

361

BOOK 361

361

F I E L D N O T E S
O F T H E S U R V E Y O F T H E
S U B D I V I S I O N L I N E S

O F

Township 20 North, Range 21 East.

Gila and Salt River Base and
Meridian,

ARIZONA.

By Frank Follman, D. S., under
Contract dated July 29, 1882.
Survey commenced Nov. 7, 1882.
survey completed Nov. 9, 1882.

Entered
Copyright

Indexed

Book No. 10

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Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

- OF - **BOOK 361**

Township *20 N.* Range *21 E*

Gila and Salt River Base and Meridian

ARIZONA.

By *Frank Fullman* D. S.

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Township 20, N., Range R. 21, E.,

Gila and Salt River Meridian.

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No-361

T. 20. N. R. 21. E.

For preliminary oaths
and list of assistants
see first book (No. 1)
of survey.

From the cor. 10 sec.
35, 36, 1 & 2, on S.
wy of T_h, which is a
sandstone 10 x 8 ins.
properly set & marked
and with pits and
mound of earth,
I run
N. bet. sec. 35, & 36,
var. 14° 5' E,
at p.a. Burt's improved
Solar Compass

T 20 N, R. 21, E.

chains

- over rolling surface
- 4000 Put a sandstone $16 \times 14 \times 10$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. N. & S. of stone, $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 8000 Put a sandstone $12 \times 10 \times 6$ ins. 8 ins. in the ground for cor. to secs. 25, 26, 35, & 36, marked with 1 violet on S. & E. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft.

T 20 N. R. 21. E.

Chains

dist. & raised a
mound of earth 2 ft
high, $4\frac{1}{2}$ ft. base
along side
Duster sodding soil & rate
grazing good
Soil 3rd rate

E. on random line
bet. aces. 25 & 36,
Var. $14^{\circ} 5' E$,

Over rolling surface
4000 Ret temporary $\frac{1}{4}$ ace. cor.
8000 Intersect E. by of Th.
16 lks S. of cor. to aces.
25, 30, 31 & 36, previously
established by me,
Thence I run
S $89^{\circ} 53' W$. on true

T. 20, N., R. 21, E.,

Chains

40, 04 line bet. sees. 25 & 36,
 with same var.
 Set a sandstone 18x
 14x10 ins., 12 ins. in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N. face,
 dug pits 18x18x12
 ins., E & W. of stone,
 5 $\frac{1}{2}$ ft. dist; & raised
 a mound of earth
 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base
 along side.

80, 08 Cor. to sees. 25, 26, 35, & 36,
 Grazing Good
 Soil 3rd grade
 Surface rolling

N. bet. sees. 25 & 26,
 Var. 14° 5' E,
 Over rolling surface

T. 20 N., R. 21, E.,

chains

- 1000 cross wash, 8 chs. wide
course S. W.
- 4000 Put a sandstone 14 x
10 x 8 ins., 9 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face,
dug pits 18 x 18 x 12 ins.,
N. & S. of stone, $5\frac{1}{2}$ ft.
dist.; & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side.
- 77,000 Entire bad lands,
trs. N. E. & S. W.
- 8000 Put a sandstone 16
x 14 x 10 ins., 11 ins. in
the ground for cor.
to sec. 23, 24, 25, & 26,
marked with 2

T. 20 N. R. 21. E.

chains

molches on S. & 1 molch
on E. edges, dug pits
18x18x12 ins. in each
sec. $5\frac{1}{2}$ ft. dist. &
raised a mound
of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base along-
side. *Suspa rollis*
Iris 3' good. grazing fair

E. on random line
bet. secs. 24 & 25,
var. $14^{\circ} 5' E$

One bad lands

8,00. have bad lands

hrs. N. E. & S. W.

over rolling surface

13,00. Enter dry wash

course S. W.

T. 20, N. R. 21. E,

chains.

25.50 Reave dry wash
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.12 Intersect-E. by of Th.
 16 lks. N. of cor. to sees,
 19, 24, 25, & 30. pre-
 viously established
 by me.

Thence I run
 N. $89^{\circ}53'W$. on 1000
 line bet. sees, 24 & 25,
 with same var.

40.06 Set a sandstone 26
 x 10 x 4 ins, 18 ins, in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on
 N. face, dug pits
 18 x 18 x 12 ins, E. & W.
 of stone, $5\frac{1}{2}$ ft. dist.
 & raised a mound

T. 20, N. R. 21, E.

Chains

of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along
 side.

80, 12 Cor. to sec. 23, 24, 25, & 26,
 Super collis. Soil, $3\frac{1}{2}$ cat
 grazing fair

N. bet. sec. 23 & 24,
 Var. $14^{\circ} 5' E$,

2,00 Over bad lands
 have bad lands,
 Enter rolling valley,
 hrs. N. E. & S. W.

