near old log road I stop and set an Iron Monument cor having been previously established by me



Tuesday January 25-1916

I hire F.E. McLaughlin to assist  
in setting I-Ms at following corners  
at 20-21-28-29. and 22-24-25-27

Trwp 140-25

on Trwp line between 140-25  
and 139-25 I establish corners  
and set I.M.s as follows

at 32-33-4-5 where U.S. notes call  
for fir-maple - W.Pine Lind B.T.s I  
find W.Pine stump plainly marked  
from this I establish cor set I.M. and  
take following B.T.s

Base 6 N 32 E 17.5 feet.

Maple 10 S 79 E 14 feet.

Popple 4 S 13 W 16.5 feet.

Base 8 N 29 W 21.5 feet.

from here we go 1 mile East but  
cant find any B.T.s so we continue  
East on Trwp line to cor of sec 34-3  
where U.S. Notes call for 2-6 in Tam.

B.T.s we find these set post and

take New B.T. Tam 10 N 90 E 4 ft

Spruce 5 S 20 E 9 ft

We then go 1-2 mil East to cor of

34-35-2-3 where U.S. notes call for

E. B. Horst.



31

145-25 — 139-25 sitting I. M.

Tuesday Jan 25, 1916. Continued  
 4 large White Pine B.T.s we find  
 one stump plainly marked and one  
 stump bearing the B.T. mark in the  
 char coal from this we establish  
 cor and set I.M. taking New B.T.s  
 Popple 8 N 35 E 18 ft.  
 W. Pine stump 30 N 37 W 15 ft.  
 " " " " 30 S 33 W 42.5 ft.  
 Popple 8 S 56 E 26.5 ft.

E. B. Host.



Wednesday January 26-1916.

Frank McLaughlin's team takes  
me to Shovel Lake Charges for both  
ways 6.00

Board at McLaughlin 2 days

He assists setting I.M.s one day

From Shovel Lake I go to Remer to  
set some I. Monuments but a heavy  
snow storm makes it impossible

I store 4 I.M.s at Sanborns ware house

E. B. Horst



33

Thursday Jan'y 27-1916  
Hotel bill pt Remer \$1.50 Paid  
I return to Walker by way of  
Bemidji, R.R. Fare \$1.90  
arrive at Walker 4-10 Jan 28-1916  
and go to Chase Hotel

E. B. Horst.



## Field Notes.

Saturday Jan 27-1917.

E.B. Horst working for Paul Hesse of Cass Lake, leaves Walker on the 6-15 G. N. Train for Cass Lake R.R. fare \$0.49. at Cass Lake I stay at the Endion Hotel. supper and lodging.

Sunday Jan 28, 1917.

I look up Paul Hesse and find that we will not be able to begin work until tomorrow morning.

Hesse tells me to stay at the Endion Hotel and to make arrangements for a team to take us to Paul Hesse's farm being the N.W. 1/4 of sec 11 T 144-Rge 31.

E.B. Horst.



Monday Jan 29. 1917.

Paul Hesse comes to the Endion Hotel and a team from Steiners Livery Calls for us and we proceed to Paul Hesse's farm.

I pay \$3.50 for board and lodging at Endion Hotel and \$2½ to Steiners Livery man.

P.M. Hesse and Horst look up the survey formerly made by County Surveyor J. H. Curo in order to establish corners therefrom and to set iron monuments at those already established.

Horst at John Goss's Lumber Camp for dinner supper and overnight. E. B. Horst.



Tuesday, Jan. 30, 1917.

R. J. Soule engaged by Paul Hesse arrived at camp and we take survey outfit and walk to 1/4 cor between sec 2 & 11 T 144 Rge 31 established by J. W. Curo from old U.S. B.T.s and recorded in record No. 302. Page 312. Book B.

County Record book of surveys We find new bearing trees taken by J. W. Curo, being, Jack Pine 10. N 60° W. 11. 10 ft and Jackpine stump 12. S 4° E 22.50 ft.

The U.S. B.T.s at this point are N.P. 12 S 4° E 385 lks = 254.10 ft Jack pine N 30° E 171 lks = 112.86 ft of which the old N.P. B.T. still remains plainly marked and cor set by Curo checks perfect with same.

We drive a large spike at point established by Curo.

