

73.

LINE

LOC'N BY PLACE OR STA

Cass. Co
Minnesota Walker

PREL'Y OR LOC'N

CLASS OF NOTES

Field notes

ENG'R IN CHARGE

Harry S. Todd

DATES

April 1, 1914 -

27.25

263.40

286

48782

Hub 99.4

" 64685

FIELD BOOK 63.6

FORM 200

16,70.75

82.75

17,53.50

Folio 12mo. $4\frac{1}{8} \times 7\frac{3}{16}$

80 Leaves

17,53.50

Price 58.40

Brown, Treacy & Sperry Co.

Manufacturing Stationers

Fifth and Minnesota Sts.

ST. PAUL, MINN.

(2)

- 136-137-29 Page 3 to 9
141-31-30 Cyphers Page 2
Secs 22 & 27 142-31 Page 11
141-25 Remer R. 12
141-31 17 - 27
141-30 22 - 27
139-28 Page 28 to 41
137-32 Ansel Twp 42 - 51
139-30 Powers 52 - 59
137-136-29 Berg Twp 59 to 67
140-30 Birch Lake 68 to 82. Todd
83 to 105 Rogers & Soubner Addition

③ 137-29

Sat. April 1 1911

Reg. @ cor. between sec. 32-33 on South line of Sup. run west @ 90° @ 300 pin enter popl. grove 600 pin 1090.15 Hub. 1200 pin 1320.40 Hub. post 1500 pin 1520 enter meadow bears N. 18.00 pin, 2100 pin, 2200 enter popl. grove bears NE. 50. 2400 pin 2640 temp 4 post enter open meadow 2700 pin 3000, 3300 pin 3313.40 Hub. 3600, 3900 pin 3960 temp 4 post 4200 pin 4449 cross road bears N. 75. 4500, 4800 pin 4849 Hub. 5100 pin @ 6281.90 true cor on top line between sec. 31-32 sets north 92.95 ft. Ole Berg, Arman, H. J. Anderson & d chaining, d day at Berge

Sun. April 2 1911

we correct the line over and cut it out on true line. 1090.15 Hub goes north 1917 ft west 140 ft 1320 Hub goes north 2321 ft west 47 ft 2640 goes north 46.43 ft west 96 ft 3313.40 Hub goes north 67.26 ft west 1120 ft 3960 goes north 69.49 ft west 142 ft 4849 Hub goes north 85.27 ft west 174 ft & then put in O.B.T. to the 4 post on South side of sec. 32-137-29. Ole Berg, Arman, H. J. Anderson, P. 10 N 40° 44' E 112 ft. & d chaining. Still at Berge.

Mon. April 3 1911

Reg @ cor on top line between sec. 31 & 32 we run west at 8° 31' N. @ 120 enter alder thicket @ 300, 600 pin @ 650.45 tack in log. 900 pin 1118.60 Hub. 1200 pin 1320 temp 4 post 1500 pin 1660 wire fence bears N. 5 1800 pin 1922.80 tack in log. 2100, 2400 pin 2640 temp 4 post check over 35 ft 200 to link up the road 2700, 3000, 3300 pin 3404 Hub. 3600, 3900 pin 3960 temp 4 post 4200 4500, 4800, 5100 pin @ 6275.10 true cor of sec.

31-137-29 stands N. 6630 ft. we correct the line over then quit for night at Berg, Arman H. J. Anderson & d chaining

Corrections

Hub 650.45 goes N. 6.94 + E. 160 ft. Hub 1118.60 goes north 11.93 + E. 1.09 ft. Hub 1922.80 goes N. 20.50 + E. 3.58 ft. Hub 2640 goes N. 33.57 + E. 2.45 ft. Hub 3404 goes N. 36.30 + E. 8.15 ft. Hub 3960 goes N. 49.20 ft + E. 66 ft East.

④ 136. 29

Tuesday April 4 1911.

Reg @ cor of 7 and 18 on top. Line we run in @ 8° 43' var. @ 60' wire fence bears E. & W. @ 300, 600 stake 659.75 Hub. 900, 1200 stake, 1320 temp. $\frac{1}{4}$ cor also wire fence E. & W. 1500 stake 1596 stake in stump 1800, 2100, 2400 stake 2640 stump $\frac{1}{4}$ post 2700 3000 3300 3600 stake 3717.50 Hub. 3900 stake, 3960 temp. $\frac{1}{4}$ post. 4033 hub. 4200, 4500, 4800, 5100 stake, 5280 hub temp. cor post for sec. 6 - 7 on west top line, nothing here so we continue our line. 5400, 5700, 6000 stake. 6015.40 Hub. 6300 stake, 6600 temp. $\frac{1}{4}$ post. 6900, 7200, 7500 stake 7800 stake. 7920 temp. $\frac{1}{4}$ post on west side of sec. 6, nothing here so continue our line. 8100, 8400 stake 8632 fence 8700 stake, 8865 to. top. 8929.30 Hub. 9000 stake 9240 temp. $\frac{1}{4}$ post. 9300, 9600 stake, 9865 Hub. 9900, 10200, 10500 stake. 10528.50 Hub. @ 10629.70 cross true line. 10791 Hub. temp cor post. we find that the sec are 127.70 ft long and we are off 151.95 ft to the East. H. J. Anderson, Ole Berg axman and Andrew Anderson & Co chaining.

Thursday April 27. 1911

going to Reg @ $\frac{1}{4}$ post on south side of sec. 6 - 136 - 30 we find the south E. of 7, standing plainly marked from which we set the cor and then run west @ 8° 20' var. @ 300 stake 368 center of wagon road, N.W. & S.E. 371 corner of 391 wire fence N.W. 602.65 Hub. 600, 900, 1200 stake 1480.50 Hub. 1500, 1800, 2100 stake 2244.55 stake in log 2400 stake, 2467.40 Hub temp. sec. cor for 6 - 7 - 12 - 7. we look for Bto here until night then quit. Over night at Bergs Ole Berg axman, Henry Berg & Co chaining.

Friday April 28 1911

we continue our transit line west. @ 2700 3000 stake, 3001.35 Hub. 3300 3600 3900 stake, 3960 temp. 4042.65 Hub. 4200 4500 stake 4726.30 Hub. 4800, 5100 stake @ 5203.90 true $\frac{1}{4}$ cor sets north 26.85 ft. we find the cor. already set by some surveyor which we check upon and find correct. we then quit for night. Ole Berg axman. Henry O. Berg axman. over night with Ole Berg

Sat. April 29 1911

we set the S.W. cor of sec. 6 136 - 29 & then go to the N.W. cor of sec. 6 136 - 29 and set that we put in Bto the N.W. cor of sec. 6 as follows. Azim 6 S. 18° W. 54.45 ft. Oak 103.81° 15° E. 59.65.

Jenkins

5

34

33



3

36

Palmer

18

4

5

6

1

2

9.

8

7

12

11

16

47

18

13

19

(6)

136-29

Monday May 19 11

Beg @ N. E. of sec. 5-136-29 we run west at $8^{\circ} 15' 0''$.

@ 140, 70 Hub. 500, 600 stake, 679 enter swamp on ordinary
 Reare E & W. 709 culvert. 900 stake, 1127 culvert. 1167 leave swamp.
 N & S. 1200 stake, 1295.50 Hub. 1500, 1500, 2100 stake
 2269.55 Hub. 2400 stake 2440 Hub temp $\frac{1}{2}$ cor. nothing here
 so continue line. 2700 stake 2847.90 Hub. ^{good over} ~~2847.90~~ ^{at north}
 3000, 3300 3600 stake 3721.45 Hub 3900 stake
 3960 temp $\frac{1}{2}$ post. 4200, 4500, 4800, ~~4811~~ 4811. Hub
 5100 stake 5356.56 temp. cor. post between sec. 6 & on
 trap. line. ~~nothing~~ here so continue our line
 5400, 5700, 6000, 6300 stake 6361 Hub. We quit
 here for night. Ole Berg. chairman, Henry Berg
 axman, over night at Ole Bergs.

Tuesday May 2. 1911

continue our line of yesterday. @ 6600, 6900 stake
 7034.80 Hub. 7200, 7500, 7800 stake, 7990.56 Hub
 temp $\frac{1}{2}$ post on north side of sec. 6. nothing here
 so continue. 8100, 8400 stake, 8568.85 Hub, 8700,
 9000 stake. 9000 true cor of sec. 31-32 137-29 sets
 south 2 ft. 9300, 9316.56 $\frac{1}{2}$ cor. 9600 stake 9647.15
 Hub. 9900, 10200 stake. 10285.60 Hub @ 10696.20
 true cor sets north 4.10 ft + 7 ft that we checked over
 = 11.10 ft. true distance off. quit for night. Henry Berg
 axman, Ole Berg. chairman, over night at Ole Bergs

Wednesday May 3 1911

Beg at cor 5-6-7-8 136-29 we run north
 @ $8^{\circ} 30'$ var. @ 900 enter swamp, 600, 900, 1200
 stake, 1320 temp $\frac{1}{2}$ post. 1475 Hub in road 1500,
 1800 stake 2000 leave swamp. 2100 stake 2361.90 Hub
 2400 stake 2640 temp $\frac{1}{2}$ post. nothing here so
 continue our line, north 2700 stake 2853.30 Hub
 3000, 3300 stake. 3495 cross road E & W.
 3600, 3900, stake, 3960 temp $\frac{1}{2}$ post. 4036 Hub.
 4048.70 cross wire fence 4200 stake 4470.55
 Hub. 4500, 4800, 5100 stake @ 5367.20 true
 cor stands east 84.10 ft. quit for night
 Henry Berg axman Ole Berg chairman over night
 at Ole Berg.