4000. Put a sandstone $18 \times$
 14×8 ins, 12 ins. in
 the ground $\frac{1}{4}$ side
 for cor.
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins

T. 20, N. R. 21, E,

chains,

N. & S. of stone $5\frac{1}{2}$ ft,
dist. & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
alongside.

8000

Set a sandstone 14
 $\times 10 \times 8$ ins. 9 ins. in
the ground for cor,
to sec. 13, 14, 23, & 24,
marked with 3
notches on S. & 1
notch on E. edges,
dug pits $18 \times 18 \times 12$
ins. in each sec,
 $5\frac{1}{2}$ ft. dist. & raised
a mound of earth
2 ft. high, $4\frac{1}{2}$ ft.
base alongside
Grazing Good
Surface rolling

T. 20, N. R. 21, E.

chains

Soil 3rd & 4th grade.



E. on random line
bet. sec. 13 & 24,
Tan, 14° 5' E.

18,00

Over rolling valley
Entire low broken bad
lands, brs. N. & S.

40,00

Set temporary $\frac{1}{4}$ sec. cor.

63,00

Entire rolling valley
brs. N. & S.

80,10

Intersect - E. by of Sp.
15 lks. S. of cor. to sec.
13, 18, 19 & 24, previously
established by me,
Thence I ran
S. 89° 54' W. on true
line bet. sec. 13 & 24,

T. 20 N., R. 21. E.,

chains.

with same var.

40,05 Put a sandstone 16 x
14 x 10 ins., 11 ins. in
the ground for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on
N. face, dug pits 18 x
18 x 12 ins., E. & W. of
stone, $5\frac{1}{2}$ ft. dist. &
raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side,
80,10 cor. to sec. 13, 14, 23, & 24.

Grazing Spod
Soil 3rd & 4th rate
Surface rolling

N. bet. sec. 13, & 14.

var. $14^{\circ} 5' E.$

Over rolling surface

T. 20 N. R. 21 E.

Chains

4000 Set a sandstone 20
 $\times 6 \times 5$ ins, 15 ins. in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on N,
 face, dug pits $18 \times 18 \times$
 12 ins, N. & S. of stone
 $3\frac{1}{2}$ ft. dist. & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 along side.

8000 Set a sandstone $18 \times$
 15×6 ins, 12 ins. in the
 ground for cor. 10
 sec. 11, 12, 13 & 14,
 marked with 4 notches
 on S, & 1 notch on E,
 edges, dug pits 18×18
 $\times 12$ ins, in each sec,
 $3\frac{1}{2}$ ft. dist. & raised

T. 20 N., R. 21, E.

chains

a mound of earth
2 ft. high, $4\frac{1}{2}$ ft.
base along side,
Grazing good
Soil 3rd grade
Surface rolling

E. on random line
bet. sec. 12 & 13,
ran. $14^{\circ} 5' E$,

Over level surface

40.00
80.08
Set temporary $\frac{1}{4}$ sec. cor.
Intersect E. by of Th.
18. lks. S. of cor. to sec.
7, 12, 13 & 18, previously
established by me,

Thence I run
S. $87^{\circ} 52' W$. on true
line bet. sec. 12 & 13

T, 20 N, R, 21, E,

chains.

with same var.
 40,04 Set a sandstone $18 \times 12 \times 10$ ins, 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dig pits $18 \times 18 \times 12$ ins. E & W. of stone $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

80,08 cor. to sec. 11, 12, 13, & 14.
 Grazing level
 Surf. level. Soil 3' cat.

N. bet. sec. 11 & 12,

Var. $14^{\circ} 5' E$

On level surface

13,00 near valley, course S.W.

40,00 Set a sandstone $16 \times$

T. 20 N. R. 21, E.

chains.

10 x 4 ins, 11 ins, in
the ground for $\frac{1}{4}$
sec. cor, marked $\frac{1}{4}$
on W. face, dug pits
18 x 18 x 12 ins, N. & S. of
stone, $5\frac{1}{2}$ ft, dist, &
raised a mound
of earth $1\frac{1}{2}$ ft, high,
 $3\frac{1}{2}$ ft, base along side.

8000

Set a sandstone 20
x 6 x 6 ins, 15 ins, in
the ground for cor,
to sec. 1, 2, 11 & 12,
marked with 5 notches
on S. & 1 notch on E,
edges, dug pits 18 x
18 x 12 ins, in each
sec, $5\frac{1}{2}$ ft, dist, &
raised a mound of

T. 20 N., R. 21. E.,

chains

earth 2 ft. high, $4\frac{1}{2}$
 ft. base along side
 Grazing Good
Surfa. level. Soil 3⁵ rate

E. on random line
 bet. sees. 1 & 12,

Var. $14^{\circ} 5' E.$

19.00

Top of spur 30 ft. high,
 obs. N. E.

