

229

DIETZGEN
TRADE MARK

ENGINEERS'
CROSS SECTION BOOK

No. 389

The B.F. Nelson,
Mfg Co 401 Main
Street NE. Mpls.

Guy Nelson

Note

This book belongs to
John W. Curo

Jenkins Minnesota

If lost: Finder please return
this book immediately for
suitable reward-- We may
need the book badly

John W. Curo
July 30-1932.

Index

Addresses page 3-37

Hubbard Co Farm Deed Nov 1-1934

120 A. \$800 N $\frac{1}{2}$ NE $\frac{1}{4}$ ^{and} N $\frac{1}{2}$ S $\frac{1}{2}$ NE $\frac{1}{4}$
Sec 19-139-35 P9 36-48 This book

INDEX Page 50

3

Lands owned by The B. F. Nelson Mfg Co
401-3-5 Main St NE Mpls Minn
G. H. Nelson Pres ("Guy")
May 27-1932. John W. Curro

Hubbard Co Pg 35 - 36 - 48
Crow Wing " 26 - 29
Cass " 27 - 28 - 30 To 34

Itasca Co Pg 4 To 24

(4)

Copy

From Ward McCann Field book Pg 7.
Copied by Caro May 26-1932.

Sec 18-T56-R22 Itasca Co Minn.

Dated 6-17-1929

McCann EXIMANER 160a.

E $\frac{1}{2}$ NE $\frac{1}{4}$ TAXES 1930 = \$23.38

E $\frac{1}{2}$ SE $\frac{1}{4}$ " " \$23.38

(18)

Railroad D. M. & N.



E $\frac{1}{2}$ of E $\frac{1}{2}$ Sec 18-56-22 - 160 acres
Rail road runs on this land about as indicated
this land is rough and rolling No timber
but poplar brush some meadow near S. Line
good road $\frac{1}{4}$ mile west Map shows R.R.
at corner of this section but sec is plain
10 rods East of road - 6-17-29 By
Ward McCann (Owner for Nelson)

copy

Sec 20 T56 R22 I/asco Co Minn

6-7-29 McCann

160 acres

NW 1/4

Tax 1930 \$42.12

D. M. N.

20

Pg 8-9. McCann Field Book: No timber on
 on this land Partly level: Clay soil
 some brush and stone

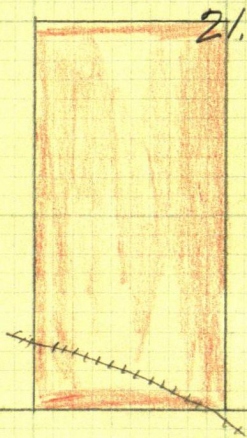
Rail road runs about as shown on plat
 Gravel road 1/2 mile West

6

Copy

Sec 21 T56 R22 Itasca Co Minn

E $\frac{1}{2}$ SW $\frac{1}{4}$ Tax 1930 \$ 16.91
 80 acres McCann Examiner
 Land fairly level Paplar brush. Some
 slow Grovel road about 2 miles
 west Railroad runs about as
 marked on plat
 Page 10-11 McCann field book
 Copied by John W Cune May 26 and
 July 30-1932



7
Copy

Sec 23 T.57 R.22 Itasca Co Minn

SE SW 23-57-22 Ward McCann's report
to B.F. Nelson Co June 11-1929.

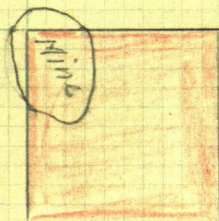
This land has nothing on but poplar
brush. Buildings of all kinds have been
removed including R.R. tracks.

The Birch Snake stock and frame that
elevated the car are the only things
remaining. Car pit cuts into other
property about as marked on plat.

The cause of this is on account of land
slide. I do not think there has been
any car taken from the other lands.

There are 3 large piles of car left may
not be worth shipping.

23



40. acres 1930 Tax \$11,800.40
6% royalty 825.00

Note: Copied from Page 2-3 McCann
field book dated 6-11-29

Copied by John W. Cress May 26-1932
and July 30-1932 Bray Mine
Curo Report Page

✓

8

COPY

T54 R23 Sec 2. Itasca Co

SW $\frac{1}{4}$ Sec 2. T54 N R. 23 W

160 acres Cut 86-87-88

Taxes 1930 on 160 acres \$32.44

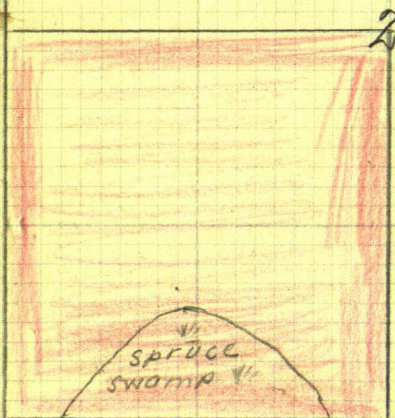
McCorm: 6-18-1929

40 cords of spruce pulp on S $\frac{1}{2}$ of NE $\frac{1}{4}$

Land low and flat Clay soil some stone

Road on EW $\frac{1}{4}$ line

This describes C&S 10.



Notes:-
 This estimate
 may be for sec 10.
 C&S Jan 31-1933

copy

T54 R23 Sec 10 Itasca Co

Sec 10 T54 R 23 160 acres

S $\frac{1}{2}$ NE $\frac{1}{4}$ Taxes 1930 = 19.36

N $\frac{1}{2}$ SE " " 22.63

100 cords spruce and Balsam pulp
in swamp marked on South side

Bal of lanel rough
and stony

Lots small poplar

This describes
(also) land on
Sec 2.

McCann 1929

10

Copied from page
38-39 McCann
Field Book by Curo

May 27 + Aug 3-1932

Note: No swamp shown on plat only
dim line evidently erased

John W Curo May 27
Jenkins Minn 1932

Nat-

must mean per 2
for timber
estimate - ?

Curo
Jan 31-1933

Beel

COPY

T54 R23 Sec 12 Ilosca Co

120 acres

Sec 12-T54 R23

N $\frac{1}{2}$ NE $\frac{1}{4}$ Taxes 1930 \$22.63

SENE " " \$ 16.22

McCann 6-18-1929

No timber on this 12 land
rough lots of small brush

Note:

Copied from page 40-41 of McCann
Field Book by Curo May 27-Aug 4
1932

copy

754 R23 Sec 24. Ilosco Collins

E 1/2 NE 1/4 Sec 24-54-23

McCann 6-18-1929

80 acer cut 1893

Tax 1930 = \$ 19.36

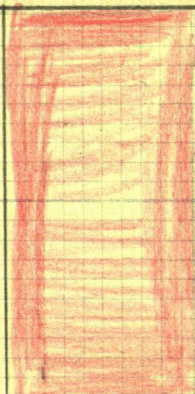
stumpage sold 1893

Nothing on this land

burned over 3 years ago

Level clay soil few stones

24



Not: copied by Curo May 27 - Aug 3
 1932 McCann Book P 442-43

Copy

T55 R23 SEC 14 Itasca Co.

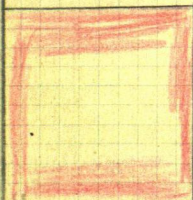
NW SW 14-T55 R23 = 40 acres

McCann - 6-18-1929

Taxes 1930 \$8.75

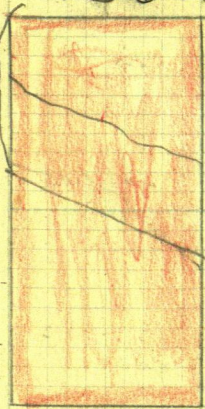
No timber - Rough and stony. Lots of brush

Good road 2 miles East

Hi power line runs past this
land 1/2 mile NorthCopied from page 34-35
McCann book(14) By Curo May 26
and Aug 3-1932Copied from page 36-37
McCann book by Curo

Copy

T56 R23 Sec 15 Itasca Co Minn



Page 4 McCann Field Book
Dated 6-17-29 Itasca Co Minn
W $\frac{1}{2}$ NW $\frac{1}{4}$ = 80 acres
Upham Mine

This land has nothing on but
poplar brush. Rough some
small swamps Road runs on
west line of NW NW then cuts
over to NE cor of SW of NW as
marked on plat and leads
out to highway

15

Note: Card attached to McCann Field Bk
says "Frank Hutchinson" Consulting
Eng'r Duluth - Upham mine 10/29/29
Page 4 and 5 McCann Book

W $\frac{1}{2}$ NW $\frac{1}{4}$ 15-56-23 This land has
nothing but poplar brush Rough some
small swamps Road runs on W. line
of NW of NW then cuts over to NE cor of
SW NW as marked on plat and leads
out to highway Dated 6-17-29

signed McCann

Note: Notax given Copied by Curo
May 26 and July 30 1932.

14

COPY

T57 R23 Sec 4

SENE 4-57-23 = 40.00 acres

Taxes 1930 = \$11.72

6-15-29 McCann

Page 12-13 McCann field book

This land is level, some
slope. Covered with small
paper. Is cornered NE by
cleared up farm

Good road from this house
to Nashwork

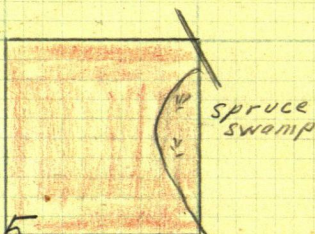
4

Copied by Cuss May 26 1932 and
July 30 - 1932

✓

Copy

T57 R23 Sec 5 Itasca Co Minn



SWNE Rough and brushy. One side
75. cords good spruce pulp.
Some dry Tam too rotten to be
of any value

W $\frac{1}{2}$ SW $\frac{1}{4}$: very rough in a small
swamp with a creek running into
Crooked Lake. 100 rods west there
used to be 150 cedar poles and 150
cedar ties. But on account of flood
on the 9th Crooked Lake raised the
water in this swamp from 1 to 6
feet so that I could not get to it
I could see no sign of road if

had been hauled out on
Went back to this land a few days later but
water had not fallen more than 3 inches

6-15-29 McCann

120 acres W $\frac{1}{2}$ SW $\frac{1}{4}$ Taxes 1930 \$ 24.17

SWNE 10.98

P41415 McCann Book

Copied by Curo May 26 and July 30 - 1932

Copy

T57 R23 Sec 12. Ilasco Co

W $\frac{1}{2}$ NW $\frac{1}{4}$ Tax 1930 \$24.90
 W $\frac{1}{2}$ SW $\frac{1}{4}$ " " 19.48.
 6-12-29 McCann
 160 acres Cut 1893-4

(12)

This land has no timber of any value Has perhaps 15 acres of spruce swamp in SW corner When I was here 6 years ago there was some spruce pulp in this swamp but there is not more than 2 or 3 cords now

This land is low and level but is not as clear of stone as I expected six years ago

I find there are a good many large flat stones that are just level with the ground

Good road on N side

Road on SO side to SE corner

copied by Caro from McCann
 Book page 16-17.