136-29

Thur. May 4 1911.

Reg @ $\frac{1}{4}$ post n of $\frac{1}{4}$ post on East side of sec
6-136-29 we run west @ $8^{\circ} 40'$ var.
@ 300, 600, 900 stake, 1109.43 nail in log.
1200 stake, 1320 temp $\frac{1}{2}$ post. @ 1500 enter open
meadow 1800 leave meadow 1921.65 Hub.
2100 enter little meadow 2400 leave meadow.
2640 temp ~~enter~~ of $\frac{1}{4}$ post in North
half of sec. 2700 stake 2734.60 Hub. 3000, 3300
stake 3572.25 Hub. 3600, 3900 stake 3960 temp
 $\frac{1}{2}$ post. 4200 stake 4366.35 Hub. 4500, 4800 & 100
stake @ 6103.60 Hub. @ 5200.28 turn N. cor.
sets South. 135.95 ft. quit for night at Berg
claiming Henry O. Berg, axman. over night water.

Friday, May 5, 1911

we check over the line and then I
go up to Walker on p.m. train.

Sat, May 6 1911-

Worked in office at Walker looking
up field notes of the Berg Road
survey, checking up the work done,
and reporting to Washington on
funding of conditions of survey.

one day for Carr Co. \$4 00

Hotel Expense 1 00

Room 19 @ Chase Hotel

continued

May 6 1911

I put in the following Bill.

Walker Minn, May 6, 1911

Cass Co. Minn to Harry S. Todd Dr.

Engineer work in the establishment of the true Standard Parallel Line between Malden & Loon Lake Townships. All corners are established with wood stakes ready for the stone monuments, which will be set at once.

March 31, 1911, one day \$4⁰⁰

April. 1, 2, 3, 4, 27, 28, 29 being
7 days @ 4⁰⁰ per day 28⁰⁰

May 1, 2, 3, 4, and 5 being
5 days @ 4⁰⁰ per day 20⁰⁰

May 6 1911. Reporting to
Washington on findings of survey
& checking up notes 1 day 4⁰⁰

Rail Road fare Walker to
Jenkins & return 1⁴⁶

Total \$57⁴⁶

Sunday May 7 1911

all day at Walker working
on county survey records &
plats. No charge for the day.

Room 19 Chase Hotel.

Monday, May 8, 1911.

Lev. Walker 9:37 a.m. Arrive at

Cyphers 10 a.m. R.R. fare 12¢

and the Cyphers postmaster, Hunt
for gov. Bearing trees from which
to start survey of "Beard" Co. Road

We find the S.W. cor. of sec 7
T 14 N. R 30. As there is no place
to board and I can get no axmen
to cut brush I am compelled to
return to Walker. so catch the
4:36 p.m. train back,

One day for Cass Co. on "Beard"

road survey 4.00

R R fare Walker to Cyphers &
return .24

Hotel Expense 1.50

Room 19 at Chase Hotel 5.74

off for dinner.

Tuesday May, 9, 1911.

As we have been ordered to set stone monuments @ Township and section corners, I put in the whole day in the location of the n.w. cor. of Township 140 Range 30.

6 A.M. to 9.30 A.M. Look up notes of said Township. @ 9.37 A.M.

Dr. Walker 10 A.M. Arrive at Lathrop. I walk around the south arm of Ten Mile Lake and find water so deep that I am compelled to return. So hire a boat from Cliff Long and row across the lake. I find no bearing trees so return to Meander post no. 50 where I find the stump of the two bearing trees called for in the notes. As there is no place to board I am compelled to return to Walker. Pay Long 25c for boat hire. Catch P.M. train to Walker.

One day for Cass Co. on the Twp. Corners.

R.R. fare to Lathrop & return	4.00
Boat hire	.36
Hotel Bill	25
	1.00

Room 19 @ Chase Hotel 6.11

(10)

Wednesday May 10, 1911
Curo + I go out to $\frac{1}{4}$ post between
secs. 22 - 27 142 - 31. We find
the B. to here and intend to
set a cement car.

Thursday May 11, 1911
Work in office at Walker and
then ~~that~~ take the 4:53 p.m. train
to Bemidji. Stay all night @
Markham Hotel. R.R. fare Walker
to Bemidji 65¢ overnight in
Bemidji \$1.50.

Friday May 12, 1911
go from Bemidji to Remer.
go in p.m. out to Bergstrom's
place and then out to Boe + Sorum
I get some men to work for me.
R.R. fare Bemidji to Remer
\$1.16. over night @ Don Pedro
Hotel Remer.

Remer,

12

141-25

Sat. May 13, 1911

we go to $\frac{1}{2}$ post between secs. 6 + 7
141-25 where Gov. note call for

asp. 6 S 58 W. 12.

asp 7 N 8 W. 27.

we find both trees standing plainly
marked from which we set the cor.
from proportionate measurement @
7°30' N. after which the Gov. trees
stand as follows.

asp 6 S 71° 18' W. 12 or 7.92 ft.

asp 7 N. 13° 4' W. 27 or 17.82 ft.

we then run south @ 7°30' N.

@ 295.50 Hub. 300 stake enter swamp

600 stake, 759.60 Hub. 900, 1200 stake

1413.75 Hub. 1500, 1800 Hub. 2031.90 Hub

2100, 2400 stake 2500 leave swamp

2536.90 Hub. 2640 temp center post

2700, stake. we here quit for

night. J. T. Skogen + E. S. Boc

axmen, S. H. Bergstrom + d

chaining. over night @ Don Pedro

Hotel Remer.

Remer.

13

141-25

Sun. May 14, 1911

Continue our line of yesterday
thru sec. 7. 141-25 @ 2769.7 Hub.

3000 stake, 3131.20 Hub. 3300, 3600 stake

3809 tack in tie in Soo R.R. track

3900 stake 4084.20 Hub. 4200, 4500

stake 4645.90 Hub. 4800, 5100 stake

@ 5298.20 true to cor stands west

29.40.

We find the Bts. to the cor
plainly marked but they do not
check out for courses or measurement.
We set the cor. by proportionate
measurement after which the
stumps stand as follows,

Spr. 20 S. 85 W. 12 ft.

Sam. 18 N 25 E. 12.75 ft.

We then quit for night. J. T. Skogen
and E. G. Bol. axmen. S. H. Bergstrom
+ I chaining over night at Don Pedro Hotel
Remer.

Remer.

14

141-25

Monday, May 15, 1911.

We go to 4 post between sec 7+8
141-25 where cor. notes call for.

Spr. 7 S 41 E. 13 = 8.58

Spr. fine 7 S 70 W. 16 = 10.56

We find both trees standing plainly
marked, but they do not check out for
course so we set the cor. by

Proportionate measurement @ $8^{\circ}30'N$.

We then start a line west @ $8^{\circ}N$.

@ 233.80 Hub. 300 stake 434 enter swamp.
543 leave swamp, 600 stake 656.35

Hub. B. changed to $7^{\circ}15'$ 743 enter swamp
900 stake, 1155 leave swamp, 1200 stake

1230. Hub. 1500 stake, 1664.75 Hub.

1800, 2100, 2400 stake, 2477.25 Hub.

2640 temp. center post. 2700 Hub.

We here quit for night on account
of rain.

J. T. Skogen + E. J. Bol,
exmen S. H. Bergstrom & d chaining
Overnight @ Don Pedro Hotel Remer

141 - 25

Sun. May 16 1911

continue our line of yesterday
 west @ 2968.50 Hub. 3000, 3300
 stake 3811.50 Hub we then
 use stadia measurement
 @ 3831. rail road @ 4613 Hub in
 swamp, 4793.25 Hub, 5001.80
 true $\frac{1}{4}$ cor stands South, 46.75
 ft. we find that this cor
 has been set by some other
 surveyor and it checks out
 fine for measurement.

Quit for night.

J. T. Skogen & E. G. Boe. Axmen
 G. H. Bergstrom got in one half
 day chaining.
 over night at Don Pedro Hotel

141-25

Wed. May 17 1911

We check over our line and
then do take the P.M. train
for Bemidji. Had supper
at Marcum and then take
night train for Walker.

over night at Chase Hotel.

E. G. Box & J. T. Skogen get
in one half day chaxmen
G. H. Bergstrom one half day
chaining.

Thur. May 18 1911

worked all day on court
house grounds with

over night @ Chase
Hotel. Room 27

Friday May 19 1911

worked all day on court
house grounds still at
Chase Hotel.

Sat May 20 1911

worked all day on court
house grounds take midnight
train to Wackensack

141-31

Sunday May 21 1911

We go from Hackensack to
Bob De Surys farm and
run the West line as follows

Reg. @ M.E. we run South
@ 78.25 Hub, 93 Middle of road
B. E. & W. 206.50 Hub, 286 Hub
300 Stake 423.30 Hub, 528.90 Hub
592.10 Hub, 600 Stake, in center
of road B. E. & W. @ 637.10

True M.E. sets East 11.75 ft,

Old B.T. N. 53° W. 5.40 ft

Old B.T. N. 72° 20' E. 40.26 ft

New. B.T. N. 85° 20' W. 39.40 ft

Oak S S 25° E. 6.15 ft D. 8° 10'

Monday May 22 1911

George Mitchel & I check over
the line and cut the center
of the street out. go to Hackensack
that night but do not see Curro.