E. B. Hart.



for  $\frac{1}{4}$  cor until we can set an iron monument in its place. at this point we also mark new bearings as the others would fall inside the road limits in case a road was built.

Jack pine 9 N  $16^{\circ}$  E 34.80 ft

Jack pine 6 S  $28^{\circ} 30'$  E 38.40 ft.

to nails in lower flage var 8°

We return to corner of sections 2-3-10-11 T144 R31 as established by Curo. and find a  $\frac{1}{2} \times \frac{1}{2} \times 12$  in. spike and 2 B.T. stumps marked by Curo.

To this point I take bearings

Jack pine 6 N $40^{\circ}$ W 103.20 ft	} Mag. var 8°
Norway pine 16 S $21^{\circ}$ W 138.80 ft	
" " 18 S $43^{\circ}$ E 101.90 ft.	

to nails in lower flages

P.M. Paul Hesse arrives from Cass Lake and was to bring some iron monuments along but failed to get them.

E. B. Dorst.



Horst, Soule and Hesse  
go to cor of secs 10-11-14-15  
T144 R31 where U.S. Notes call  
for following bearing trees  
which stand as follows from  
spike set by Curo for the  
true sec corner:

Jack pine 9 S.E. 3.33 ft.

" " N.W. 16.62 ft.

" " 12 S.W. 7.39 ft.

Norway pine 24 N.E. 16.74 ft.

The new bearing trees marked  
by Curo are all cut down as  
well as all other trees in this  
vicinity so I remark the  
stumps of the same trees and  
drive a 4 inch spike in  
each stump they stand as follows

Jack pine stump 14 S 55° W 84.57 ft.

" " " 13 S 50° E 64.22 ft.

" " " 12 N 58° 30' E 60.33 ft.

" " " 10 N 41° 30' W 74.74 ft.

to spikes at 8° 30' Mag Var.

We go to put on Curo's random  
line between secs 10-11, T144,



Rge 31 and taking the offset into consideration I calculate the point for the true  $\frac{1}{4}$  cor. From Hub 8117.90 S we chain south 34.90 ft to station 8152.80 S and set hub, setting transit over this hub we chain E at  $90^\circ$  10.60 ft and set a 6 in spike for the true  $\frac{1}{4}$  cor between sees 10 + 11 T 144 Rge 31 and mark the following bearings  
N.P. stump 20 S  $80^\circ$  W 24.40 ft  
N.P. stump 16 S  $64^\circ$  E 55.80 ft  
at Mag Yar 80 to spike in stump  
quit for night Kesse goes  
back to town for I.M.S.  
E.B. Horst.



Wednesday, Jan, 31st, 1917.

I am waiting at Lumber Camp for Hesse to bring iron monuments from Cass Lake. I check calculations until noon.

About 1:30 P.M. Hesse and Soule arrive at Camp. Hesse says the I.M.s did not come from Walker so he brought out a few lot corners which are not very good but which I will set to preserve the corners until we can set regulation monuments. Horst, Hesse, and Soule begin setting iron corners.

At cor to sec 10-11-14-15-T144R31 we set a  $1\frac{3}{4} \times 36$  inch capped pipe for true sec corner.

At  $\frac{1}{4}$  cor between sections 10 & 11 T. 144 R. 31 we set a  $1 \times \frac{1}{2} \times 36$  inch iron bar for true  $\frac{1}{4}$  cor.

E.B. Horst.



at cor to secs 2-3-10-11, T144-R-31  
we set a  $1\frac{3}{4} \times 36$  inch capped pipe  
for true sec corner.

at  $\frac{1}{4}$  corner between secs 2+11  
we set a  $1\frac{3}{4} \times 36$  in capped iron  
pipe for true  $\frac{1}{4}$  corner.

This is all the work Mr Hesse  
wants done at present so I  
prepare to return to Walker.

I load survey outfit on Hesses  
hand sled and start for Cass  
Lake a distance of  $6\frac{1}{2}$  miles  
arrive at Endion Hotel 7 P.M.  
where I stay for supper over  
night.

Hesse paid John Goss's clerk  
for Horst and Hesses's board  
E. B. Horst.



144-31

February 1st 1917.

I pay \$1.50 at Endion Hotel  
and leave Cass Lake on  
7 AM. train for Walker.