Copied by Caro May 26 July 30
 1932

SPRUCES
 SWAMP

COPY

T57 R23 Sec 18 Lot 1. Itasca Co

Lake

Lot 1

Not dated or signed
 35 acres Cut 1887-8
 Lot 1 Taxes 1930 \$10.25
 NENW 18-57-23

This land is level and partly high
 with some stone Good shore line from
 the center to SW Cor
 an old boat road runs from NW Cor of
 land on sec 21 to shore of lake at SW Cor
 of this land 18

There is no timber on this land
 there is a thick growth of poplar but
 not large enough to make any use of
 Main road 1 1/2 miles East

The N. half of this shore line is low
 back 100 feet

Copied from page 18-19 McCann Book
 by Curro May 26 - July 30 - 1932

Curro

copy

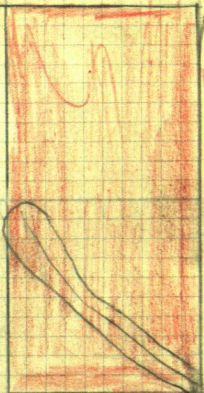
T57 R23 Sec 20 Itasca Co Minn

6-14-29 McCann

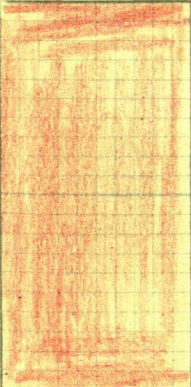
80 acres Cut 1893-4

E $\frac{1}{2}$ NE $\frac{1}{4}$ Taxes 1930 \$23.44This land is level clay soil
some stoneThere is a creek running thro
S 40 with some swamp or
marked on platNothing on this land but
poplar brush

20

Road E and W on $\frac{1}{4}$ line on
South end of this landAt NE cor of this land there is an old
road running to lake on Lot 1. Sec 18.A good road and a good farm on
SW $\frac{1}{4}$ Sec 16.copied from Page 20-21 McCann field Book
by Ceno May 26 - July 30 - 1932

T57 R23 Sec 21. Itasca Co. Minn



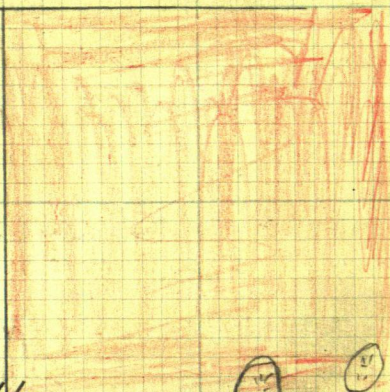
6-14-29 McCann
 80 acres Cut 1893-4
 W $\frac{1}{2}$ NW $\frac{1}{4}$ Taxes 1930 \$ 20.50
 This land is level with some
 stone
 Small poplar all over
 Road E-W on $\frac{1}{4}$ line on So
 side
 At NW Cor there is an old
 road running to lake
 shore on Lot 1 Sec 18

21

copied from page 22-23 McCann Book
 by Chris May 26 and July 30-1932

Copy
T58 R 23 Sec 11

6-15-29 McCann
160 acres Cut 1891-2
NE $\frac{1}{4}$ T₂₉ R₂₃ S₁₁



This land is level to timber clay soil
Some stone poplar brush all over
Small bog on SE Cor
Line run on E side might get 4 or 5
cords of spruce pulp if line was run on
west side as my pacing might be
some short

Good road 1. mile East

Copied from Page 24-25 McCann Book
by Curo May 27 - July 30 - 1932

Copy
T58 R 23 Sec 20 Itasca Co Minn

6-14-1929

McCann

160 acres

cut 1891-2

W $\frac{1}{2}$ NE $\frac{1}{4}$ Tax 1930 \$15.12

W $\frac{1}{2}$ SE $\frac{1}{4}$ " 1930 \$15.12

No timber on this
land Small brush
fairly level clay 20
soil with some
stones

There is an old tote
road on so side of
this land leading
to Washnauk

Copied from Page
26-27 McCann

book by Curo

May 26- and Aug 3
1932

COPY

T58 R23 SEC 26 Itasca Co

 $E\frac{1}{2} SW\frac{1}{4} = 80$ acres.

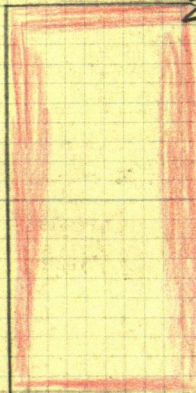
CUT 1892-3

 $E\frac{1}{2} SW\frac{1}{4}$ Taxes 1930 \$17.28

McCann 6-14-1929

This land has no timber small poplar
 all over Easy to clear Clay soil good
 road on south side leading in to
 northward Good farms along this
 road This land is level and new work
 land

26



Copied from Pages
 28-29 McCann
 Fieldbook by
 Cuss May 16
 and Aug 3-1932

Copy

T58 R23 Sec 28 Itasca Co

West $\frac{1}{2}$ NE $\frac{1}{4}$
 Sec 28 T58-23
 = 80 acres
 Cut 1891-2
 McCann 6-14-1929
 80 acres
 Tax 1930 \$12.96

28

No timber on this land now
 Land is rough - some stone
 There is an old loti road on south
 side leading to Nashwauk.

copied from page 30-31 McCann
 Field book by Curo May 26- and
 Aug 3-1932.

24

Copy
T58 R23 Sec 29 Itasca Co Minn

NE $\frac{1}{4}$ and E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec 29

T58 R23

McCann 6-14-29

240 acres Cont 1891-2-3

Taxes 1930;

E $\frac{1}{2}$ SW $\frac{1}{4}$ \$ 12.96NE $\frac{1}{4}$ 25.92

29

There is 70. or 80. cords of spruce
pulp on W $\frac{1}{2}$ NE $\frac{1}{4}$
in chaining out this land line
might not be just where my pacing
falls it on west side - in that case
it would give or take some pulp as
west line runs thro a Spruce swamp

Balance of this land nothing but
brush-rough and stony - Clay soil

Copied From Page 32-33 McCann Book
by Coro May 26 and August 3-1932

Copied
139-26 Sec 8 Cass Co Minn

Lot 1 - Sec 8 - 139-26

McCann 6-28-1929

Lake Washburn

5.32 acres

cut 1883-4

void

Has a shallow shore line out

5 to 600 feet with lots of rocks

The land is a high hog back from one rod to 10 rods wide

Directly back of this is a wet spruce swamp

The East line E hits the swamp north of the way

3/4 of a mile to make a road

In the name of Park Region Land Co

Taxes pd 1927 \$6.39

1928 4.37

Taxes returned \$10.76

Not Copied by Curo May 27-

Aug 3-1929 From McCann Book

19 44-45

COPY

136 R27 Sec 6. Crow Wing Co Minn

SWSW 6-136-27

36.73 acres cut 1883-4


Taxes 1930 \$ 10.44

McCann 6-28-1929

This land is level and sandy
except about 15 acres marked as
meadow. The land has thick
growth of small Jack Pine
50 or 60 cords large enough for
Balls. Good road on S. line

6

Note: Copied from page 60-61
McCann book by census
May 27 - Aug 3-1932


 Meadow

Copy

T 140 R 27 Sec 22 Cass Co Minn

Sec 27-140-27

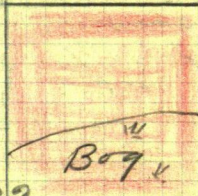
No date also Lt 2

Lt 2 = 39.50 acres Cut 1893-4

Taxes 1930 \$17.66

NENE 3 15.58

Lt 2 15.58



28

NENE has a few small white pine
 Lots of paper bark level clay soil
 Road on East sec line
 Lt 2 has 25,000 feet of paper bark
 10. acres bog on So side
 all So and East shore line is
 bog.

Nat'l. Copied by Cass May 27-Aug 3-
 1932
 From page 46-47 McCann Book.

28

? must be R29?
evid

Copy

T144 R27 SEC 28 Cass Co Minn.

N $\frac{1}{2}$ NE $\frac{1}{4}$

Sec 28-144-29

McCann 6-27-1929

80 acres

See letter to Howard

Hopkins Forest

Supervisor July 19-
1929

Ad to ch
for land state
1930

28

This land is partly level clay soil
not much stone about 75 cedar
poles From 25 to 35 feet they are
high land cedar and sound.

30,000 ft of yellow Birch

15,000 " Basswood

10,000 " young white oak

and some hard maple

Perhaps 20 cords of good spruce

lines are run and (some?) hubs
set all around this land

Note Copied by Cass May 27 & Aug 3
1932 From McCann Field Book
page 48-49.

COPY

T138 R28 Sec 35 Crow Wing Co Minn

E $\frac{1}{2}$ SW $\frac{1}{4}$ and NWSE $\frac{1}{4}$ = 120 acres
 120 acres Cut 1887-8

NESW 1930 Taxes \$10.51

SESW " " 10.50

NWSE " " 10.51

McCann 6-28-1929

NWSE 20,000 ft Norway

E $\frac{1}{2}$ SW 15,000 " "

35

This land is fairly level some sandy
 but good soil young paplar has
 grown fast since I was here 6 years
 ago Road $\frac{1}{4}$ mile East
 " " " West McCann

Note: Copied from Pg 62-63 McCann Book
 by Curo May 27 - Aug 3 - 1932.

Copy

T 144 R 29 Sec 31 Cass Co Minn

N 1/2 SE 1/4 Sec 31-144-29

McConn 6-22-1929

see letter to Howard Hopkins
Forest Supervisor July 19-1929

NESE Mostly swamp No timber of any
value what high land there
is covered with small
poplar

NW of SE has perhaps
10,000 Feet of Birch
and about the same amount of
Basswood

Close up in NW cor
there is about 40
very large Hard
Maple trees

but partly crooked
and rough

Lines are run and corners set on west
and North sides of this land

Sold to
H. L. Miller
Filed 1930



Nat'l: Copied by Cues May 27 - Aug 3
1932 from page 50-51 McConn Book.

copy

T 143 R 30 Sec 3. Cars Co Minn

2

Lot 2 Sec 3-143-30
McCann 6-25-1929

25 acres Taxes 1930 \$ 12.33

This land has no timber of any value but is covered with very large but short (Elm - Basswood and Maple.

Ground is completely shaded some 3 (acres? Curo) on the shore has no brush of any kind under these trees

3

Farther back there is brush land is about 5 feet above Hi water mark

A small launch or boat can be run onto the shore so that a person can step out without a gang plank

A good view of most of the lake.

Line West side is run. $\frac{1}{16}$ Cor set at NW Cor. An old Indian house on this land just over West line not occupied for some years

Note: Copied by Curs May 27-Aug 3-1932 From McCann Field Book
Page 52-53

COPY

T143 R30 Sec 7 Cass Co Minn.