Tuesday May 23 1911

George Mitchel & I Reg at
center of N. & S. line between
to M.E. & run east line
turned a right angle to
the true N. & S. line.

@ 164.90 Hub, 300 stake
 376.40 Hub, 390 cross road
 N. 10° + S. E. 425 intersection
 N. + S. 600 stake in swamp
 635.97 Hub in swamp
 694 cross old road in edge of
 swamp,
 716 leave meadow again
 N. 70° E. 866.40 Hub end of line.
 We then go back and
 put in the block corners
 and run out the north side
 of the ~~block~~^{lots} on the South side
 of Center street the lots being
 50 ft ~~long~~ wide.

Weds. May 21. 1911

George Whitcomb + I go to
 the ~~lot~~. Meander previously
 set by Curro + set in a two
 inch pipe four feet long. We
 put it in a bed of concrete
 and then I try to catch the
 4:30 p.m. train for Walker
 but miss it so I get
 Cliff Long to take me to
 Waltham so I can catch
 the midnight train for Walker

Thurs day May 25 1911

I go from Walker to Cyphers
on the freight and then walk
out to Beard's place. We look
for M. C. No 22 on Turtle Lake
but find nothing. I go to
Walker on P. M. train to get some
more notes + a plot.

Over night @ Chase Hotel.

Friday May 26, 1911.

Take morning train to Cyphers
and then walk out to Howard Quicks
place where I am going to stay.
We look up corners all afternoon.
We found the cor of secs 5+6
on the town line but it does
not check out for courses or
measurement, so we pass it up.

Oswal Warner and E. Beard
got in $\frac{1}{2}$ day as armen and
Earnst Moller $\frac{1}{2}$ day chaining
Over night @ H. Quicks.

Sat. May 27, 1911

worked all day on Beard
road survey. I set the $\frac{1}{4}$ post
on the north side of sec. 6
141-30 and then I start
Glen Mcivor in cutting out
the line. Beard & Orville
Miller & I go down to the
 $\frac{1}{4}$ post between secs. 5 & 6
and try to find the Bts there
but we cannot so we
quit for night & I take the
P.M. train to Walker.

E. Beard, Orville Miller
get in one day Glen Mcivor
gets in ~~1~~ 2 day. over night
at Chase Hotel.

Sun. May 28 1911

all day in Walker writing
up note.

Mon. May 29 1911

Go to Cyphers on morning train. we go to twp cor. on n.w. cor of sec. 6 141-30 we find all the B.T. stumps from which we set the cor. & then start a line East at $8^{\circ}30'$ Var. and one south @ $8^{\circ}30'$ V. I put Glen McDube to work on South line and Orval Warner to work on East line and E. Miller at work cutting out line East of $\frac{1}{4}$ post on N. side of sec. 6 141-30. Orville Miller & I go down the west twp. line and set the $\frac{1}{4}$ post on west side of sec. 6 141-30. We then pace thru to the cor. of 6 & 7 on twp. line. we find the B.Ts. here but haven't time to set it. ~~I take the P.M. train for Walker over night @ Chase Hotel, at H. Quicks.~~ Orville Miller, Earnst Miller, Orval Warner get in $\frac{1}{2}$ day. Glen McDube worked an hour & quit

Sunday May 30 1911

Rained all day I go to
Walker on P. M. train.

Wed. May 31 1911

Curo got back. I walk to
H. Quicks from Walker and
look for the post on south
side of sec. 7 141-30.

I found nothing.

Orval Warner got in
1 day cutting brush on
west trap line.

Thursday, June 1 1911

I walk to Walker from
quicks, get the transit and
take morning train to
Cyphers. Orval Warner &
Orville Miller meet me at
Cyphers and help me carry
the outfit out. We take
it to the trap car and start
a line east as follows

Beg. @ Trp. car. or N.W. Cor
sec. 6 141-30 we run east
@ 8°30' var. @ 108.40 Hub
200 stake 473. 85 Hub. 585

enter swamps, 600 stake in
 edge of swamps. 696 leave swp.
 827.50 Hub. 900 stake 1070 enter
 swamps. 1200 stake 1250 leave
 swamps. 1394.20 Hub. 1495.90 Hub
 1500 stake, 1800 stake, 1877.35
 Hub. enter swamp, 2100 stake
 2319.80 Hub in road, 2400
 stake (Q) 2435 true N. E. stands
 South 17.50 ft. This witness
 cor. sets 132 ft west of true
 1/4 post on N. side of sec 6
 141-30. we quit for
 night. Orval Warner + H. L.
 Miller agree, Orville Miller
 + Ernest Miller chaming.
 Over night @ H. Quicks.

Friday June 2 1911

Beg. @ $\frac{1}{4}$ post on N. side
 of sec. 6 141-30 we run
 East @ $8^{\circ}35'$ V. @ 300 stake
 leave swamp, 390, 400 Hub
 600 stake, 705 Hub, 900 stake
 995, 85 Hub, 1175 enter
 swamp. 1200 pin, 1290 leave
 swamp. 1360, 85 Hub, 1500
 stake 175 4.35 Hub, 1500 stake
 1950 enter meadow. 2000 leave
 meadow. 2100 stake, 2209.80
 Hub. 2400 stake. Quit for
 night. Orval Warner &
 H. L. Miller axmen
 Orville Miller & Channing
 Over night @ H. Quicks.

Sat June 3 1911

we continue our line of
yesterday. @ 2400 stake,
(2564.65) Hub, 2640 temp $\frac{1}{4}$
post on N. side of sec. 6 141-30

We look around here for
trees and find where A.W.
Moulster set the cor. & set the
Machine upon his corner &
find the stump of all the Bts.

They are not marked but they
check out so good for corners
& measurement that close it.

@ 2694 true cor. sets South
13.50 ft. Quit for night as

it is raining. Orville Miller &
Earnst Miller claiming & E
Beard & Orval Warner
claiming. I go to walk
over night @ chase.

Sunday June 4 1911

I walk from Walker to
Quicks place get dinner &
then get Orville Miller
& we correct our north
line of Trus over also a.
w. Moslerster survey

Quit for night @ 7:30 p.m.
over night @ Quicks.

Orville Miller gets one
half day

Monday June 5 1911

Reg @ Trus. cor. N.E. of
sec 6. 141-30 We run
South at $8^{\circ} 30' N.$ @ 300
stake 307.50 Hub, 861.60 Hub.
1122.10 Hub, 1719 Hub. 2053.
Hub. 2523.30 Hub @ 2631 true
4 corners W. 10.5 ft.

Quit for night and I
take the train to Walker
so I can get the bills in
to commissioners meeting.

E. Beard & Gustave Hamnerstrom
axmen Howard & Orville
Miller chaining.

Tuesday June 6 1911

I walk out to ranch
and check over the line
we run yesterday I get
my dinner and get Glenn
McIver + Gustave Hammersten
to help me lug the surveying
out fit out of the woods to
the Sanitorium. over
night at Walker Chase
Hotel.

Wednesday June 7 1911

all day in Walker no
charge for today I take
the night train for
Pine River

Thursday June 7 1911

I get a livery team and
drive out to Shepherd's place
I get in one day for Wabado
Twp. over night at Shepherd's

139-28₂₅

June 9 1911

We go to cor. 9-10-15-16
where Gov. notes call for

N. P. 20 N. 85 E. 40

N. P. 15 N. 75 W. 10

N. P. 28 S. 70 E. 47

We find all the stumps
of the trees but there are no
marks on any except the S.E.

one. Curro has been here before
us and set the cor. We check

up on this which we find
correct and then start a

line West @ $8^{\circ}25'$ N. @ 150 leave
meadow, 244.50 Hub, 300 stake 600 stake

859.40 Hub, 900, 1200 stake 1238.90 Hub

1409.10 Hub. Here we turn off a 60° angle
so as to go around a slew @ 1500, 1800

stake, 1879 Hub, 2100 stake 2283.75

form an intersection. We then go
to our Hub across the slew

and continue West. quit for night
over night at Shepherds. Earnest

Thomas, Lawrence Shepherd admen
T. Shepherd got in one half day

chaining & Leslie Shepherd got in
one half day chaining

189-28

29

June 10 1911

Continue our line of the 9th west
@ 2400 stake 2406.45 Hub 2640
Temp $\frac{1}{4}$ cor. Nothing here so continue
2700 stake, 2800 enter meadow 3000 stake
3100 leave meadow, 3136.30 Hub
3181 Center of wagon road N.E.T. S.W.
3300 stake, 3325.60 2nd 3400 enter
meadow. 3530 leave meadow 3600 stake
3689 Hub. 3900 stake enter meadow
3978 center of wagon road in meadow
4134 center of wagon road - -
4200, 4500 stake 4645 leave meadow
4564.10 2nd. 4800 5700 stake
5225.88 Temp cor post. We
spend the rest of the day looking
for Bt. here but find nothing.
Fettie Shepherd & Lawrence ^{Shepherd} arm.
Earnest Thomas & d. Channing. Just for
night over night @ Shepherd's.

139-28

30

June 11 1911

We go to cor of 4-5-8-9
and look for Bts. here but
find none. We then
go to the ty post between
secs. 8-9 and look for
Bts. here. We find nothing
and quit for night on
account of rain.

Earnest Thomas, Lerdie Shepherd,
Laurence Shepherd, and
T. Shepherd get in one half
day. over night at Shepherd.