R.R. fare Cass Lake to Walker  
\$0.49.

I do not get to see Hesse so  
I send him a bill for exp  
& work done amtg to \$21.98 cts  
E.B. Horst.

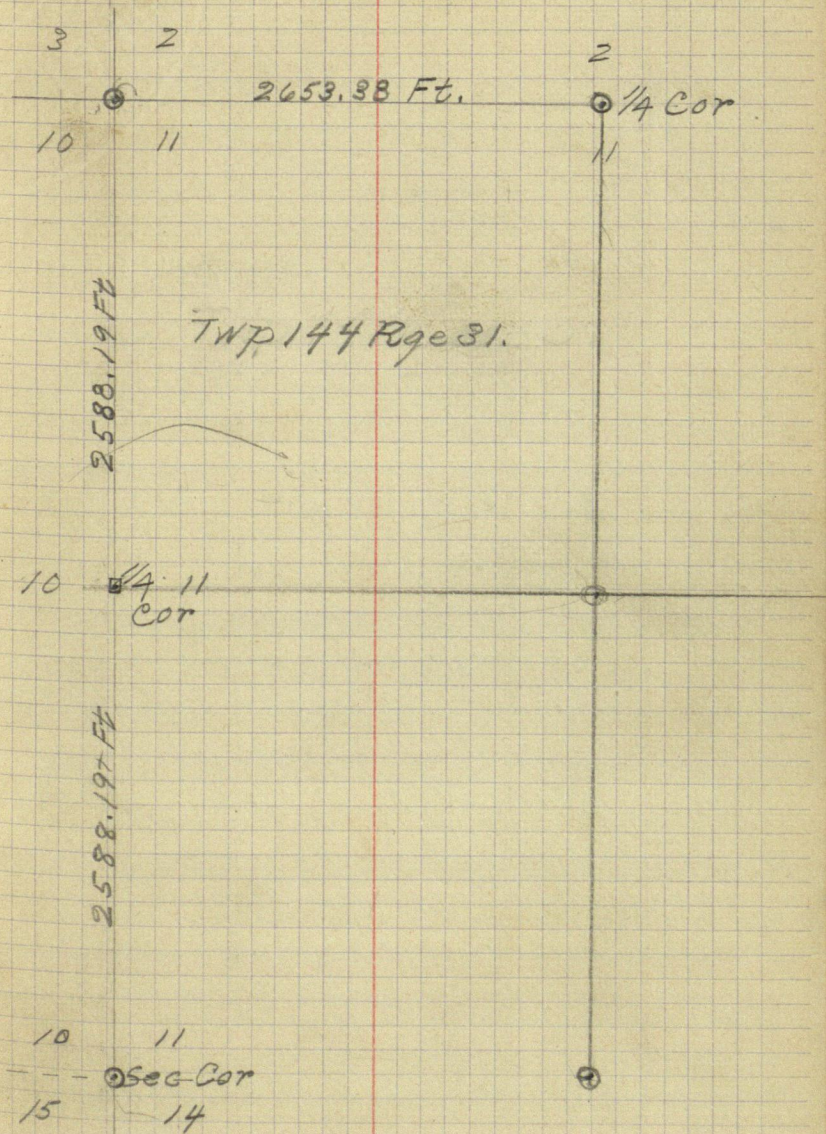
Note. I made a mistake  
in making out Hesse's bill  
and forgot to charge him  
with supper over night and  
breakfast at Endion Hotel.  
but as he seems to be in hard  
circumstances I will lose the  
amt \$1.50



144-31

44

# Diagram of Survey for Hesse





Nov. 12, 1920

E. B. Horst leaves Walker on G.N.  
Train 6:30 P.M. for Cass Lake

Bus fare 25¢ R.R. Fare 70¢

supper at Cass Lake 50¢ Lodging \$1.25

Breakfast 50¢ Fare Cass Lake to

Shovel Lake \$1.72

J. Howard Swanberg joins me at Cass  
Lake as chairman.

At Remer we meet Coover chairman  
of Twp. Board who has come to  
Remer instead of Shovel Lake.

he drives us to his place for supper  
& overnight. Nov. 13, 1920

E. B. Horst.

Sunday, Nov. 14, 1920

E. B. Horst, and J. H. Swanberg,  
and Earl Noull and car drives  
us to the N.E. Cor. of sec. 26, T. 140,  
Rge. 25, where a road runs N. from  
the N. & S. Road and at which point  
I saw the stump of one of the orig  
U.S. Bearings before the road run-  
ning S. was constructed. The stump  
having been grubbed and thrown  
beside the Road bed. E. B. Horst



Set point at P.I. of Road

N.E. Cor sec. 26-140-25 - New B.T.S.