Lot 9 Sec 7-143-30

50 acres 1930 Tax \$ 25.69

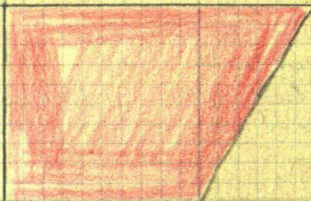
McCann 6-23-1929

some Elm and Boxwood on this
land that was left at time of
cutting it is of no value

20,000 or 25,000 of fairly good Red
Oak Clay soil Few stones
and fairly level

Eastern slope to the lake

The shore line back 150 feet is
flat and would be wet at hi water
There is about 300 feet of good shore
line at SE cor



Note: Copied by Curo May 27 and Aug 3rd
1932 From Page 54-55 McCann Book

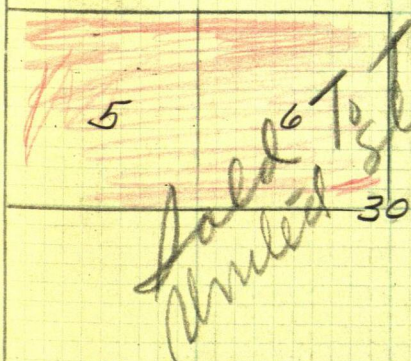
Copy

T144 R30 Sec 30 Cass Co Minn

Lots 5-6- Sec 30-144-30

Fractional $S\frac{1}{2}$ NW $\frac{1}{4}$ = 80 acres

McCann 6-21-1929



800 acres
See letter
to Hopkins
Forest Supervisor
July 19-1929

Lots 5 and 6 are partly level clay
soil lots of stone. Around 50,000
Paper. 10,000 Red Oak 15 white
The white Oak is poor

Note: Copied by Cuno May 27 Aug 3, 1932
from McCann field book P4 56-57

Copy

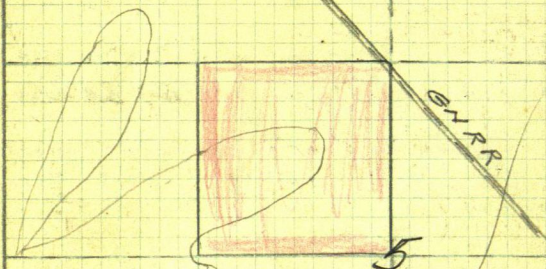
T142 R31 SEC 5 Cass Co Minn.

SE NW 1/4 Sec 5-142-31

40.00 acres to 1930 512.76

McCann

6-19-1929



Land is level some stone 20,000 feet
 white Pine, Norway and Jack
 10,000 Feet of Poplar 20 log timber
 Perhaps 50 cords of wood

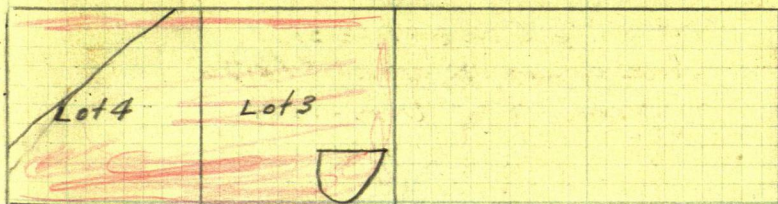
In looking at this land 6 years
 ago, what I took for the Range line
 was 80 rods too far north and
 looked at Lot 3. which is directly
 north of this land I got Sewett
 plat here at Walker of this town
 which I did not know before McCann

Note: Copied May 26- and Aug 3-1932
 by Cues from page 58-59 McCann
 field book Cues

See Page 71

COPY

T144 R33 Sec 3 Hubbard Co Minn



Sec 3 T144 R33

49.44 acres

Lot 3 Taxes 1930 \$ 40.74

" 4 " " 11.66

6-20-1929

(Not signed by 3
McCann)N $\frac{1}{2}$ NW $\frac{1}{4}$ Fractional

Lot 4. is mostly swamp Has some small
spruce left - is coming fast It cannot
burn some is large enough for pulp now
SE corner is high land 50 cords pulp
wood

Lot 3. is swamp on N. side.
High land on south side with 10,000
feet of fairly good poplar. I would
think there was 75 cords Mine (or
mixed) wood on the two lots

Note: Copied from Page 64 and 65
McCann field book By Cens May 27
and Aug 3-1932 Cens

36

Nov 13-1934 Inspected by Caro

139-35 Sec 19 Hubbard Co Minn

No Grade
crooked

Not Graded Crooked

Good Grade
Bridge

Sch Ho



New Well

Small stones

clay soil. Rush &

Scattering small

Ternules

Brush line

Quack Grass

HAY

925 HKS

CORN 37-4

670 FT

Cattail

3000

37m Stock

HAY

HAY

37m

Stock

Big Stones

Brushy

11 Acres in
Rye

CO LINE

Well graded

Nelsons letter Nov 7-1934

1/4

Cultivated: 3 Acres in SW Corner: 92 Small shock Rye
@ 15° to 20° pr shock 1/3 to Nelson 110 ACRES Rye in E Hay

Continued on p 48

Addresses

37

Ralph Jensen,
2329-27th.Ave.S.
Minneapolis, Minn.

2640
1833.4

806.4
1033.4

2640.0

2640
135.4



County Surveyor,
Cass County,
Walker, Minnesota.

MINNEAPOLIS CENT
1856 ---
CITY OF L



N 82° 32' E

82° 32' E
100.5

896.0
1033.4

8825.1

Addresses

37

Ward McCann Anoka Minn

(Mines: Bray Minn pg 7 This book on
SESW Sec 23-57-22

Masaba Chief on the West and Sargent
mine on the East

Steel Shaft Head and Cement smoke
stack still standing May 29-1932 Cuno

Field Books: Book No 99345 made by
H. Niedecker Co Blank Books Milwaukee
Wis. (Book used by Ward McCann - Anoka
Minn - 1929)

38

BULL
LOKE

6 5 4 3 2 1 6 5 4 3 2

7 10 11 12 7

18 13 18

19 20 58-23 24 19

58-22

30 29 28 27 26 25 30

31 36 31 32 33 34 35

6 5 4 3 2 1 6 5 4 3 2

7 8 9 10 11 12 7 8 9 10 11

18 17 16 15 14 13 18

19 20 21 22 23 24 19 20 21 22

57-23

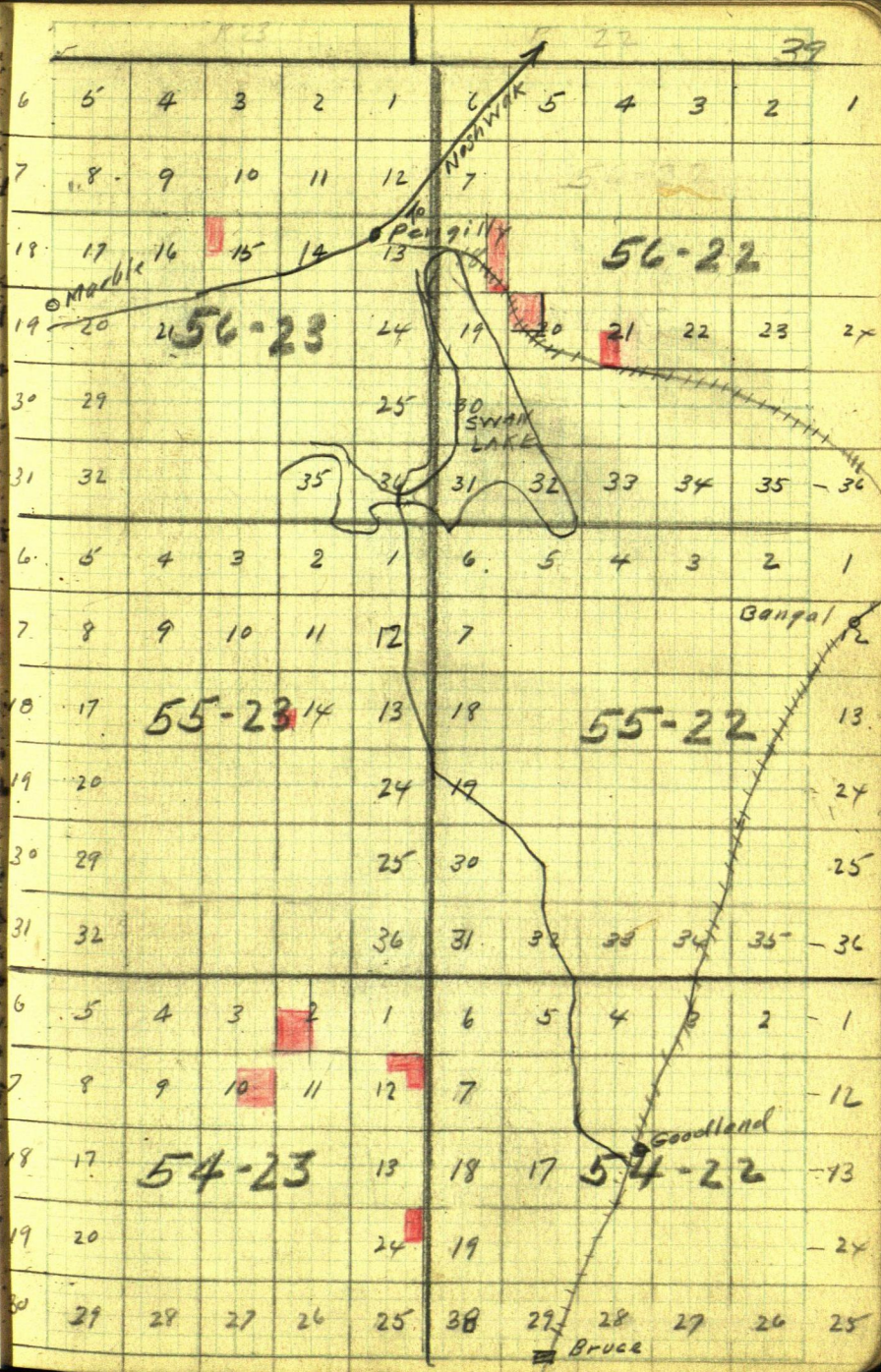
57-22

30 29 28 27 26 25 30 29 28 27 26

31 32 33 34 35 36 31 32 33 34 35

NASHWAUK

18
19
20
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31
32
33
34
35



40	12 Ft Log	
	Top Feet	Log 12 Ft
	6	12
	7	18
	8	24
	9	30
	10	40
	11	50
	12	58
	13	73
	14	86
	15	107
	16	118
	17	138
	18	160
	19	
	20	
	21	
	22	
	23	
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	28	
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	30	
	31	
	32	
	33	
	34	
	35	
	36	
	37	

14 Ft Log	Log 14 Ft	
	Top Feet	Log 14 Ft
	6	14
	7	24
	8	28
	9	35
	10	45
	11	55
	12	63
	13	85
	14	100
	15	125
	16	139
	17	162
	18	187
	19	
	20	
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	36	
	37	

Jan 3-1933

copy Scale Rule

16 Foot Log				18 Foot Log			
Top Inches	16 Feet	Top 16 Feet		Top 18 Feet	Top 18 Feet	Top 18 Feet	41
6	18	38		6		38	
7	28	39		7		39	
8	32	40		8		40	
9	40	41		9		41	
10	50	42		10		42	
11	65	43		11		43	
12	79	44		12		44	
13	97	45		13		45	
14	114	46		14		46	
15	142	47		15		47	
16	153	48		16		48	
17	185			17			
18	213			18			
19				19			
20				20			
21				21			
22				22			
23				23			
24				24			
25				25			
26				26			
27				27			
28				28			
29				29			
30				30			
31				31			
32				32			
33				33			
34				34			
35				35			
36				36			
37				37			

42	20 Foot Log			20	22 Foot Log			22
	Top	Feet	Tip	Feet	Top	Feet	Tip	Feet
	6		38		6		38	
	7		39		7		39	
	8		40		8		40	
	9		41		9		41	
	10		42		10		42	
	11		43		11		43	
	12		44		12		44	
	13		45		13		45	
	14		46		14		46	
	15		47		15		47	
	16		48		16		48	
	17				17			
	18				18			
	19				19			
	20				20			
	21				21			
	22				22			
	23				23			
	24				24			
	25				25			
	26				26			
	27				27			
	28				28			
	29				29			
	30				30			
	31				31			
	32				32			
	33				33			
	34				34			
	35				35			
	36				36			
	37				37			