139-28³ Wabedo Exp.

June 12 1911

We go to the end of our
line that we left Saturday
and continue west. @ 300,
600 stake, 835.90 Hub, 900,
1200 stake, 1335 Hub. 1500,
1800 stake, in top of stump
1868.40 Hub 2100 stake
2164.20 Hub, 2300.60 Hub
2400 stake, 2640 temp 4 cor
We look for Bts. here but
as we find nothing continue
west 2700, 3000 stake
Quit for night, Leslie Shepherd,
Lawrence Shepherd, Armer
Earnest Thomas & d chaining
over night @ Shepherds.

139-25 ³² Wabedo Trapp.

June 13 1911

Continue our line, off the
12th, West @ 3300 stake
3341, 40 Hub. 3600 stake 3823, 50 Hub
3900 stake 4148 Hub, 4200 stake
enter swamp, 4500 stake, 4800 stake
4890 leave swamp 5023 Hub, 5700
stake 5247 Temp. Cor. post. We
spend the rest of the afternoon
in looking for pts. but find
nothing. Quit for night, over
night @ Shepherd's Leslie & Laurence
Shepherd axmen Earnest Thomas
& I chaining

139-28

83

Wabedo Twp.

June 14 1911

Continue our line of the 13th west
@ 26.90 Hub. 300 stake enter
swamp 600 stake, 825.90 Hub
900 stake, 1084.50 Hub, 1200 stake
enter Bog. 1500 stake 1150 leave
bog. 1741.70 Hub. 1800, 2100,
2400 stake, 2640 temp, 4 foot
we look for pits. here but as
we find none continue west
@ 2700, 3000 stake, 3162.40 Hub
3300 stake, 3339.10 Hub. 3600,
3900 stake, 4029.50 Hub.
Quit for night, Over night at
Shepherds. Laurence & Leslie
Shepherd axmen, Earnest Thomas
& chaining

139-28³⁴ Wabedo

June 15 1911

Laid up all day on account
of rain. Over night @
Shepherds,

June 16 1911

finished up our survey
east & west and put in
rest of the day looking
for the couch. We find
nothing so quit for night
over night at Shepherds.
Leslie & Lawrence Shepler
Annen Earnest Thomas
& Channing.

139-28³⁵ Wabedo Twp.

June 17 1911

T Shepherd + Lawrence
Shepherd + I go to cor of
9-10-15-16 - 139-28. This
cor. has been previously
set by Curo. We check up
on it & then set an 8x8x36
inch cement stone for cor.

We then go to cor 3-4
- 9-10 - 139-28 which has
also been set by Curo. We
set an 8x8x36 inch cement
stone here for cor. after
checking up on Bts.

We then go to 4th cor
between sec. 3-4 - 139-28
and set a cement cor. 8x8x36
here from Bts.

We then go to N. W. cor.
sec. 3 on town line
139-28. We find that
the cor. sets under a
culvert and also find
a stake under the culvert
driven by Curo for cor.
We pull up the stake and

put in an 8x8x36 inch
cement post for Cor.

Quit for night over night
@ Shepherds. Lawrence
+ + Shepherd helped me,
June 18 1911.

Lawrence Shepherd drives me
to Pine River so I can
get some more notes.
over night @ Jenkins.

June 19 1911
Go to Walker on p. M. train
get notes at Walker.
over night @ Chase
Hotel.

June 20 1911
Go from Walker to
Pine River on morning
train and then get a
livery team to take me
out to Shepherds.
over night @ Shepherds

139-28³⁷ Wabedp Trp.

June 21 1911

We go to N. W. cor. sec. 18
139-28 on trap line and look
for Bts. We find the M. C. No 1 and
find the stump of the Bts. to it.
We find that the cor has
already been set correctly and
also the ^{N. W.} cor of sec. 18 + 139-28
which sets south of M. C. No 1
64 links. We check up on that
+ find that it checks out good
with Bts. We then find that
@ 5249.20 the cor sets north of
our line 179.10 ft.

P. M.

We go to cor. 4-5-8-9-139-28
and look for Bts. we find the
N. E. one from which we set
the cor. and then start a line
south at 8° V. @ 300 enter Hay
Meadow. 358 cross road E + W
578.20 Hub 100, 900 stake 911.50
back in log. 960 enter open swamp
1200, 1500, 1500, 2100 stake
2356.70 Hub leave swamp
2400 stake 2679.60 turn $\frac{1}{2}$ post

Nothing here so continue
 2700, 3000 stake
 quit for night. evening at
 @ Shepherd's T. Shepherd
 & Earnest Thomas Axmen
 Laurence Shepherd & changing

139-28

3rd Wabedo Trip.

June 22 1911

Continue our line of yesterday
South 3925 enter bog

3300 stake 3400 leave bog

3462.70 Hub 3600, 3900, 4300, 4500

stake 4617.50 Hub, 4800 stake

5100 stake 5319.60 temp. Corport

Nothing here so continue South.

19.50 cross E. + W. Survey line

300, 600 stake, 676.40 Hub

875 cross road S 10° W, 900, 1200

stake, 1500 stake 1573.55 Hub.

1769.75 Hub, 1800, 2100, 2400

stake 2640 temp 44 port Nothing

here so continue, 2700, 3000,

3300 stake 3546.30 Hub 3600

stake. Quit for night over night

@ Shepherds. T. Shepherd +

Earnest Thomas axmen.

Laurence Shepherd + drawing

139-28

40

Wabedo

June 23 1911

Continue our line south
3900, 4200 stake 4358.20 Hub
4500, 4700, 5100 stake.
5280 temp. cor. post. Nothing
here so continue 300, 600
stake 710.90 Hub. 900, 1200.
stake. 1245.50 Hub. 1500,
1800, 2100, 2400 stake
we then look for Bts.
and after hunting a
while we find them and
after that we set the cor
and then find that at
2408.20 true $\frac{1}{4}$ cor sets
west 343 ft. We then
go back to the cor 8-9-16-17
and set it from the cross
lines. Quit for night,
over night @ Shepherd
T. Shepherd + Earnest Thomas
axmen Laurence Shepherd
+ d. chaining

139-28 " Wabedo Sup

June 24 1911

Laurence Shepherd + I go
to cor T-9-16-17-139-28
and set a 8x8x36 cement
post there for cor. after
which we check over the
two lines.

Laurence get in one half
day, over night @
Shepherds.

137-32

42

Amel Twp

July 11 1911

We go to cor. 19-20-29-30-137-32 where Geo. notes call for

Jan 8 N 11 W. 12. = 7.92 ft

" 7 S 65 W. 58. = 38.28 ft

" 8 S 68 E. 43 = 25.38 ft.

W. Birch 7 N 82 E. 75 = 49.50 ft

We find all the trees but they are down. we set the cor. by proportionate measurement from face of Bts. after which we start a line west @ $8^{\circ}30'N$.

@ 300, 600, stake, 625, 607 Hub.

900, 1200, 1500 stake 1661

Hub. 1800, 2100, 2400 stake

@ 2566.80 true cor. set South

12.45 ft. We found the

S.W. Bt. for the 4 cor and

set the cor from that

Correcting back

Hub 625.60 goes south 3.03 ft.

Hub. 1661 goes south 8.05 ft.

~~Hub.~~

137-32

43

Ansel Twp.

July 16 1911
P. M.

Beg @ $\frac{1}{4}$ post on south side
sec. 19 - 137-32, previously set
by me, we run ~~line~~ west @ 8°
25' N. @ 300, 600 stake
664.70 Hub. 900, 1200 stake
1290.60 Hub. 1500, 1800 stake
1935.80 Hub. 2100, 2400 stake
2717.80 true S.W. cor, 19-137-32
bears ~~South~~^{North} 44 ft.

We hunted here for Bts. +
finally found the N.E. one
plainly marked from which
we set the cor, all the other
trees are gone. Some other

Surveyor has been here and set
the cor. which we find correct.
Quit for night, over night @
Burtons. check over line.

R. R. Armaueron + Ed. Ellis
Axmen C. Rand chaining

137-32

44

Cinsel Trwp.

July 17 1911

Beg @ cor. 19-20-29-30-137-32
 previously set by us, run north @ $8^{\circ}30'$
 Var. @ 300 stake, 569.10 Hub. 600 stake
 608 wire fence E + W, 900 entered on
 1200 stake 1500 stake 1681.80 Hub
 leave meadow 1800, 2100 stake
 2157.20 Hub. 2400 stake @ 2614 true
 cor. bears east 5.55 ft. we found
 both Bts. No this $\frac{1}{4}$ post and
 the check out fine for course + measured

We then begin a new line north from
 this cor. @ 300 stake, 360 Hub 900
 stake, 1078.35 Hub, 1200, 1500 stake
 1539.80 Hub, 1800 stake, 2001.80 Hub
 2100, 2400 stake, 2621.80 Hub, 2640
 Hub, temp cor. 17-18-19-20. we
 look for Bts. but find nothing so
 continue 2700, 3000 stake
 3281.40 Hub 3300 stake. quit for
 night. Over night @ Burkons,
 Ed. Wilson, Ed. Ellis axmen
 Ole Rand + R. Rasmussen
 chaining

July 18 1911

Laid up on account of rain

137-32⁴⁵ Ansel Trwp.