S.W. Cor of School House

N.  $49^{\circ}53'E$ . 160.4 ft.

Tel. pole N.  $47^{\circ}30'W$ . 32.8 ft.

Pop. 8 S.  $53^{\circ}45'E$ . 70.8 ft.

U.S. Notes call for Birch 18 N.  $49^{\circ}E$ . 14.

Aspen 4 S.  $11^{\circ}E$ . 9.

Fir 4 N.  $40^{\circ}W$ . 12.

Aspen 5 S.  $38^{\circ}W$ . 14.

Which have all been grubbed out  
in constructing roads.

From this point I sight N. on Road  
mag. Van =  $7^{\circ}30'E$ .

Thence N.  $86^{\circ}15'W$ . on graded road  $\frac{1}{4}$ .  
at 442.5 set point

" 1200.0 " "

" 1960.0 grade over swamp N. & S.W.

" 2477.5 Cent. of Bridge over ditch.

A fence parallel to Road is 30 ft. S.  $\frac{1}{4}$ .

at 2535 W. a gate post in line of fence  
running S. and on W. side of private drive  
bears S. 30 ft. from  $\frac{1}{4}$  of Road.

at 2600.0 ft. set point in S. wheel track

at W. side of swamp. E.B. Horst.



qt. 2600.0 Left.  $2^{\circ}53'$  N  $89^{\circ}08'$  W.

qt. 2665 a bend in road L.

" 3765 a 5 ft. Bridge over creek. <sup>Road  $\angle$  R.  $3^{\circ}00'$</sup>

" 4869.0 point on top of hill.

Right  $0^{\circ}47'$  N.  $88^{\circ}21'$  W.

at 5297.0 ft W. pt. for cor to

secs 22-23-26-27 which I

F.B. P. 1  
68-3

found on Jan. 1, 1916. When I was cruising for sec. corners in Smoky Hollow Twp. at which time I found stake and stumps of 2 Tamck witness trees which were grubbed and thrown aside when building road which was not quite completed at that time I blazed a 6" cedar on N. side of Road and a 10" Tamck on S. side of road at that time and also set the stake, made by Wattson, 25 ft. S. of Centre. of road which a Mr. McLaughlin identified and told me where to find.

Cedar 6" N. 17 ft. Blazed in 1916.

Tamck 10" S. 23.4 " " " "

set stake 33 ft. S. of d.

E.B. Horst.



at 2640 ft. W. from cor. 23-24-25-26  
I make a very thoro search for evidence  
of the orig U.S.  $\frac{1}{4}$  Sec. cor. 23-24 but  
find nothing. I ask a Mr. Jackson  
about this cor. and he claims that he  
knows where it is and that it cannot  
be pulled up with teeth but absolutely  
refuses to give any information as  
to its whereabouts and further  
claims that the Court is the place  
to establish that cor. and that is where  
he will disclose his information.  
Mr. Jackson also states that Martin  
Watson established this cor. and that  
he was a U.S. Surveyor at that time.  
I personally interviewed Martin Watson  
at his home on Nov. 13, 1920 in the  
presence of J. H. Cosner and he  
claims that he found either two Tamar  
trees or 2 spruce trees but kept  
no notes of same and could  
not re locate the cor. by any  
method to its original position.  
E. B. Arret.



Being unable to find any evidence of the original  $\frac{1}{4}$  S. Cor. between sec 23-26-140-25 I proceeded to establish same by proportionate measurement, and in line with the N.E. and N.W. section corners of section 26.