Jan 1-1933

Reed Alma and John W. Curo
 Lr Jenkins @ 2-P.M. in 1931 Chevrolet
 Warm sunshine - Warm - So Wind
 Lr Alma in Car Reed and I Girdley Compton
 Beg @ 1 M. $\frac{1}{4}$ Cor
 So side 35-138-28 Pace
 North on & Ace 35 Var 4°

at 112 Paces Enter Trespass Poplar wood
 Cut 100 ft West 250 ft East Cut 2 years ago
 at 125 Paces Tally pt Kicked in snow
 at 145 paces Lr Cutting Ex limbs 100 ft W.
 3-6-9 inch tall poplar

@ 225 paces Tally #2. Cut off poplar
 Note: I decide to use 450 paces to 1/2
 at 337 Tally #3. Cut off small poplar
 370 Paces N Corner Oscar Peterson's
 New 2 wire fence 55 Paces East from
 SW Cor @ 450 = $\frac{1}{16}$ Cor Square up
 6" pop. Beg at Temp $\frac{1}{16}$ Continue
 North 4° Var @ 112-225-337-450

Cut tips of small trees for tally point
 Note: as I may have been proving
 short I continue 50 paces North to
 1000 per spot lines E-W. Reed
 spots entire half mile just run

at 1500 paces N pace 33 paces West
 to same fence Pace

West 6°30' Var spot line @ 200 paces
 enter 60° NW and S 10° E about 200 paces
 Beg @ 1/2 Ch West on Crowd 1320 ft
 Temp $\frac{1}{16}$ E-W graded road Count at
 dark
 John W Curo

Jan 2-1933- Reed and I alone Ls 11-AM
 Rego Temp $\frac{1}{16}$ in $\frac{1}{4}$ EW graded road.
 1320 E from SW Cor Sec 35-13828 Pacc.

North 40° on thru $\frac{1}{4}$ SW $\frac{1}{4}$ 125-250
 375-500-750-875-1000 lally prints

Reed closes line Square up 6' pins
 Temp $\frac{1}{16}$ in Center of West half Sec 35-
 138-28- Pole East 6°30' 100 pacc.

to Bag Run NE and S10°E
 Count lines and estimate timber
 NE SW 35-138-28

NP Small	NP Medium	JP Small	Small WP	Large WP
50	1	70	5	9
10	4	4	3	8
50	4	16	6	18
40	9	16	1	1
32		10	1	18
55		14	1	
30		13	17	
20		16		
18		10		
11		22	Total	
27		18	NP	8,000
1		3	WP	2,000
6		5	JP	3,000
30		12		13,000
22		9		
38		238		
440				

NP. 440 NP 67.8"-12

240 one log 6" 7.12 =

100 " " 7 " 12

100 " " 8 " 12

922-18218 7.12

2880

1800

2400

1,000

8,080

NP

238 JP @ 6" 12 = 2,856 FT

WP 17 @ 12 204 FT

Jan 2-1933 Continued P.M.
SESVY Country Lites

45

6 T & 12-1 Log

Two Log @ 30

3 Log @ 20

1 Small			2 Medium			3 Large		
NP	JP	WP	NP	JP	WP	NP	JP	WP
2	4	3	7	4	1	1		1
2	6	3	3	4	1	2		3
6	17	1	1		2	1		1
5	1	1	8		3	1		1
1	32	2	2		1	2		1
1		1	4		2	1		2
4		1	1		2	1		1
1		3	11		4	1		2
1		5	2		2	3		1
1		1	2		5	2		2
		2	2		2	2		1
		2	2		2	2		1
		2	1		3	16		2
		27	2		8			2
			5		5			1
			9		1			27
			1		47			
			2					
			67					

WP. 18. M.
NP. 14 M. } 33 M.
JP 1. M.

Jan 4-1933

2	1	1	6	0	1	1	0	1
1	2	2	4	0	2	1	0	1
3	2	1	2		1	1		1
2	1	1	2		3	1		1
1	1	1	4		6	1		1
9	2	2	5		1	7		1
1	1	8	5		2			1
7	1		3		2			7
1			31		2			
6					3			
2					23			
5								
4								
3								
2								
1								
50								

Total

33
13
46

76	43	35	98	4	70	23	0	34
@1 = 70 @ 38	@1 = 43 @ 43	@1 = 35 @ 35	@2 = 196 L @ 30		@2 = 140 L @ 30	@3 = 6. M.		@3 = 102 L @ 30
	1. M.	= 1. M.	L. M.		@20 = 7. M.			= 10. M.

Jan 2-1933 continued PM.

Reed and I cannot quite finish counting trees on S. side of SE SW 35-138-28 Pg 29

Jan 3rd 1933. Tues

I wait all day for Harry Gould. Reed takes Alma to Dr Gerber at Brammer

I copy Frank Bryants Scale Rule Page 40
Figure Estimate Page 44. 29

Jan 4-1933 Wed

11 AM. Reed and I finish counting trees
S. side SE SW 35-138-28 Pg 45

Try to run compass line around NW SE 35-138-28
check out 65 paces so of NW cor Pg 29

H.G. Compass not close enough Too much
small timber Must use Transit

Rough Count Big trees 7 NP. 14 WP

Lots of small NP and WP.

NP 14 trees @ 3 = 42 Logs @ 20 = 2. M.

WP 7 " @ 2 = 14 logs 1. M.

NW SE 35-138-28 Lots more small
trees to be counted later

Nat'l Large NP and WP on NW SE have
poor butt and long seams OK. 3. M. Total
big stuff.

We drive to Oscar Peterson farm
Find Oscar one mile NW give him
his copy of lease. Oscar says he
will cut lines if I do the transit
work in 35-138-28

Jahm W. Curo

over

Hubbard Co Lands Continued from Pg 36

Nov 7-1934. G.H. Nelson Mails me Deed viz

Deed
 Clarence E. Miller and Villa Vail Miller husband
 wife, Lancaster Co Nebraska To The B.F. Nelson Mfr Co.
 of Minn Consideration \$800.00 St. Stamp affixed
 Description N $\frac{1}{2}$ of NE $\frac{1}{4}$ and N $\frac{1}{2}$ of S $\frac{1}{2}$ NE $\frac{1}{4}$
 = 120 acres us Survey Dated Nov 1-1934
 Witnesses: only one, viz Otto K. Perrin, who is also
 Notary Public N.G. Must have another witness
 Nelson Encloses CR 8156-63 To pay taxes drawn to
 Frank Heisel Co Auditor Hubbard Co N.G. Heisel died

Nov 13-1934

10.45 A.M. Reed and I Lr Jenkins Full Tank- 31 Chev
 Spedom Set @ 0.0. Drive West 5 miles then change
 our route Drive N To Pine River - Bachus - Hubbard
 and Pk. Rapids Spedom 11.8. Lr Pine River. 35 Stat
 Forestry Tower: 430 Cross Wing River 50.0 Hubbard
 54 Tar Road 58.5 Wilson Bros Garage, Pk Rapids
 59 - Ctho On 11:30 am. Dinner at Park Rapids
 P.M. Call on M.M. "Mike" Nygaard Regd Deed
 Meet W.D. Robbins Co Treasurer Retiring becaus
 of too small pay. Frank Heisel Co Auditor and Deed
 Johanna C. Heisel his wife is new auditor.
 Meet "Mable" Hunt Pink Hawley's Roommate
 Search Reg Deeds Office Mike says No Judgements
 against land Meet C.L. Bradt "Brot"
 Clerk of Court Got letter from Harry Todd in
 La. Drive So Meet old Mr Schackman on
 SW $\frac{1}{4}$ 18-139-35 Meet Pat Shea on NW $\frac{1}{4}$
 20-139-35 Pat rents to Miller land from
 Mr Miller. If Miller would furnish seed
 Pat would give him half Pat Pat furnishes
 seed and Miller gets $\frac{1}{2}$ Each pay own
 thresh but 5¢ in bushels and pay for their
 own marketing Pat put in 11 acres of Rye
 Raised 40 Bushel Has Millers 13 Bu in his
 grainy
 JWC

Nov 13 1934 Miller gets $\frac{1}{2}$ the Hay and $\frac{1}{3}$ Corn
 Pat cut 8 tons Hay 6 tons on quack grass
 on the end = 2. stacks and 2 ton stack on
 river bottom on end.

Pat looks after Miller lands Has farmed
 it 2 years

He find: 25 acres in old quack grass
 field on the end. 3 acres out for Corn leaving
 22 acres quack grass, also find long
 narrow strips on E side = 11. acres

Find 92 small shocks of Corn Pat says
 worth 15 or 20¢ per shock. $\frac{1}{3}$ to Miller

Swimming up

92 shocks Corn @ 20¢ = 18.40 Miller $\frac{1}{3}$ = 6.15

13 Bu Rye @ 70¢ - 5¢ for thrashing 65¢ 8.45

4 tons Hay all for Miller @ 10
 less cost of Marketing — 40.00

14 acres under cultivation

22 " Quack grass Hay

2 " River bottom Hay

NW 40 Not cleared. Newer was

Solid Clay & silt sand

Strip of stone from SW cor NW starts

with 2 ft stones ends with 6" stone & no

Reg & small all over

Timber no value except for fuel

small JP mostly dead also Poplar

some brush. Graded road 8' x 10'

on wide. Graded road begins @ NW cor

run. SET NE to NE CO

Dinner at PK Rapids 55¢ Gas & Cheese

& Crocker at Hubbard 9 @ 18¢ 162 - 210

Home in Sinking after dark

10 miles to gallon 135 miles fuel 300

lunch

John Adams

100
 54.00

See Helton Cell. Nov 15 - 34

50

Index

① Pat Shea

51

April 28-1936 Tuesday

Lv Jenkins 9.48 am Full tank
Spedometer reads 16305.0

11. am Call at Aaron Zoffke
farm-Bactus- Call at Ct Ho
Walker 11.00 AM. Spedom 16.345
= 40. miles. 11.05 Lv Walke

Lunch at Pk Rapids 11.45
Call on Mike Nygaard Ct Ho
Park Rapids 11.55 To 12.00 Noon

Mike says he sold 40 tons of
hay to \$80.⁰⁰ Cash and that he
can get no rent from his 300
acres at Farris Says Pat Shea
is honest

I meet John Moberg an
old logger now running a Resort at
Lake George near Bemidji

Moberg knows old Peet Haley-Jimmie
Lang and others. 1898

Lv Pk Rapids 1. PM. Spedom 16375 =
70 miles

Meet machine dealer
who says Larkin Bros were looking
for Hay. I inquire way to Pat
Shea and Peet Peterson farm
Rt #1- 9 Miles S.W. of Park Rapids

a kid says Ely Lake bot 3. big
loads of Alfalfa-Timothy and Clover
mixed - 3 loads for \$7.⁰⁰

Apr 28-1936 continued ⁽²⁾ Pat Shea

1-30 P. at Shea farm--raining I drive Pat to Field Scale Hay

Wild hay stacked 30 days goes '7x7'