July 19 1911

Beg at stake 3300 between
secs. 17-18-137-32 continue
North 3600 stake 3739, 40 Hub
3900, 4200 stake, 4227 Hub
4500, 4800 stake, 4978, 60 Hub
5100 stake @ 5271.55 true for
bears west 82 ft. we found
the N.E. Pt. standing plainly
marked and the stump of the
South East tree. We set the
cor. and start a line North
@ 8°30' Var. 300 stake. 567, 40
Hub, 600, 900 stake 1001 Hub
1200, 1500 stake. 1567 Hub.
1625 enter meadow 2100 stake
2177.60 Hub 2400 stake.
@ 2636.75 stake set by J. Wsher
sets east 22.75 ft. This cor.
was established by J. Wsher
and as they think it correct and
want to build roads by & use it
for road. & then start a line
North from this cor. @ 8°30' Var.
@ 300 stake 438.25 Hub 600 enter
swamp 750 leave same 900 stake
977 Hub 1200, 1500 stake 1621.45 Hub

137-32

Continued Cursed 2wp.

July 19 1911

1800 stake 2100 stake

2107.30 Hub, 2400 stake

Quit for night. Over

night @ Buttrons

Ed Wilson & Ed Ellis axmen

Ole Rand & R Rasmussen

chaining,

137-32 47 Ansel Twp.

July 20 1911

Beg. @ Hub. 2640.50 between
secs. 7-8-137-32 continue
north as we find nothing here
@ 2700, 3000 stake, 3269. Hub.
3300 stake 3600 stake 3650
enter swamp. E + W. 3816.95-
Hub in swamp 3900, 4200 stake
4432.75 Hub. 4500, 4500 stake
4955.10 Hub. 5100 stake @ 5257.85
true corners East 74.50 ft.

We find all the Bts. from
which we set the cor. corner &
measurements check out swell.

We then start a line north
from this cor. @ $8^{\circ}30'$ N.

@ 300, 600 stake, 731 Hub. 900 stake
1160.25 Hub 1200, 1500 stake 1645.90
Hub. 1800 stake, 2093.50 Hub. 2100,
2400 stake 2640 temp $\frac{1}{4}$ cor between
sec. 5-6-137-32. We look for
Bts. but find nothing. Quit for
night, over night @ Burtsons
O. Rand, R. Rasmussen
chaining Ed. Ellis, Ed. Wilson
Carpenter

137-32

48

Ansel Trip

July 21 1911

We go to $\frac{1}{4}$ post between
secs. 5-6-137-32 and look
for Bts. but we find nothing
so continue our line north
from temp. $\frac{1}{4}$ cor.

@ 2700 stake, 2921.40 Hub.

3000, 3300, stake, 3326.90

3600, 3900 stake, 3912.40 Hub

4200, 4500 stake, 4762.45

Hub. 4800, 5100 stake

5280 temp cor. We look

here for Bts. but find
nothing as the land has
all been burned over,

we then walk to $\frac{1}{4}$ post
between secs. 17-20-137-32

and look a long while
for Bts. B.B. Bartlett has
been here & set the cor.

and from his stake we find
the Bts. after which we set
the cor. Quit for night, over

night @ Burtons. O. Rand
R. Rasmussen chaining Ed Ellis
& Ed Wilson axmen

137-32

49 Ansel Temp

July 22 1911

Beg @ $\frac{1}{4}$ cor. between secs. 17-20
137-32 run west @ $8^{\circ}30'V$.
@ 300, 600 stake, 764.10 Hub
900, 1200 stake 1319.20 Hub,
1500 stake 1778.85 Hub in center
of wagon road N + S. 1800, 2100
2400 stake 2640 Temp cor.
17-18-19-20 we find nothing
2700, 3000, 3300 stake 3346 Hub
3600, 3900 stake 3954.50 Hub.
4200, 4500 stake 4548.45 Hub.
4800 stake 5027.60 Hub. 5100
stake 5280 Temp, $\frac{1}{4}$ post between
secs. 18-19-137-32 nothing doing
so continue. 5400 stake 5580.40
5600 enter same swamp 5700, 6000
6300, 6600 stake 6745.70 Hub.
Leave swamp, 6900 stake 6958
Hub. 7200 stake 7471.90 Hub. 7500
7800 stake. @ 7981. true cor.
sets North 259.50 ft. We find the
pts. here @ S.W. cor 18-137-32
and set the cor. quit for night over night
with Burton. C. Ransft & Cassmussen
chaining, Ed Ellis & Ed Wilson axmen

137-32 50 Angel Trip

July 23 1911

Rained all day land up.

July 24 1911

We go to cor. 19-20-29-30

137-32 and pull up the
hub previously set by
me from the four Bts.
and set a galvanized iron
pipe two inches in diameter
and four ft long in a bed
of cement for true cor.

We then go to cor.

17-18-19-20. ¹³⁷⁻³² which
cor. has been established
by me from measurements
from true gov. cor. found on
pages 44-45-49 this book.

We pull up the hub and
set a galvanized iron
pipe 2 inches in diameter and
four ft. long in a bed of
cement.

We then go to cor.
5-6-7-8-137-32 which
cor has been set by me from
gov. Bts. We pull up the

137-32 continued ⁵¹ Angel Ins

sub and set a galvanized
iron pipe 2 inches in diameter
and four feet long in a
bed of cement after which
we check over the lines.

Ed. Ellis + R. Rasmussen
helped me.

over night with Burton

Harry S. Todd.

139-30

52 Powers Trip

June 22 1912

I leave Bemidji for
Backus. R R fare 1.60
I telephone to Euro who
is out to Hans Larsons

June 23 1912

I walk out to
Lubens place and we
look for 14 on the N
side of sec. 34-139-30
we find nothing and
I go back to Backus
~~and~~ to see if Euro
has sent the instrument
in. He has not so I
stay over night at Backus

June 24 1912

Laid up all day wait-
ing for the instrument
over night at Lubens

139-30

53

Powers Imp

June 25 1912

We go to ~~Sec.~~ cor. on n.
side of sec. 27-139-30
previously established
by me and run a
line south thru the
centre of sec. 27-139-30
Mag. v. 5°. @ 30 cross
road grade bears E & W.

@ 283.40 Hub.

@ 839.50 "

@ 1426.20 "

@ 1871.20 "

@ 2563 cross wagon
road bears N 50 W.

@ 2618 Hub.

Here I leave for Backus
to see curo and the
men cut brush the rest
of the day.

J. A. Luebber

J. A. Whittemore

Waldo Luebber

139-30

⁵⁴ Powers Inf.

June 26 1912

Continue transit line
south thru sec. 27-

139-30 from Hub

2618 - @ 2830.40 Hub.

@ 3000 enter swamp
bears 370 W.

@ 3144.80 Hub in
swamp 3710.10 Hub.

3735 Wagon road
bears S 45 W.

3981.50 Hub.

4505.45 "

@ 5280 set Hub for
temp. 1/4 cor. on S side
sec. 27-139-30.

Here Gov. note call
for. N.P. 6 S 67 E 10

W.P. 8 N 32 W. 16.

we find the stump
of the N.P. but the NW.
W.P. has been cut off
close to the ground. We
find that both trees
check out perfect for
course + measurement

continued ⁶⁵ Powers Trip

so we drive a pitch
pine hub in for corner
with new Bts. as follows.

J.P. 4 N.W. 42.85

Red Oak 3 S.W. 42.50

We then find that
@ 5300.75 our line is
off to the west 27.30 ft
quit for night. over
night @ Lubbers.

J. A. Lubben

J. A. Whittemore

Waldo Lubben.

139-30

56

Powers Trip

June 27 1912

Reg. @ the cor. on N
side of sec. 34 - 13930
run South thru centre
of sec. 34. Mag. Var. 9°

@ 310 enter meadow
460 leave same

@ 909.50 Hub.

1116 enter meadow.

1250 leave same &

enter Tam & spruce
swamp. @ ~~74~~

1708 leave same

@ 2063 Hub. @ 2280

cross road bears

S 45° W. @ 2640

set Hub temp Centre

post. 2750 enter low
lands. @ 3280. 20 Hub

Here we take a stadia

measurement across the

river finding the dis.

To be. $550.50 \times 1.04 = 551.54$

and @ 3731.74 leave

River. quit for night

same crew.

139-30

57 Powers. Inf.

June 28 1912

Continue line south
 thru sec. 3 & we
 cut line and find
 that at 5281.20 true
 cor. bears E. 14.15.

Here Gov. notes call
 for N.P. 18 S 47 E = 129
 N.P. 20 N 4 1/2 E = 106

We find both stump
 of the Bts and set the
 cor. from flat measure-
 -ment from face of Bt.
 correcting back

2640 goes E. 7.10

2063. " " 5.55

909.50 " " 2.45

Correcting on N & S. Centre

Line of sec. 27 - 139-30

283.40 goes E. 14.5

839.50 " " 43.2 ft.