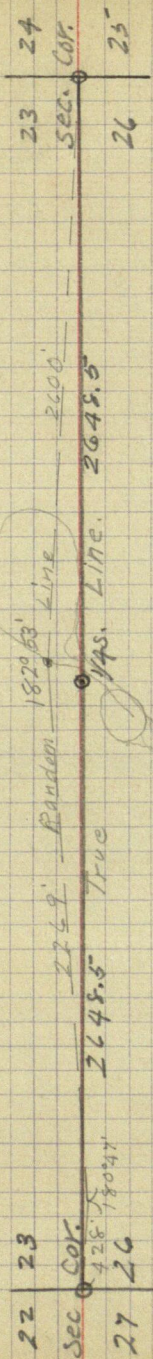
{ Recorded U.S. Notes of this corner (140) give post and:  
 { aspen 6" S.  $70^{\circ}$  W. 8 links = 5.28 ft  
 Spruce 5" N.  $47\frac{1}{2}^{\circ}$  E. 9 " = 5.94 "

at sta. 2648.5 W. set pt. for  $\frac{1}{4}$  S. Cor 23-26-140-25 S. 64.9 ft. with following new R.P.S.

$\frac{1}{4}$  S. { Tol. pole N.  $70^{\circ}45'$  E. 116.3 ft. }  
 " " N.  $66^{\circ}20'$  W. 114.6 ft. }



140-25.





55

T.S.	H.I.	-S.	elev.	obj
5.0	105.0		100.0	assumed
		7.0	98.0	
		8.5	96.5	
		5.0	100.0	Top of Box
		5.5	99.5	in ditch
		8.8	96.2	in bottom
		6.8	98.2	same place
		5.0	100.0	in side ditch
		3.7	101.3	on small
		3.2	101.8	" "
		10.0	95.0	in pot hole



in Cent of Road at Sta. 2600 W.

in swamp 100' W. of Road

in ditch at N. end of culvert (Box)

Culvert. 30" wide

in Cent. of drive to Jackson's

of ditch at West end.

on bank of ditch.

on S. side of Road at 2800' W. Lowest pt.

hill in side ditch " 2900' W.

" about Sta. 3000 W. side hill sloping S.

about 100 ft W. of outlet of drain ditch.

Record No 480



57

SEC. 10-140-25

Mond. Nov. 15, 1920

Rec'd  
48

E. B. Horst, Eng.

Howard Swanberg, chain.

J. H. Coener and 2 other  
men as helpers survey the  
N. & S. Center line of sec. 10  
for a road to be built in S.  
 $\frac{1}{2}$  of sec 10, 140-25.

Begin at the  $\frac{1}{4}$  S. cor. between  
secs. 10 & 15-140-25 where  
U.S. Notice call for:

Q. Pine 10 S 88 E. 37 } which  
Aspen 5 N 81 $\frac{1}{2}$  W. 10 }

I find the stumps of which  
bear the original scribe marks  
also find a fallen stake near  
true point for cor.

I set a large hub for the  
true  $\frac{1}{4}$  cor from which:

W. Pine 9 N. 76°45' E. 35.7 ft. } new  
W. " 8 N. 52°00' W. 43.0 " } RT.S.

Run N. on Random E at  
7°30' Var. E. B. Horst.



at 390 ft. N. Hub.

" 822.3 " "

" 1320.0 " set stake on line.

" 2567.0 " Wire fence S. side Road

" 2600.0 "  $\frac{1}{2}$  of E.B.W. Road.

" 2631.0 " Wire fence N. of Road.

" 4020.0 " Hub of fence cor. E. 30 ft.

" 5223.4 " R.  $14^{\circ}30'$  133.3

feet to the  $\frac{1}{4}$  S. cor. between

secs. 3-10-140-25. Which was

a 4" W. pine for cor. and:

Aspen 5 N.  $43\frac{1}{2}$  E. 4 lks. } Now is:  
 Fir 3" S. 56 W. 5 lks. }

4" Pine for cor lying on ground

Aspen B.T. Mkd. " " "

from which I set a large stake

4x4" 4' New B.Ts

Balsam 7 N.  $60^{\circ}$  W. 28 ft.

Noway 10 S.  $20^{\circ}$  E. 13.8 ft.

at sta. 5352.7 ft. N. on random  $\frac{1}{2}$

the  $\frac{1}{4}$  S. Cor bet. secs 3-10 sets

E. 33.4 ft.

C.  $\frac{1}{4}$  S. 10 at 2588. N. & E. 14.5 ft

C. N.  $\frac{1}{16}$  S. 10 at 3970.3 ft. N & E 24.7 ft.

E.B. Horst.