343 Sq ft = One Ton -- about -

We scale hay

Stack No 1 = West Stack - Was a long Rick. Cut in two Our half viz

13 ft Long 11.0 wide 5' hi = 715 Sq Ft

343 / 715 L = 2 Tons and 29 Sq Ft

343 in 2000 = 5.831 Pounds pr Sq Ft

29 Sq ft @ 5.831 = 169.10 pounds

4169 # @ \$3 = pr ton \$6.25

@ \$4 = " " \$8.34

@ \$5 = " " \$10.42

Stack No 2 = Middle Stack;

Was a long Rick. Cut in two; Our half still here on the field viz:

Average = 5.831 Pounds pr Sq ft

9 ft long, 11 wide 5 ft hi = 495 Sq ft

= 1. $\frac{1}{2}$ Tons less 19 Sq ft (111 Pounds)

= 1 Ton and 152 Sq Ft

2000 + 886 = 2886 #

2886 # @ \$3 pr ton - \$4.32

@ \$4 " " \$5.77

@ \$5 " " \$7.21

(Note: I told Pat he could have

this stack @ \$3 pr ton or \$5 ⁸⁰ it should

be \$4.32 I will write Pat that he can

have it at \$4.32 - He was to pay for

the hay June 1st 1936 out of his \$30 pr

month (Co Road dragging job)

Stack No 3 - East stack

Note: there was Two Round Stack same size - Pat hauled one - this is ours via
Circumference 2 feet above ground 45 ft
Average Height 5 feet

Note: One half the Radius times the Cir equals end area

3.1416 in 45 - 14.32 feet diam

Radius = 7.16

$\frac{1}{2}$ Radi - $3.58 \times 45 = 161$

$161 \times 5 = 805$ Cubic feet

343) 805 (= 2 Tons + 119 sq ft

$5.831 \times 119 = 694$ Pounds

469.4 Pounds @ \$3 pr ton = \$ 7.04

@ \$4 " " \$ 9.39

@ \$5 " " \$ 11.73

Note: In the rain we figured this
at \$3 pr ton as \$6.90

Note:

Pat seemed surprised that there was
so much hay in this stack - expected less
We measured Circumference with a
4 foot lath and if we had used a steel
tape the Cir might have been less

I will look into this later

Jahm & Co
Oxer

April 28 - 1936 Continued

Stack No 4 North Slack Poor Hay Sticks
 Pat Still owns Half

Long Rick - Low

12x18 - 4 ft Hi average - 846 cu ft

Colle "2 1/2 Tons" Poor hay - Hay bright
 but lots of weeds and sticks - cut on
 river bottom

Pat says we can't sell this at any
 price - I think we can

Our share = 1 1/4 tons in this stack.
 Pat says he will be glad to sell his
 half of this stack

Hay

Stack No 1	2 Tons + =	4169	Pounds
2	1 1/2 -	2886	" Sold
3	2 1/3 + -	4694	"
4	our share 1 1/4 Tons	2500	"
7 Tons 349 pounds		14349	"

Roughly Total 14 Tons vo

Hay Our share 7 "

Fodder Corn 584 Shocks

Our Share 195 " @ 5¢ \$ 10.

All on the 11 acres Cultivated

Hay: Volunteer Red top and Quack
 called wild hay

Pat Shea 5 (Apr 29-1936)
 April 28-1936 cont'd (check Fgrs)
 I drive back to PK Rapids
 insert Ad viz

Hubbard Co Journal 25¢ 5¢
 Park Rapids Independent 25 5
 25¢ for 30 words - both papers

200 Shocks Fodder Corn @ 5¢ each
 also 5 Tons of hay

See Pat Shea 9 miles SW of
 PK Rapids Or Write Jack
 Curo Jenkins Minn Rd

I gave each paper 5¢ to send
 me a copy.

Home via Wadena - Brainerd

Check Gas at Brt 97/8 gal

180 miles

Fill tank as check

Home to Jenkins at Midnight

Find Reed and Frank Sautter
 just returned from St Paul

He and Junior all playing cards

Apr 29-1936 write up above notes
 from slips of paper.

John W Curo

Note:

Pat wants to put in the "11 acres"
16 Oats on shares

One third to us if he furnishes seed

One half if we furnish seed

Should go 20 Bu to acre

I do not rent him the farm but
will submit it to The Nelson Mfg Co

The small strip on SW Cor of our land
was disputed by Original owner
and Pat gave him the oats only
small amount

I may have to survey our land

Over

Over

Feb 26 - 1937.

11.25 AM L.V. Jenkins Full Tank.
Speedometer reads 15577.

12.25 L.V. Walker Speedom 15614
1 PM On Park Rapids Speedom
15641. Dinner for M and I
75¢. PM Call on Mike Nygaard
Reg of Seeds.

2 AM Drive to the road
to Pat Shea Farm plugged
with snow. Back to Park Rapids
and drive to Park and to
Lake George.

Call on Mr and Mrs
J. H. Sowers. Guthrie P.O.

They bought and live on
NE 1/4 Sec 33 T 145 R 33.

Geo Durand who they bought
from is gone.

Land just East of them is
owned by some man in Rural
Credit Office at Brainerd 90 acres?
and wood is being cut and
stacked by Cecil Rogers & Sons
and older brother.

Edwin Obzig who lived
5 miles so and East left last year
he may have helped Rogers
stack lumber last year.

Milt Rogers. the older brother
is now at Cass Lake or Walker

Feb 26-37 continued

Our land is Lots 3 and 4 - Sec 3.

T144-R9 33-

Snow is too deep to look at
this to-day. We drive So & E
to Leech Lake then so and look
at our land in SE NW Sec 5

T142 R31 Cass Co. in Jenkins

7PM - Speedom 15760 = 184

miles Nat 5 gets 900 @ Walker ^{\$1.00}

Feb 27-1937 Sat

Martha and I prepare to start
again for Hibbing. General
gave me \$5 to Dodge for a
new one. Dinner at home

P.D. (Homest Pat) Shea
 April 18-1937 Sunday

Note: I am 66 years old to-day

Reed-Martha and I Lv Jenkins

8? Am. Take our own lunch

Spedom reads 18101 (Trip Sp 90.3)

at Walker

Spedom 18138

Drive to Sec 5-142-31-SE NW Sec 5

I post Notices (No Trespass etc)
 and sign them. Timber OK.

Note: Chris Berke lives on E
 Side of R.R. just East of this 40"
 He is supposed to be the timber
 thief who stole Timber owned
 by Tom Welsch and was not
 prosecuted. I am watching
 him

Alvin Clarine whose land adjoins
 our's in Sec 5 is also helping
 me watch the timber

I meet two men named
 Goodrich living 4 mi E of
 Guthery. They baled Clarine's
 Hay and hauled it a mile East
 on ice to Clarine's home and are
 looking for their pay. Hauling &
 baling cost \$3.50 ton. Say they
 could have done it for \$2.50 only
 for deep snow Clarine could
 have had it at \$8. per ton but held
 out for \$8.50 still has the hay
 over

62

April 18-1937 Cont'd

Alvin Clarine Show up and
he says the couple of small
stacks of hay I see on the N.W.

Cor of our 40 in Sec 5 was cut
by him (as I already know)

Anyone can have it free or
it will only burn

Clarine wants to trade

The B.F. Nelson Mfg Co "Two
Forties for their one and says
there is as much timber on his
as on Nelson's I tell him NO

Return to Walker

- AM Back to Walker Spedon

- AM Arshley Spedon

- AM. An PK Repels Spedon

Continue to Pat Shea Res

He is at church and we drive
around County making inquiry
trying to rent the farm

Old Miller Place

N $\frac{1}{2}$ NE $\frac{1}{4}$ and N $\frac{1}{2}$ of S $\frac{1}{2}$ NE $\frac{1}{4}$

= 100 acres Sec 19-139-35

Straight River Twp.

Call on Mark Chamberline

Rt 2 Menahga P.O. Rents 240 acres
in W. $\frac{1}{2}$ Sec 19 Her 4 years

Rents From Union Central Life Co

Pays viz 50 Acres pasture \$25.00

Com 10 acres Plowed @ \$1.00 per acre 10.00

Raised 16 Bu Oats @ 35¢ per bu 5.60

17 $\frac{1}{2}$ Bu Speltz @ 35¢ per bu 6.12

For 2 years Total pd \$46.72

April 18-1937 contd

Lv Jenkins		18101.	Full Tank
Ar Walker		18138	18329
Lv "	10.27 AM	18146	18101
Ar Akley	10.45 "	18156	228 mi
Ar Pk Rapids	11-12 "	18174	on 14 gals
Ar Pat Shea	12.00 M	18185	= 163 mi
Ar Jenkins	5.53 PM	Sped 18269	Pr 9 gal

Reed felt in 3 gals
gave to Bramm and back
Apr 14 - Pat in 11 gals Sped 18329 =
1 gal oil

Mark says Pat is best farmer here
and could not pay more rent

However we call on John Pajari
Rt 2 Menasha P.O. John has 100 acres
just west of Sec 19 and is in
Co. He says he bot Fodder Corn from
Pat last year @ 25¢ per shock and
paid him \$17. at one time and some
more at other times.

Note: Pat put something over
on us but as I advertised the Corn
@ 10¢ per shock I cannot regret it
a kick John says the only Renter here
who has money and might rent is
Joe Mackenen (Fin) Joe refuses to
Rent Back to Pat @ 20¢.

We count 6 rows of Corn @ 21 shocks to
row Some is gone. 42 left

64 April 18-1937 Continued Sunday
We wait for Pat and his wife to return
I make a settlement for 1936 crop
@ \$31.40 Pat pays me \$18.00 cash

Receipt

April 19-1937 Received from
P.D. Shea \$18.00 for payment
on rent of farm
John W. Cuneo

For the Nelson Mfg Co
Bal \$13.40

Note: The above was written in ink
and dated the "19th" as to-day is
Sunday

Then in pencil I made a note on
both receipt copies as follows

"Note Mr Shea is to have the
11 acres for 1937 @ \$1. for acre or
\$11. flat and the hay is to be
divided equally."

Pat is to send the bal
of \$13.40 by mail later

Reed-Martha & I start back
for home. Pay 15.00 for lunch supplies
at Ahiley and eat our dinner
at 2 PM on road side

Stop at "Y" and look
over Lewis Lake Survey See
Field Book 238.

John W. Cuneo

March 10-1938

Rec Exp Ck from Nelson \$35.⁰⁰

Mr Nelson wants me to look over

Bray Mine also $W\frac{1}{2}$ $NW\frac{1}{4}$

15-56-23. Hannah Co is supposed
to be stripping Bray Mine and
drilling on the 80.

Bray Mine is SE SW 23-57-22

66 June 16-1938- 3-30 PM.

Called at Jenkins:
Arthur R. Thompson of
Thompson Lbr Co 917
Washington Ave Mpls
GL 1811 office

Father-in-law of B. F. ("Ben")
Nelson 26- New manager
of the Nelson Mfg Co
assisted by

Frank 17^c Nally - (another
son in law of some body?)

Wants to see Loli 2 and 9

Lat 2 Sec 3-143-30

9 " 7 " "

En-route to Ten-Mile-Lake

I am to look up these
corner and call him up
so we can go up there
via Maloti Bend from Walker
will take Ben with us.