1426.20 " " 7.34

1871.20 " " 9.63

2618 " " 13.48

2830.40 " " 14.77

39-30

58

Powers Imp

continued

June 28 1912

3144.80	=	Gas	E	16.20
3710	=	"	"	19.10
3981.50	=	"	"	20.50
4505.45	=	"	"	23.20

Exp. Rec. #374

Powers Twp 189-80 June 19/2

21 22 23 24 25 26 27 28 29 30

Harry S. Todd

JA L. Libben

Waldo "

JA Whittemore

? 9 7 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1

JA L. Libben has \$4.00 in Todd's bond
Todd has 63 x 6/3 = \$1.25

62

Note Pages 62 To 67 were notes taken from all
field books for the Bug witness trial
at Walha Dec 1913 *ends*

Worked for US Govt as PE GLO. 1909

Sept 1 1894 Hinckley fire

May 7-18-1912

Surveyed for Noah Ritchie
18 years ago this fall
Fall of 1896

- 1st Hinckley Fire 1894 Sept 1st
- 2nd Ritchie Survey 1896
- 3rd Med Sept 28-1910 set stone
- 4 May 7-18-1912 run the line
E & W

- 1st Hinckley Fire 1894 Sept 19 years ago
- 2nd Noah Ritchie 1896 17th May 6-1896 ^{3rd looked} fled
3. Joe Hamilton 1898-9 15 years ago
- 4 Sept 28-1910 set stone
- 5 May 7-18 surveyed it 1912
- 6 Dec 19-1913

42

Oct 1910
Bottled
+ 5 years
before

Ned Sept 28-1910

Curo - Todd - Ole Olson - Hyalmer
We go get Ole Berg

as S.E. Co 31-137-29

U.S. Notes call for Post +

Tam $5N64\frac{1}{2}^{\circ}E574Ks = 37.62/ft$

YP $20N24^{\circ}W229 = -151.14$

We find the point of old lake
in a mound

May

Beg @ S.W. Co of 137-29 near E
along line line

@ 9.50 = 627. ft East up NE & SW

@ 17.74 = 1170.84 8" Tam up

1850 1221 up up NE & SW

4000 = 2640 = 2636.50 1/4" on line

4406. = = 2907.96 = 2904.46 near Ch

26" up stump on line

77.50 = 5115 = 5108 ends marsh mostly S
of line

8000 = 5280 = 5273.00 miles of

S.E. Co 31-137-29

BTS mhd

Bag @ SW Cor 32-137-29

1300 = ⁸⁶⁰858 ent Cranberry marsh NTS

2550 = ¹⁶⁸⁵1683 L₅ NTS

5281.35 = 8000 SE Cor 32.

Bag @ SE Cor 31 run West

@ 250 LKS = 165 ft L₁ marsh
NE & W mostly N of line

Bag @ SE Cor 31-137-29 Run N.

along true line set by me

@ 150 = ¹⁰⁰⁰99 ft L₅ marsh NE & SW

850 = ⁵⁶⁰561 ent same NW & SE

2250 ¹⁴⁸⁵L₅ same E & W

Surveyed by Harry S Todd - Cur
Geo Newman Jacob Pajumpu
Hjelmer Olson

Cur & Newman chained this
after the Alons was set May 7-8.
18-1912 Todd & Cur end
at May 15-1912

Twp cn

Pm 11 N 21° E 34

" 12 N 34 1/4° W 39

1/4 Aside 31

Oak 14 N 67° E 70

NP 30 N 71° W 33

SE cn 31

Tm 5 N 64 1/2° E 57 = 37.62

YP 20 N 24° W 229 = 151.14

WP 12 N 21° 27' W 147.35 ft

SE cn 32

YP 16 N 78 1/2° E 100

" 21 N 25 3/4° W 19

C.S. 8350 in 9th Standard Parallel

2350 Chas ^{155 ft} 31 + 32

Pm 30 N 81° E 82

Aspen 18 S 74° W 64

1st off 92.01385 in 5273
 15' " 23100346 " 5273
 15" @ 5281.35 should go 11.50 N.

to be in line.

00 on Line bet Corr

on 7.12 ft off a line extended
 thus both Corr

Note: Pages 42 To 6.7 are notes I
 prepared from my old field books

68

37

see FB 256 - Curo 1947 —

Birch Lake Twp. (49) 140-30

D

Friday Oct 16 1914

I leave Walker @ 9:28 A.M. arrive
at Hackensack @ 10:01 A.M. I
look up N.M.

Town Clerk

Get dinner at Grandma Curo's
and Spain drives me out to
Vane Blairagans where I spend
rest of P.M. Looking up crew +
corners. Over night @

Sat Oct 17 1914

We go to S.W. corner of sec 35
140-30 previously set by M.C.
Kemp. We find three of N.S.
Bts. and two new ones set
by Kemp. We also find Kemp's
corner which checks out
perfect with N.S. trees.

We then run east from
corner just set mag var 9°.
@ 727.60 Hub. @ 1200 set stake

@ 1564.50 Hub. @ ~~1688~~ 1688

Cross wagon road brs. NE + SW.

@ 1782 Hub on High Water
Mark of little lake 20 ft from
Waters edge. Here we run
off a 60° angle to find dis.
across Lake. Which we find

Burch Lake Imp. (70) 140-30
(Cont) ②

Sat Oct 17 - 1914
to be 1126 ft. ~~Contd.~~
Gint for night. over night
at Stewarts.

Bob Stewart. Frank
Van Blaricom. Fred Bushey
Ray Bushey Chas.

Sunday Oct 18 - 1914
cln Hackensack all day
No work.

Birch Lake Trip

(71)

140-30

③

Monday Oct 19 - 1914

Continue Transit Line East

@ 2908 Hub about 12 ft from
East edge of little lake. @

3285 Hub. @ 3811.20 Hub.

@ 4321.25 Hub in edge of field.

@ 4500 enter swp. @ 4787.70

Hub in swp. @ 4910 enter Lake

Here we turn a 60° angle
and find distance across
Lake to be 561 ft. @ 5430

To Lake @ 5448.70 Hub

on East bank of Lake @

5800 enter island @ 5871 —

Hub @ 5970 enter swp.

Find for night over night
@ Stewarts. Bob Stewart

Frank Van Blaricom. Fred

Bushey axman Ray

Bushey chain

Birch Lake Sup. (72)

140-30

(4)

Tuesday Oct 20-14

Reg @ Hub 5871 - continue
transit line east. Here we
turn a $5^{\circ}44'$ angle off to the
North and find distance
across lake + slough to be
1367 ft. @ 7235 Hub @
8024 true $\frac{1}{4}$ bro. south 18.60 ft.

Correcting back.

Hub 5448.70 goes West 99.37 ft
to 5349.37. Then S 11.93 to true
S.E. corner of sec. 35-140-30

We cannot set corner as it
comes in a little lake so we
run North 262.10 ft from
Hub 5448.70 (274.25 ft from
true sec line) then West 99.37
ft to a point 274.25 ft N. of
true S.E. corner of sec. 35.

Then backsighting on a
flag set 274.25 ft N. of
^{corrected} south sec line turn 90°
angle and run North Var $5^{\circ}26'$
@ 1320 (from true corner)
set Hub for temp $\frac{1}{16}$ corner
@ 1375 leave meadow

Beich Lake ^{Top 73} 140-30

(5)

Tuesday Oct 20 '94

and cross fence brs. E & W

@ 1465 enter garden field

@ 1486.70 Hub @ 1646 SW

corner of Van Blarcoms house

sets East 5 ft @ 1671 NW

corner of Vanis house brs E & W

ft. @ 1838.50 Hub @ 2267 Hub

@ 2640 Set Hub for Temp $\frac{1}{4}$ corner

We look here for Bts. the rest

of the day but find nothing

over night at Bob Stewarts

Bob Stewart, Frank VanBlarcom

Fred Bushey Armen

Ray Bushey + chaining

Birch Lake Twp

(74)

140-30

Wed. Oct 21 - 1914

Reg @ Hub 2640 Continue line
North between Secs. 35-36-140-30
@ 2750 enter Meadow. @ 3050
Lv same @ 3485 enter meadow
@ 3600 cross creek 30 ft wide
runs East @ ~~3710~~ 3750
Lv meadow. @ 3960 set Hub
for Temp $\frac{1}{2}$ cor. @ 4160
enter meadow @ 4520 Lv
same. @ 4650 enter surf @
5322 true W. corner brs. E
7.82 ft. We find two
Witness trees here, the S.W.
+ N.E. from which we set
the corner by flat measurement
from face of Pt. The S.W.
tree was plainly marked
standing green, and the
N.E. tree was burned so
badly that it was impossible
to see any marks on it, but
Frank Van Blaincom says that
this tree was marked about ten
years ago, and was the tree
that B.B. Bartlett used when

Busch Lake Sup (75) 140-30

(cont) ⑧

Wed, Oct 21 - 1914

he set the corner fifteen years ago. We find no trace of the S.E. tree. we drive in a 4x4x100 inch stake for corner.

Correcting back

Hub 3960	goes N 46.35°	ft + E 5.85
" 2640	" N. 30.90	ft + E 3.90
" 2267	" "	E 3.33
" 1838.50	" "	E 2.70
" 1486.70	" "	E 2.18
" 1320	" N 15.45	ft + E 1.95

Check over line + quit for night. over night at Stewarts.

Bob Stewart, Frank VanBlaricom
Fred Bushey axmen Ray Bushey
+ I channing

Oct 22 - 1914

No work Rained most all day.

Oct 23 - 1914

No work Rain.

Birch Lake Twp (P) 140-30

(9)

Oct 24-1914

We go to S.W. corner of sec
35-140-30 previously set
by me and run north up
road Mag Var $7^{\circ}30'$

@ 1320 set temp $\frac{1}{4}$ corner

@ 2640 set Hub for temp
 $\frac{1}{4}$ corner. We find no trace
of any Bts. There so continue

north @ 3920 cross creek
(4 ft Culvert for bridge) @ 5300
intersect corner to secs.

26-27-34-35, 140-30.

Now U.S. notes call for stake +
following Bts.