J. H. Cosner takes us to  
Chevel Lake and we take  
PM train to Bemidji. & Walker-  
Swanberg get off at Cass Lake,  
E. B. Horst.

Record 481



61

S-11-144-31.

Wed. Mar. 23, 1921.

Field notes of the survey of a  
part of section 11, T. 144 N. R. 31 W.  
5th P.M. Cass County, Minn.

E. B. Horst, with H. & B. Transit  
with Burt Solar attachment  
leaves Walker on 6:23 P.M.

G.N. Train for Cass Lake to  
survey the N.W.  $\frac{1}{4}$  of sec. 11 for  
Paul Hesse.

I stay at Boston Hotel where  
Hesse has engaged board & room  
E. B. Horst.

Record No. 461



S-11-144-31

62

Thursday, Mar. 24, 1921.

E.B. Horst, Paul Hesse, John Koch and Emil Koch drive to sec. 11.

Begin at  $\frac{1}{4}$  sec. cor. bet. secs 2-11 and run S.  $20^{\circ}24'E$  on a random  $\frac{1}{4}$  sec. line thru sec. 11.

at 1051 set Hub -

" 1319 stake 2 ft. W. of line Mkd. 1319.

" 1796 Hub.

" 2328 "

" 2354.6 Wire Fence, N.E. & W.

" 2659.5 Hub.

" 4310 Road N.W. & S.E.

" 4792 Hub on Pine Ridge.

" 5277.0 ft. S. the  $\frac{1}{4}$  S. Cor. (a wood stake) bet. secs.  $\frac{11}{14}$  sets E,  $82.0$  ft.

True bearing of  $\frac{1}{4}$  S. line = S.  $30^{\circ}17'E$ .

at this cor. I find the U.S. B.T.

(stump) Frank. 4 North. 87 links.

a splinter of the stump still bears the mark (B.T.) but will soon be gone.

a new bearing marked 16 years ago is N. 11.5 ft. Set a  $3/4 \times 36$  inch iron pipe at true corner. E.B. Horst.



11-14~~th~~ - 31,

Mar. 25 1925

Same crew, begin at the  $\frac{1}{4}$  S. Cor. bet. secs. 10-11' where I drive a  $1\frac{1}{2}$ " x 36" capped I.M. from which I run N.  $89^{\circ}26'E$ . on a random  $\frac{1}{4}$  sec. line thru sec. 11.

at 600 ft old road br N. 20W.  
S.  $30^{\circ}E$ .

850 cut. swamp.

1010 by same.

1012 N. + S. fence (wire)

2632 P.I. Hut on N + S rand.  
line at sta. 2495.4 ft. S.  
NW.  $\angle = 90^{\circ}10'$ .

at 4080 int. lake

" 5400 ft. E. cut Hut on ice  
near E. shore of lake.

pt. for 445. falls in lake.

I look for M.C. #14. where  
I find the U.S. B.T. still stand-  
ing, green and plainly marked.  
from which I set a  $3\frac{1}{4}$ " x 36"  
I.M. from which I chain N.  
105.6 ft. and set pt.



for  $\frac{1}{4}$  S. Cor. bet. sec 11-12 on  
Sec.

Hub 5400 E. bears.  $N. 1^{\circ} 06' E.$   
33-2.6 ft.

True bearing of the E. & W.  $\frac{1}{4}$  line  
=  $S. 88^{\circ} 30' E.$  E. B. Horst.



11-144-31.

Mar. 27, 1921

Same crew, correct pts.  
from random to true  
lines

For the C. 1/4 S. cor. S. 11 I  
Chain S.  $3^{\circ}19'E$ . 176 ft. and N.  
 $87^{\circ}36'E$ . 41 ft. and set  $9\frac{1}{2}" \times 36"$   
Capped I.M.

A fence post bears S.  $80^{\circ}E$ . 3.8 ft.  
at station 1336.4 ft. E. I chain  
S.  $2^{\circ}24'E$ . 88.0 ft. and set a sand  
point for the C.W. 1/4 S. cor.

I return to Walker, via Banidji,  
after settling my account in  
a peculiar way. E.B. Hovet.

Recorded in section file.  
E.B.H.



Sec. 6-143-31



Deuteronomy 22-5th verse  
about wearing overalls.

26485

24995

21710

85 57