Nali: Letter of June 16-1938
from young B F Nelson

1941

67

April 24-1941 Rec \$35⁰⁰ Exp
N^o 5606 ENVOI 8921

July 7-1941 Rec letter from BFNelson
enclosing letter from Myron
YOUNGberg of Taconite Minn
dated July 3-1941 Wants to buy
Firewood on 2 Forlins
N¹/₂ NE¹/₄ 29-58-23 Itasca Co.
Referred to me but not answered
Cus

Dec 4-1941 Letter signed
Ben

2 letters enc. viz

one From Albert Erickson
131¹/₂ 16 Ave East, Hibbing
Letter dated Dec 3 1941

One from Ed. G Fisk Wold
Box 26- Pengilly Minn
Letter dated Dec 3-1941

1941 Could

Dec 7-1941 I answer all three letters stating I am going right up.

Dec 13- 1941 I write B F Nelson
Sawt returned from Hobbsburg
Dist. and am going right
back with additional money
outfit. Please send \$35
exp money.

Dec 16- 1941 Rec check \$35
Dated Dec 15 1941 N^o 12201
H E Ryman B F Nelson
voucher no 5123 no letter

Dec 17-1941

Reed and I L Walker 7.01 AM

Drive to Pingilly. Pass lady and
little boy going in to town.

She proves to be MRS Ed B

FISKVOLD Box 26 Pingilly

Her husband is working at the Min
pit "2 miles down" will not be in
till 5 PM. They want the wood on
NESE 18-54-22. Can see it from here.

They will look up the Corner this week
and I will go back. Small Bush &
poplar

Dec 16 - 1941 Cont'd

We drive to Taconite. Mr Myron Youngberg is a Surveyor for the Mine - He wants N $\frac{1}{2}$ NE $\frac{1}{4}$ 29-58-23

Wait an Hour and drive on without seeing him

On Hibbing 10AM - Call on Mrs Albert Erickson 131 $\frac{1}{2}$ 16 Ave East Hibbing

Her husband is Time Keeper on P.W.A. at Hibbing Air Port

We wait at his office and see him at 11:30 to 11:45

He will pay \$50 a foot \approx \$100 for 80 acres with Mineral reserved. Wants only the wood N $\frac{1}{2}$ NE $\frac{1}{4}$ 28-58-23

New Crooked road along northeast I promise to take up matter with Nelson Co and write him

He can buy adjoining land @ \$50 a foot. Has Hunting shack on East side of Shoal Lake

Would have to Haul 22 miles to Hibbing

Reed and I get dinner at Kewatten 80¢ Gas 2.80 oil 25¢ PM

Drive to Noshwah then NW to Lake Ho. Then 6 miles west. Crooked rutted new road - frozen

John W. Curo
Curo

To Dec 16 - 1941 Cont'd

We find 4 to 6" gaps and
scattering of hard wood along
north end of all our lanes.

Narrow slippery roads deep ditches

Have to back up half a mile
to pass gravel truck

Try to pick up liner - Drive
back to northw. + Hibbing then
NE to Chisholm - Zontille outfit
Quit and went home yesterday

to after dark

Check lights at Grand Rapids
Eat supper at Deer River

Recd call from the Mayo

Sleet - light snow strong wind
slippery roads on Walker 9 PM
Exp \$5.05

72

Vern N. Visneski
1205 Second Ave. South
Sauk Rapids Minnesota

Lots 1 & 2 - Sec. 26 & 141-27

Time Sheet

Feb

Jan.	24	25	26	27	28	29	30	31	Feb	5	6	23	24	25
Jan.	2													
Harold Curo	1	1		1				1		1	1	1	1	
Robert Curo	1													
Edward Curo		1											1	
		1						1		1	1	1	1	
								1		1	1	1	1	
													1	

Friday Jan 24-1958

13025-73

Bob & I get Gas drive to $\frac{1}{4}$ W side
Sec 26-141-27

Ties to $\frac{1}{4}$

Corner $\frac{1}{4}$ site W along E road.

Balsam 8 S $30^{\circ}40'W$ 25.85

Ash 5 S $30^{\circ}27'W$ 25.4

Balsam 14 N $26^{\circ}53'E$ 23.55

Ash 18 N $44^{\circ}13'E$ 8.35

We run South along road

125.25' split in E road

Turn 125.25' with N + run S $14^{\circ}58'E$ 306

Corner 306.0 BS N $14^{\circ}58'W$ run

S $6^{\circ}17'W$ 289.75' split in E

Corner 289.75 BS N $6^{\circ}17'E$ run

S $15^{\circ}26'E$ 367.8

Corner 367.8 BS N $15^{\circ}26'W$ run

S $6^{\circ}51'W$ 347.6 E

Turn 347.6 BS N $6^{\circ}51'E$ run

S $28^{\circ}43'W$ 210.05 - 21 = 208.05

run S $1^{\circ}25'W$ 204.4

Sec 27
141-27

1/4

Sec 26-141-27

Sta 1

S 129.26°

125.3°
S 149° 58' E 306.5

79.03

Sta 2

S 420.87

S 69° 17' W 289.75

47.32

Sta 3

S 708.88

S 150° 16' E 367.8

145.20 E

Sta 4

S 1063.42

103.74 E

Sta 5

S 1408.54

S 280° 43' W 208.25

3.78 E

Sta 6

S 1391.0

S 192° 53' W 204.4

127.7 W

MC Sta 7

S 1795.24

Fig

75

From $\frac{1}{4}$ run South assumed $125:25$ Sta 1Run S $14^{\circ}58'E$ 306.0 = Sta 2

$$\text{Sine } 258257 \times 306 = 79,03 E$$

$$\text{Cosine } 966076 \times 306 = 295,62 S$$

run S $6^{\circ}17'W$ 289.75 = Sta 3

$$\text{Sine } 109445 \times 289.75 = 31,71 W$$

$$\text{Cosine } 993993 \times 289.75 = 288,01 S$$

run S $15^{\circ}26'E$ 367.8 to Sta 4

$$\text{Sine } 266117 \times 367.8 = 97,88 E$$

$$\text{Cosine } 963941 \times 367.8 = 354,34 S$$

run S $6^{\circ}51'W$ 347.6 to Sta 5

$$\text{Sine } 119270 \times 347.6 = 41,46 W$$

$$\text{Cosine } 992862 \times 347.6 = 343,12 S$$

run S $28^{\circ}43'W$ 208.05 = Sta 6

$$\text{Sine } 486479 \times 208.05 = 99,96 W$$

$$\text{Cosine } 877006 \times 208.05 = 182,46 S$$

run S $1^{\circ}25'W$ 204.4 to Sta 7 - MC

$$\text{Sine } 024723 \times 204.4 = 5,05 W$$

$$\text{Cosine } 999694 \times 204.4 = 204,34 S$$

South East

125:25

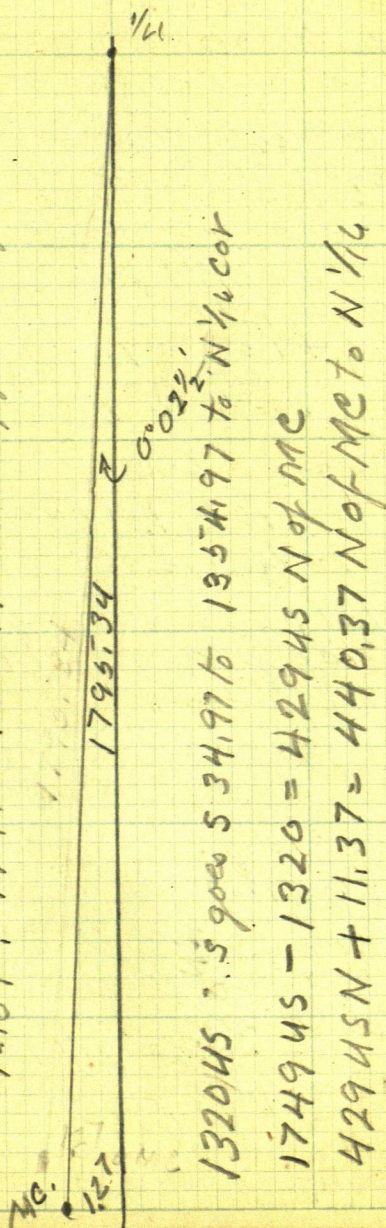
00

+ 295,62

Sta.	Course	Distance	Sine	Cosine	South	East	West
$\frac{1}{4} = 00$	S 04th	125.25'	—	—	125.25'	—	—
1	South	125.25'	—	—	125.25'	00	00
2	S 14° 58' E	306	258.257	96.6076	295.12	79.03	—
3	S 6° 17' W	289.75	109.445	99.3993	288.01	—	31.71
4	S 15° 26' E	367.8	266.117	96.3941	354.54	97.88	—
5	S 26° 51' W	347.6	119.270	99.2862	345.12	—	41.46
6	S 28° 43' W	208.05	480.479	87.7006	182.46	99.96	99.96
7 Me.	S 125° W	204.4	024.723	99.694	204.34	—	5.05
					1795.34	176.91	178.18

$127 \div 1795.34 = .00070739$ W for each foot South to true
 hub 1691.0 S goes W 378 to random S. + 1.13 = 491 to true
 line

$1749.145 = 1795.34 - \text{my chain} = 46.34 \text{ Long}$
 $46.34 \div 1749 = .02649514$ long for each foot



$132045 - .5 \text{ goes } 534.97 \text{ to } 1354197 \text{ to } N \frac{1}{4} \text{ cor}$

$174945 - 1320 = 42945 \text{ N of MC}$

$42945 \text{ N} + 11.37 = 440.37 \text{ N of MC to } N \frac{1}{4}$

Jan 25th / 1958

Ed + I took Bill with us drove
to SE corner Sec. 26, 141-27 area
at 12 noon.

beg. at corner chain West @ 300
pin @ 324.9 but 60' spike

@ 585.1 but 60' spike about 20 ft
E of E edge of swamp.

+ 300 = 885.1 pin in swamp

+ 100 = 985 - 2nd swamp

885.1 + 150 = 1035.1 pin + 79.2

1114.3 hub on bank.

+ 25 enter Lake.

1114.3 + 100 = 1214.3 pin on ice

+ 300 = 1514.3 pin on ice +

300 = 1814.3 pin on ice + 300 = 2114.3

pin on ice + 300 = 2414.3 set pin
on line for hub.

as this line ran as is with pit in
to the land. we offset

S 300' viz

From 2414.3 set E on line Turn

90° + run S 300 ft From 300

Sub N Turn 90 and continue

West. @ 300 = 2714.3 pin.

+ 300 = 3014.3 pin on ice

$$+300 = 3314.3 + 300 = 3614.3$$

$$+300 = 3914.3 + 300 = 4214.3 \text{ min}$$

$$+300 = 4514.3 \text{ min}$$

$$+300 = 4814.3 \text{ " } +300 = 5114.3 \text{ min}$$

$$+300 = 5414.3 \text{ min} - 70.25 \text{ minutes} = 70$$

go to Sta 6 run yesterday see page 73

Turn Sta 6 BS N $26^{\circ}43'E$ + run W 4.91

at spike on line big tree on
line bet corrected hub at Sta 6
and MCi

Still a Sta 6 run S.

Turn intersection S + W run

directions see Sta 6.