W.P. 24 N 27 E 138 W.P. 24 N 37 W 71

N.P. 12 S 76 W 80 N.P. 10 S 8 E 190

We find the stumps (marked)
of the N.E. - NW - + SE trees
but no trace of the SW tree. We
set the corner from face of
Bts by flat measurement.

The trees check out perfect with
each other. Correcting back

Hub 2640 goes north 10. ft

" 1320 " " 5 ft.

Birch Lake Twp. 78. 140 - 30

cont.

Oct 24 - 1914

Then Beg @ Conedict

Hub. no. 1325 run E Var 9°

@ 795 Hub @ 900 enter

meadow @ Hub 795 we

turn a 5°44' angle off to
the north + find dis across
meadow to be 935 ft. + 795

= 1730 @ 2235 Hub @

2335 enter meadow

@ 2700 Ls same @

~~2444~~ 2730 cross road hrs

NE + SW. @ 2914.80

Hub 36 29.80 Hub.

quit for night
same crew.

Oct 25 - 1914

No Work Sunday

Birch Lake Twp (79) 140-30
(11)

Oct 26 - 1914

Beg @ Hub 3629.80 continue
transit line E. @ 3750
Cross Wagon road obs NE
+ SW. @ 4421.50 Hub
@ 5354 true 1/4 corner obs
3.43.50 ft.

Correcting back

Hub 795	goes S	6.45 ft.
" 1730	" S	14.05 ft.
" 2235	" S	18.15 ft.
" 2914.80	" S	23.68 ft.
" 3629.80	" S	29.50 ft.
" 4421.50	" S	35.91 ft.
" 5148	" S	41.82 ft.

Then using corrected Hub
~~795~~ 850 as station No 1 run
as follows Mag Var.

Station	Course	Distance	Station
1	N 50° 52' E	306 - ft	2
2	N 76° 55' E	582 ft	3
3	S 23° 18' E	357.75 ft	4
5			6

Station No being corrected
Hub No. ~~795~~ 1800 in true 1/4 line

Biach Lake Twp (80) 140-30
(Continued)

Oct 26 - 1914

In P.M. Bob Stewart & I
take his team and drive to
 $\frac{1}{4}$ on East side of section
35-140-30 (previously set by
me.) where we set in a
2 x 48 in galvanized iron pipe
for corner with new Bts
as follows.

Popl 6 N 85 W 28.85 ft.
Lead pop. 12 N 45 E 62.10 ft.

We then go to $\frac{1}{16}$ corner 1015-
 $\frac{1}{4}$ mile north of S.E. corner of sec.
35-140-30 where we drive
a 2 x 48 inch galvanized iron
pipe for corner. We then
go to a point ~~274.25~~ 274.25
ft north of S.E. corner of sec
35-140-30 where we drive
in a pipe 1 inch by 12
ft for witness corner
to S.E. corner of said 35-

Quit for night. over night
at Stewarts. Ray Bushey, Fred
Bushey, and Frank Van Blawcom
get $\frac{1}{2}$ day. Bob Stewart gets $\frac{1}{2}$
day with team.

Birch Lake Twp. (81) 140-30

(13)

Oct 27 - 1914

Bob Stewart & I drive to S.W. corner of section 35-140-30, previously set by me where we set a 2x48 inch galvanized iron post for corner with new Bts. as follows:

oak 12 N 78° 5' W. 93.00 ft

oak 43 77° 47' W 77.50 ft.

oak 2 S 40° 37' E 51.20 ft.

Pop. 6 N 61° 23' E 50.95 ft.

We then drive to $\frac{1}{4}$ between secs. 34-35-140-30 previously set by me where we set in a 2x48 inch galvanized iron pipe for corner. We then drive to $\frac{1}{4}$ corner No 11 ($\frac{1}{4}$ mile N of S.W. corner of sec 35-) where we set in a 2x48 inch galvanized iron pipe (set its full length in the ground) for corner ~~with it~~. We then drive to S.W. corner of section 35-140-30 (previously set by me) where we set a

2x48 inch galvanized iron
pipe for corner with
new Bearing trees as follows.

J. P. 10 S 28° 25' W 19.10 ft
" 10 S 19° 33' E 48.78 ft.

Bob Stewarts takes me to
Hackensack in P. M.

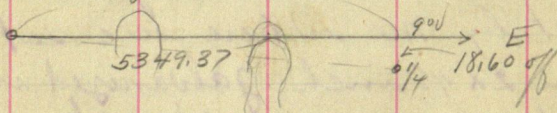
Bob Stewart gets full day
with Team.

140-30

35

36

8024.00



Village of Walker.

^{for}
Rogers and Schritner
Monday April 19. 1915

Curo & I search for
permanant stakes
on W line of platted
portion of Village
We find old hubs
previously set by
Curo. We also find
stake at SW cor. of
platted portion of
Village.

84
Village of Walker
Torr.

Rogers & Schibner

Tuesday April 20.

Rogers Chairman

From Griffiths cor. on
Fifth St. and Cleveland
B & O, where I find a
spike set by Curo for
true cor., offset 2 ft
offset W. 100 ft from true cor
at Queens. Run line
thru offset pts and extend
it to Mich St.

From pts 2 ft. east of offset
on M & I R.R., Minn St & Mich
St. I chain W 1580 ft to
true W line of platted portion
of Village.

@ 1580 W in center of R.R.

Set spike and run line thru
hub set N of R.R. by Curo
for true W line of village
to temp cor on W side of Ninth
St.

To establish cor on

Ninth St. & chain 70 ft
W and 90 ft N from a pt in
center of R.R. 1580 ft W of
Griffiths true cor on
Cleveland Bk'd and
Fifth Ave. Drive metal shot
gun barrel

By setting 50 ft. from temp
cor on Ninth, curd's hub
and Hub in R.R. 1580 ft
W of Griffiths cor. I run
S and find that line
does not ck with hub
set for true cor to Mich and
Ninth St.

From pt. 50 ft W of true
cor. on Ninth St. I run a
line thru a Hub set from
Measurement from Duane's
known cor.

Village of ⁸⁷North

Wednesday. April 7, 1915

To establish cor on North &
Mich. St.

Run
a true W from known
known cor thru a known cor
at Carlson's bar garden
(SE cor.) and where it
intersects true W line of
Village I establish cor to
North and Mich. Sts.

German Transit

Rogers chain

Village of Walker for
Rodgers & Scribner.

Thursday April, 22, 1915

From True cr. on North
and Minn sts. extend
N line of St dividing
it into 50 ft 70 ft

@ 4.50. intersect. grade.

Stake 20 lots on N side
of Minn. St extended. &
5 lots on S side of Minn.,
st extended.

Rogers chain
Barnum Transit

Village ⁸⁹ of Walker
707
Rogers & Scribner.

Friday April 23 1915
Gorman Transit
M. Penny Chain
Run line 5 cuts and
establish cor's to Mich.
St and Fifth Ave.
start line West on
N side of Mich St.
Run in P. M.

Saturday April 24 1915
Gorman Transit
Murray Penny Chain.
Coral Warren ^{apman} chain.
From station 18. I turn
a right angle and
chain 360 ft E and set
hub for true N side of
Mich St. Chain 70 ft
S from hub for true S side
of Mich. St.
From Hub at 360 turn
90° to the east and run
N side of Mich. St.

90

Village of Walker
Rogers and Scribner
Sitting Hubs every 50 ft

Sunday April, 25, 1915.
AT Chase Hotel.

Monday April, 26, 1915.
Gormain Transit
Many Penny chain
Orval Warren at
From Hub 1 on
N side of Mich St
chain 70 ft S. from
hub 18 on N side of
Mich. St. chain 88
70 ft. Through these
two pts I run parallel
line to North side of
Mich. I setting Hubs
every 50 ft.

at Hub 23 + 25.75
intersect Right-of-Way
of G. N. R. R.
23 + 75.75 intersect
center of G. N. R. R.

From pt where S Mich
St. line intersects
R.R. I take angle
of R.R.

at 50 ft	107° 20'
at 100 ft	107° 53'
" 150 ft	108° 15'
" 200 ft	108° 50'
" 250 ft	109° 19'
" 300 "	109° 52'

Tate station 12 + 10 ft
North line of Mich St
intersects Road

I go to Miner St.
and finish staking
Hub 26 + 42.24 on
N. line intersect
R.R. right-of-way.

On S side of Miner
St.

at 26 + 13.5 intersect
R.R. right-of-way

From pt. in center
 of G. M. R. R. on S
 line of Skinn St.
 of true angle.
 Find angle from
 true line to R.R. to
 be $123^{\circ}34'$ (should be $113^{\circ}34'$)

94
Village of Walker
For Rogers and Scribner
Tuesday April 7, 27, 1915

Go to 4 cor on E line of
sec. For 4 cor.

I find fence post N
of W Haley's house which
Curro says is True 4
cor.

From fence post I
start line E at $110^{\circ}11'$ var.
which is parallel to
S line of sec.

Orval Warner is chain
man. Penny did not
come out in fore noon.

@	95	Hub
@	517	"
@	531	enter small pond
	690	2v pond
	735	G. N. R. R.
	751.5	G. N. siding
	880	M & S. R. R.
	933	Hub.
	992	"

1050 road

1506.5 HUB

1685.30

1859. Set 2x2 post for M.C.
on W Bk of Torch LakeWednesday April 28, 1915
Go to Ten Mile Lake

Thursday April 29, 1915

Sorman Transit

Penny chain

Warren ad

From a cor. fence post
across from cemetery
which Scribner say is
1/16 cor. on W line of Sec 22
I run random line E
an 17°30' Var.