NE angle reads $97^{\circ}31'$

5426 S of Sta 6

$$5414.3 -$$

$$70.25$$

$$5344.05$$

$$5414.30$$

2155.65

5344 W

1

Jan 31-1957

Pick up Bill & Jim + drive
to SE cor Sec 27-141-27

Over IM site West on Random
line Ties

Old Ties with scrib marks

Basswood 8 N 70° 26' W 14' 8½"

Elm. 20 N 49° 46' E 5' 8½"

Oak snag, 30 ft high 30 S 57° 44' E 16' 4"

New Ties

Pop. 14 N 57° 27' E ~~14' 8½"~~ 18' 6½"

Maple 6 S 31° 00' E 14' 8½"

Oak. 14 S 59° 11' W 18' 9½"

Maple 16 N 88° W 36' 9"

At st. 11 oaks IM cor to sec. 25-
26-35-36-141-27

Site West Var @ 90° run N 7° 44' W
old blazed line partly cut out
at 300 pin 600 pin + 160.15 =

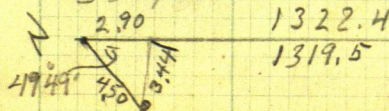
760.15 hub 60 d spoke 4300 =

1060.15 pin + 262.25 =

262.25 pin + 262.25 =
1322.40 hub 60 d spoke

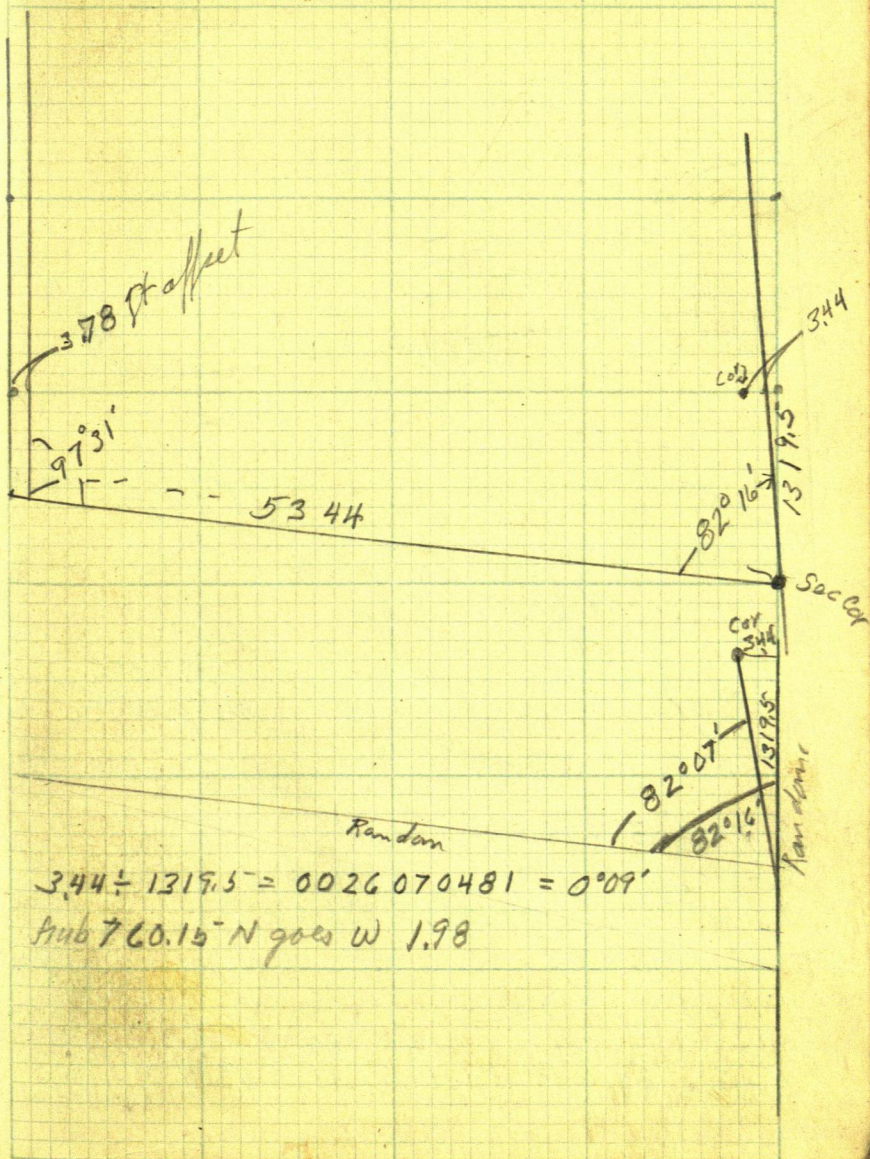
Over 1322.4 BSS Turn R run S
49° 49' SW 4.50 ft. start back

3:00 PM



Get Home 5 o'clock
9 P.M. go to Court House
figuring

81



Feb 5th 1958

300
454
254.6

Pick up Jim & Bill drive to

Court house get thru book drive.

To Y Store get Gas \$2.24 get rolls

drive to house near Sec 27-141-27

Lv car & walk to S $\frac{1}{4}$ E side Sec. 27

Tower hub 1319.5 on random BS S 7'44"

E + run N 84°12'W miss $\frac{1}{4}$ Cor

Stake to the N. O. 85.

@ 300 pin - 45.4 = 254.6 hub

300 + 300 = 600 pin - 9.43 - 590.53
hub ~~1319.5~~

@ 650 Lv swamp enter open meadow

@ 900 pin + 92 = 992 & Creek 10' wide

in bend N 45°S @ 1100 + - Lv open meadow

@ 1200 pin river bottom still swp

1288.7 hub + 35.73 net 60.0' approx

Temp NW cor Lot 1

22648.43

1324.43

12887

35.73 =

Feb 6 - 1958 ⁷⁶⁰ alt 5° below O at Walker 85-

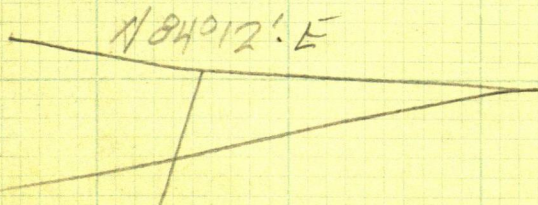
Met Gas Lv Walker Crew Jim +
Bill drive to see 27 - 141-27

get in to cabin SE of SE cor Sec 27

no trouble Lv car walk along road
to SE cor. Sec 27 then N $\frac{1}{4}$ mile
then W $\frac{1}{4}$ mile to where we left
off last night - get to this point about
12 o'clock noon.

beg at $\frac{1}{16}$ Temp Cor Center SE $\frac{1}{4}$
Sec 27 chain W 300 p.m. + 51.30 -
351.3 huf. + 300 = 651.3 + 300 = 951.3
+ 63.6 = 1015.9
1324' 43
234033

2687 -
2340.33
308.12 to $\frac{1}{16}$ Center SE $\frac{1}{4}$ Sec 27
328.67



I run $S \frac{1}{2}$ line N $84^{\circ} 12' W$ Colling E line Sec 27 S $70^{\circ} 44' E$

The E line runs $N 0^{\circ} 25' W$ and the $S \frac{1}{2}$ line should run
 $S 88^{\circ} 25' W$ Which puts my $S \frac{1}{2}$ Random line

$14^{\circ} 42' 10''$ for N, a distance of 2677 f.

$$14^{\circ} 42' = \text{Sine } 253758 \times 2677 = 679,31 \text{ South to line}$$

$$\cos 110^{\circ} 967268 \times 2677 = 2589,38$$

$$\text{Tang. } 262345$$

NIX

$$253758 \times 1324,43 = 336,08 \text{ South to line}$$

$$967268 \times 1324,43 = 1281,08$$

$$2 \overline{264845}$$

$$1324,12$$

$$1281,08$$

$$3304$$

Fig. N 770W

N

Random line
14° 51'

True line S 88° 09' W 2644.41

5288.83

1322.20 103° 41'

Random 5 1/2 line run N 14° 51' too far

14° 51'

Sine 2562.89 X
Cosine 966600 X
Tang. 265145

S 1° 10' E

back on Random 132443W

5344

15403.35
270167

N 14° 01' W True line

88° 30'

8° 30'

Tower 1324.43 W on random
BS S 77° E along Random and run
S 339.44' to line at a point 1280.19 W
Then West 42 ft to pt for 1/6 Cor.

Tower 2677 W BS S 77° E along Random
run South 686.09 to pt on true line
2587.59 W thence West 56.82 to pt for Cor.

Tower 56.82 site N 88° 09' E
on Sta 2587.59 and run S 0° 21' E

Feb 10-1958

Virm Gives Me \$140.00
on account

Sunday Feb 23-1938

Ed - Don - Jim + I to T. Lake
arrive @ 10-30 AM

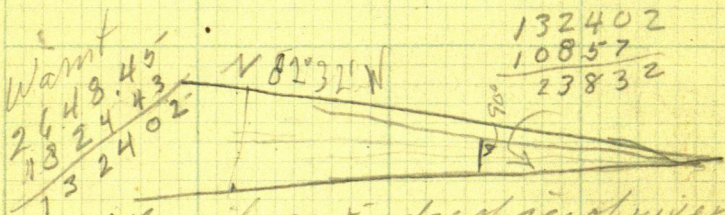
Tower put on random sec pg 86 this Bx
N 14.3 BS E on random SE angle of shore
38° 30'

Sine 622515 into 16815 = 270.11 OK.

Cosine 782608 into 16815 = 214.86 Nix

at 270.11 S of Random S. section
drive a 2X36" I.M. 25 ft E of
brink marked Sec line

Wego W + N to hub 1324.43 on
Random S 1/2 line Tower 1324.43
Site E and turn 90° run S. 336.08



set spike on E edge of ice of river
spike 1324.43 chain West on True

S 1/2 line @ 300 pin + 600 pin + 72.2 =

672.2 hub + 413.5 =

413.5
1085.7

1324.43
- 1085.7
2410.13
238.32
2648.43

Tower 2648.45 BS N 88°09' E
 and run S 0°21' E along N+S Q
 @ 300 p.m. + 300 + 202.2 wt for IM
 10 ft from Brink + 10 to water 2x36" IM

Tower SE cor. Sec 27-141-27

Site Non declino to Q road

90 N 82°45' W

70 N 88°0' W

50 S 35°30' W

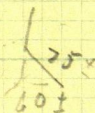
95 S 8°30' W

140 S 8°30' W

220 S 4°10' W

400 S 4°10' E

510± S 2° E



Fig

38°30'

Sine 622515 X 214.86 = 13375

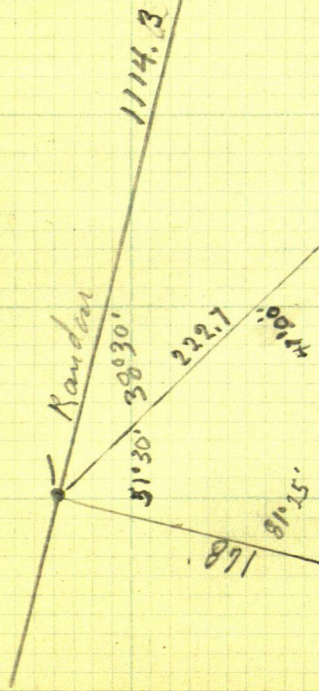
Cosine 782608 X 214.86 = 16815

11

38°30'

Sine 622515 X 222.7 = 138.63

Cosine 782608 X 222.7 = 174.29



True line

March 1-1958

Send Vern a bill for 8 days \$280
by check

Bal Due \$140

SKcor Sec 27-141-27

021

215

12.65

8°35'