To get by stone and
fence obstructions I
set 4.1 ft. To the S.

99.4 HUB

668.5 "

1563.6 "

1670.75 HUB
 1749.40 Miss stake set by
 Ely Wright on true
 line between Lat 3 & 4
 58.40 ft to the N
 correcting Back [031039]
 $58.40 - 4.10 = 54.30$ correction for
 upset.

54.30 = 031039 correcting
 1749.40

@ 1749.40 Hub goes S 58.40
 @ 1670.75 " goes S $51.85 + 4.10 = 55.95$
 @ 1563.6 " " S $48.51 + 4.10 = 52.61$
 @ 668.5 " " S $70.75 + 4.10 = 74.85$
 @ 99.4 " " S $71.98 + 4.10 = 76.08$

I go to True cor to Lat 3 6-3
 & 4 and start Random
 line S (Var 130)

Time Sheet - Working for Rogers & Seaborn

April

May

	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8
Gorman	1	1	1	1	1/2	1	0	1	1	0	1	1/2	1/2	0	0	1	1	1	0	0
Reung				1/2	1	0	1	1/2	0	1	1/2	1/2	0	0	1	1	1	1	0	0
Warren					1	0	1	1	0	1	1/2	1/2	0	0	1	1	1	1	0	0

May

sum 9 10 11 12 13 14

Gorman 1 1

Friday April 30 1915
 Gorman Transit
 Revery chain
 Warner at
 Continue line to the S
 6 and 3.

Hub at 349.90

M&N RR 412.

Hub 3 650

" 837

1107.75

"

At this Hub 9 offset 125 ft
 to the E to get by oil tanks
 Running on offset
 line at 3165.75 of miles
 Bates Hub 70.3 ft to the
 E.

Correcting back (03315)

Hub @ 349.90 945 E 11.51

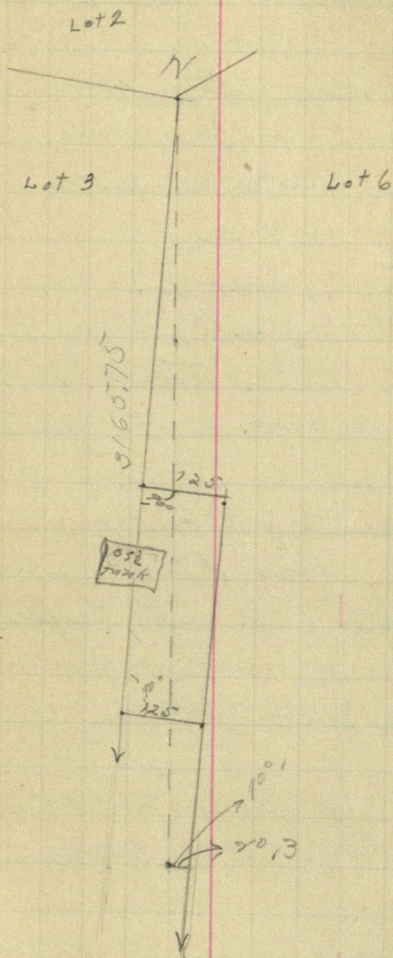
" " 650. " E 21.54

" " 837. " E 27.74

" " 1107.75 " E 34.89

" " 1593.5 " E 52.82

Worked in office in P.M.



Sat.

May, 1, 1915.

Gorman Transit

Penny chain

Warner A.

Start a true line thru
lots 6-3. overcorrected
Hubs. cut out line and
set True line stakes as
stated on previous page (98)

I run line thru iron
Monument. set by E. Ly
Wright and cor. at
Deering fence and
find they don't correspond
with $S\frac{1}{2}$ on W line of Sec.
27.

Work in office in P.M.

Sunday May 2 1915

In Mpls. Minn.

Monday May 3 1915
in Mpls. Minn.

Chain from corner
Ninth St.
at 375 intersect road along
R.R. right of way.

@ 50 8.75 intersect R.R. right of way
from pt where line intersects
R.R. of turn $15^{\circ}15'$ angle
and run to pt 331. pt where
line again intersects R.R.

continue line W from 9th St. at
747.1 intersect R.R.
at 884.49 intersect R.R. right of way
on S side of R.R.

331. to pt where line intersects
R.R. right of way on N side
of R.R.

from pt where line meets
Right of way 36.75 to center of
road

From pt on R.R. of way I set this
every 50 on each side of 66
ft road

Tuesday May 4, 1915.
 Gorman Transit,
 Perce chain,
 Warren Ry.

Starting at ~~iron~~ Monument
 on cor of Railroad St & 9th Sts
 I run line W extending
 Railroad St.

@ 395 ~~000~~ = center of Road
 508.75 = intersection of R.R. right of Way
 777.1 = " of R.R.
 884.4 = " of R.R. right of Way side of R.R.

From a pt 508.25 where
 line intersects Right of way I set
 stakes every 50 ft to West
 and corresponding stakes
 at right angles ~~to~~ to the
 N 66 ft for road.

at station No 4 = 400 ft.
 Starting at $\frac{1}{2}$ cor 6th & 7th Sts 2-
 3-6 of chain 5 775 ft from
 which pt I turn an angle
 and run line to the beach

Wednesday May 5 1915

Same Crew

Starting at a pt (508.25) where
a line from North St.
intersects R.R. right of way
turn $151^{\circ}15'$ angle and run
over stubs set previously
50 ft apart.

at 331.1 intersect R.R.
right-of-way and turn
 $173^{\circ}10'$ angle and run W
and from this pt 209.6 I
again intersect R.R.
right-of-way and turn
 $174^{\circ}32'$ angle and run
west 189.15 ft W to
intersection of R.R. right-
of-way.

From this pt 137.2 N
along $\frac{1}{16}$ line to SW cor of
Rogers Est.

Thursday May 6 1915
 Gorman Transit
 Penny Chain.

Robert Scribner & I
 divided east portion
 of B&K into lots.

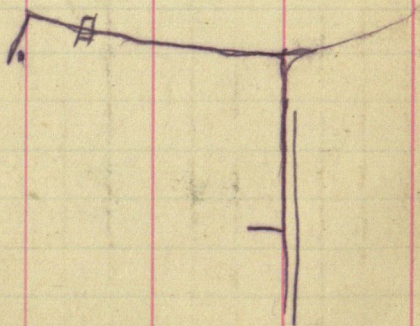
Friday May 7 1915
 I go to Mildred.

Monday May 10 1915
 Gorman Transit
 Scribner, A. and chain
 continue dividing block
 as shown in plat

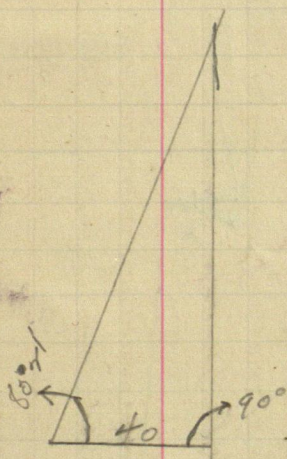
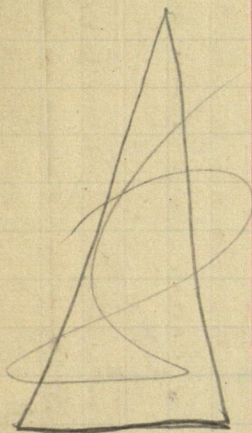
Tuesday May 11 1915
 Gorman Transit
 Scribner, A. and chain.
 At noon finish
 staking lots and
 begin plat in
 office.

Wednesday May 12, 1913
All day in office
en plat.

1355

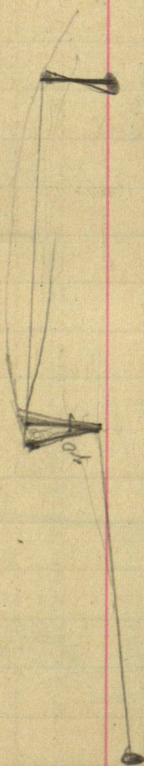


159



155

160



7238

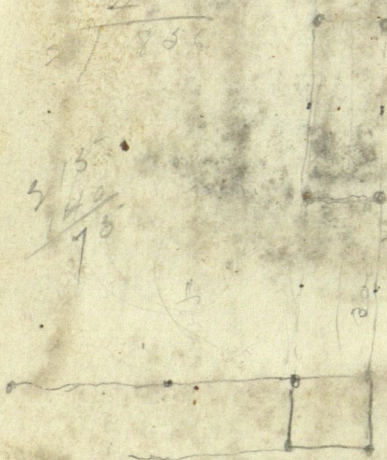
992

$$\begin{array}{r} 8 \\ \hline 560 \end{array} \quad \begin{array}{r} 66 \\ 66 \\ \hline 396 \end{array} \quad \begin{array}{r} 80 \\ 80 \\ \hline 5500 \end{array}$$
$$\begin{array}{r} 396 \\ \hline 2356 \end{array}$$
$$\begin{array}{r} 2356 \\ \hline 3500 \end{array}$$

Hy's 2124

27855

$$\begin{array}{r} 3/13 \\ 3/40 \\ \hline 13 \end{array}$$



Handwritten signature or scribble in purple ink.

0055'67

1009346

1007597

Hub 5.225.88 goes West
~~53.95 ft~~, 57.20

551.58

3280.20

3831.78

7238

5891

1347

3
1294
1291

1606

0.16061

0.0041