1114.3

38°30'

222.7

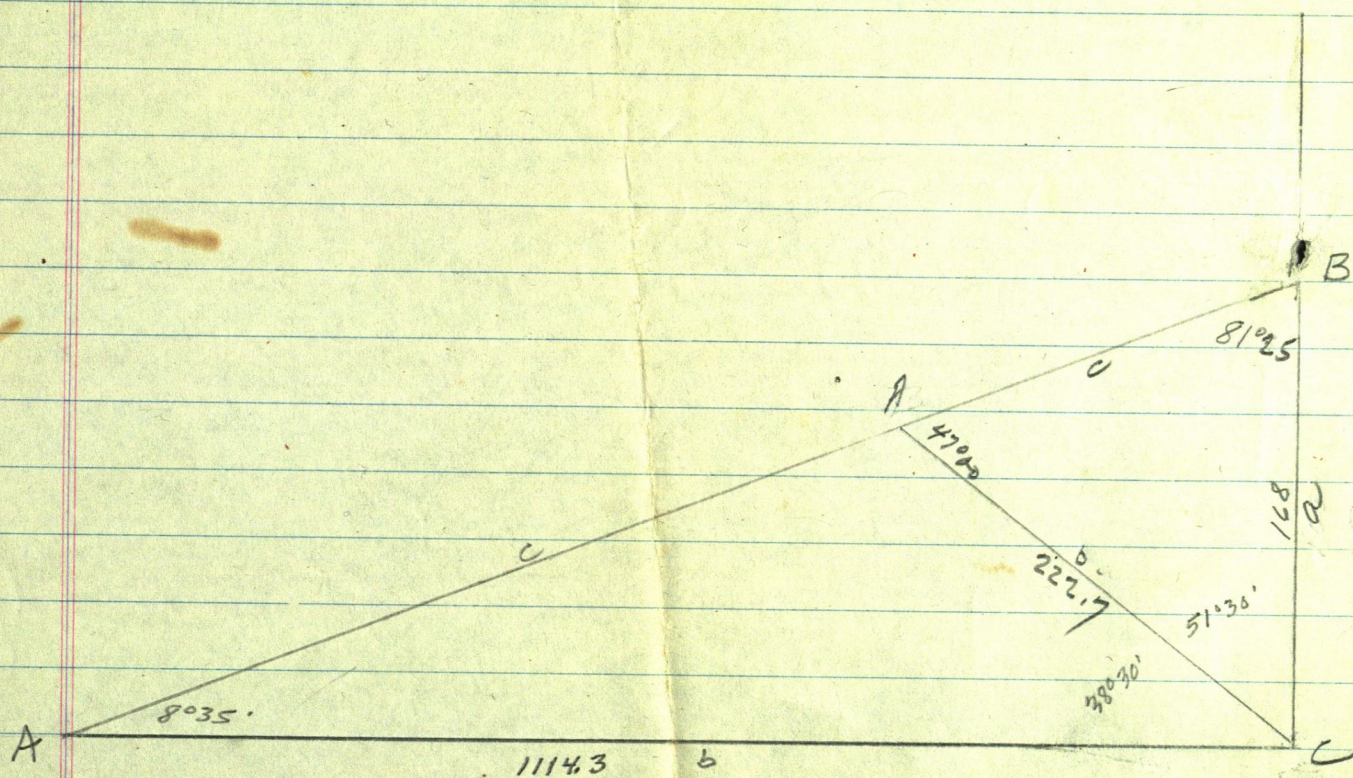
41°00'

168

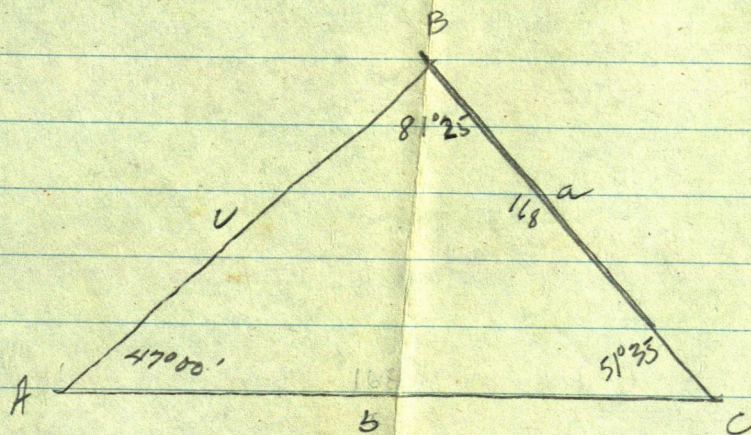
81°25'

51°30'

Random

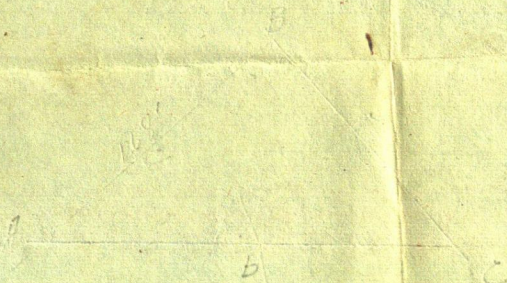
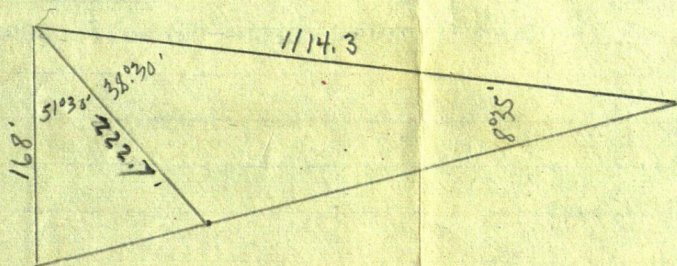


$$B = 90^\circ - 8^\circ 35' = 81^\circ 25'$$



$$b = \frac{a \sin B}{\sin A}$$

$$168 \times .98880 = 1.661184 = \frac{1.661184}{.73135} = 222.7'$$



8-10-0

3-5

3-5

3-5

3-5

3-5

3-5

3-5

3-5

3-5

51-25

51-25

51-25

51-25

51-25

51-25

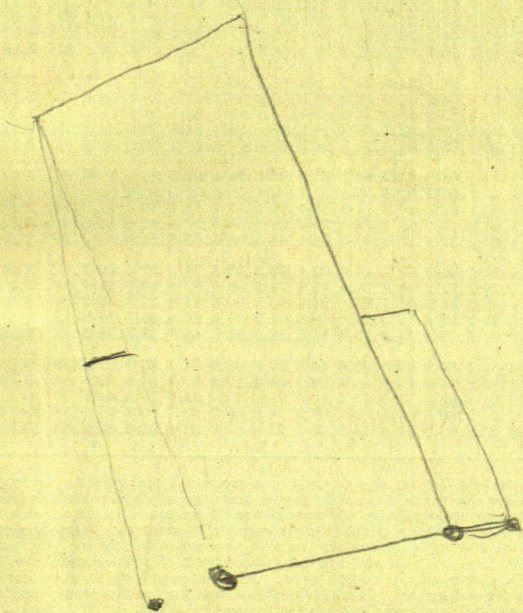
51-25

51-25

51-25

51-25

150



$$\begin{array}{r} 6650 \\ 1350 \\ \hline 8000 \end{array}$$
$$\begin{array}{r} 67 \\ 18 \\ \hline 85 \end{array}$$

East

3860

561° 54' E hunched road
1621 561° 30' E

5380,24

N. 1° 05' E Needle

IM

22-23

New Old.
Ties Spruce 5-N 49° E 485-
" 55 44 1/2 E 515-
" 65 62 1/2 W 30.3
" 5-N 52° W 30.6
54° W 36.4
54° E 26.3

N 498.
N 60° E - 238.8'

$\sin 4866025 \times 2388 = 206.81$ $\begin{matrix} E \\ N \end{matrix}$
 $\cos 4866025 \times 2388 = 119.40$

$$\begin{array}{r} 3860 \\ 20681 \\ \hline 406681 \end{array}$$

406681
142993

349674
1165

538024

Sec 26

S 61°54'E

Srme 882127 Y 1621 - 1429.93 L⁵
 Cos. 471012 Y 1621 =

61,30

$$878817 \times 1621 = 1424150$$

477159 X 1621

406681
142456

142456

549137

1163

5374 87

4

3

2

1

8010 U.S.

1310 LK 45.

98

5580

93

$$\begin{array}{r}
 0^{\circ}02' \quad 000582 \\
 0^{\circ}02\frac{1}{2}' \quad -0007275 \\
 0^{\circ}03' \quad 000873 \\
 \hline
 0001455 \\
 \hline
 0007275
 \end{array}$$

$$\begin{array}{r}
 179534 \\
 20434 \\
 \hline
 1591.00
 \end{array}$$

$$\begin{array}{r}
 1591.00 \\
 3780 \\
 \hline
 1591.00
 \end{array}$$

0°8'

4744 430

$$\begin{array}{l}
 \text{Sine } 763984 \times 43 = 344 \\
 \text{Cosine } 645234 \times 43 = 290
 \end{array}$$

542.6 (6)

$$\begin{array}{r}
 13224 \\
 224 \\
 \hline
 13195
 \end{array}$$

$$\begin{array}{r}
 13195 \\
 34400 \\
 \hline
 10026070481
 \end{array}$$

$$\begin{array}{r}
 187885.6 \\
 301.6 \\
 \hline
 187887.2
 \end{array}$$

$$\begin{array}{r}
 16813.87 \\
 190 \\
 \hline
 16813.87
 \end{array}$$

$$\begin{array}{r}
 82.8 \\
 82.8 \\
 \hline
 165.6
 \end{array}$$

$$\begin{array}{r}
 1307.03N \\
 772035 \\
 \hline
 33500
 \end{array}$$

$$\begin{array}{r}
 545048 \\
 18098 \\
 \hline
 50
 \end{array}$$

$$\begin{array}{r}
 97368 \\
 972 \\
 \hline
 972
 \end{array}$$

$$\begin{array}{r}
 152969 \\
 264845 \\
 \hline
 264845
 \end{array}$$

$$\begin{array}{r}
 264845 \\
 529690 \\
 \hline
 2133.6 \\
 135497
 \end{array}$$

$$\begin{array}{r}
 5344 \\
 53 \\
 \hline
 5344
 \end{array}$$

$$\begin{array}{r}
 753 \\
 728 \\
 \hline
 1481
 \end{array}$$

$$\begin{array}{r}
 8960 \\
 39 \\
 \hline
 8960
 \end{array}$$

$$\begin{array}{r}
 8960 \\
 548 \\
 \hline
 8412
 \end{array}$$

$$\begin{array}{r}
 10152766 \\
 10152766
 \end{array}$$

$$\begin{array}{r}
 5269.5 \\
 535.010
 \end{array}$$

$$\begin{array}{r}
 5269.5 \\
 535.010
 \end{array}$$

Sine

$$\begin{array}{r}
 101056 \times 5296.91 = 535.3
 \end{array}$$

$$\begin{array}{r}
 994881 = 5296.913
 \end{array}$$

$$\begin{array}{r}
 101576
 \end{array}$$

$$\begin{array}{r}
 100767 \\
 5296.46
 \end{array}$$

$$\begin{array}{r}
 994910
 \end{array}$$