40.00

Set temporary $\frac{1}{4}$ sec. cor.

79.90

Intersect - E. by of Sp.
 15 lks. S. of cor. to sees.
 1, 6, 7, 8, 12, previously
 established by me,

Thence I run
 S. $89^{\circ} 54' W.$ on true
 line bet. sees. 1, & 12,
 with same var.

39.95

Set a sandstone 18x

T. 20 N. R. 21 E,

chains

15 x 8 ins, 12 ins. in
the ground for $\frac{1}{4}$ sec,
cor, marked $\frac{1}{4}$ on
N. face, dug pits 15 x
15 x 12 ins. E. & N. of
town, & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side.

4990 Cor. to sees. 1, 2, 11, & 12,
Grazing Good
Soil 3rd grade
Surface rolling

N. bet. sees. 1 & 2,

Var. $14^{\circ} 5' E$,

Over rolling surface,

4000 Put a sandstone 10
x 10 x 8 ins, 6 ins. in
the ground for $\frac{1}{4}$

T. 20 N. R. 21. E,

chains

sec. cor. marked $\frac{1}{4}$ on
 W. face, dug pits $18 \times$
 18×12 ins. N. & S. of
 stone, $3\frac{1}{2}$ ft. dist. &
 raised a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side.

80, 21 Intersect - 5th Standard
 N. 20 lks. E. of stan-
 dard cor. 10 sec.
 35, 7, 36, previously
 established by me
 when I set a sand-
 stone $13 \times 13 \times 5$ ins.
 9 ins. in the ground
 for ^{closing} cor. to sec. 1 & 2,
 marked C.C. with 5
 notches on W. & 1
 notch on E. edges,

T. 20, N. R. 21, E,
chains,

dug pits $18 \times 18 \times 12$ ins.
O. E. & W. of stone, $5\frac{1}{2}$
ft. dist. & raised a
mound of earth 2
ft. high, $4\frac{1}{2}$ ft. base
along side.

Surface rolling
Spring fair. Soil 3' cat.

Frank Follman
Nov. 7, 1882,

I carefully examine the
adjustments of my comp-
pass today, especially the
latitude & reversing
apparatus, & find
them correct.

T. 20. N. R. 21. E.

chains

In our return to cor.
 10 sec. 34, 35, 2, 7, 3,
 on S. by of Op. which
 is a sandstone 12
 x 8 ins, properly set &
 marked, and with
 pits and mound
 of earth, and one
 N. bet. sec. 34, & 35,
 var. $14^{\circ} 5' E$.

Over rolling surface

4000

Set a sandstone $16 \times$
 14×10 ins, 11 ins. in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on N.
 face, dug pits $18 \times 18 \times$
 12 ins. N. & S. of stone
 $5\frac{1}{2}$ ft. dial. & raised
 a mound of earth

T. 20 N. R. 21. E.

chains

$1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
along side,

8000

Set a sandstone $14 \times$
 10×8 ins, 9 ins. in the
ground for cor. to sec.
26, 27, 34 & 35, marked
with 1 nolet on S. &
2 nolets on E. edges,
dug pits $18 \times 18 \times 12$ ins.
in each sec. $5\frac{1}{2}$ ft.
dial, & raised a
mound of earth 2
ft. high, $4\frac{1}{2}$ ft. base
along side.

Grazing good
Soil 3rd grade
Surface rolling

E. on random line
bet. sec. 26. & 35.

T. 20 N., R. 21, E.,

Chains

- Var. $14^{\circ} 5' E$,
 Over rolling surface
 40,000 Set temporary $\frac{1}{4}$ sec. cor.
 60,000 Blue N. of this point -
 217 lks. is situated
 Martin Jahus's residence
 72,000 cross dry wash, 13 lks. wide,
 course S. W.
 79,920 Intersect - N. & S. line
 16 lks. N. of cor. to sees,
 25, 26, 35, 36,
 Thence I run
 N. $89^{\circ} 53' W$. on true
 line bet. sees 26 & 35,
 with same var,
 39,960 Set a sandstone $18 \times$
 16×12 ins., 12 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N.

T. 20 N. R. 21. E.

chains

face, dug pits $18 \times 18 \times 12$ ins, E. & W. of stone, $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side

49.92 Cor. to seas 26, 27, 34 & 35

Grazing Good

Soil 3rd grade
Surface rolling

N. bet. seas, 26, & 27

Var. $14^{\circ} 5' E$,

Over rolling surface

4000

Set a sandstone $16 \times 12 \times 8$ ins, 11 ins. in the ground for $\frac{1}{4}$ sea. cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins, N. & S. of stone, $5\frac{1}{2}$ ft.

T. 20 N. R. 21. E.

chains

dirt, & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side.

Soils

Set a sandstone $18 \times$
 14×10 ins. in the
ground for cor. to sec.
22, 23, 26, & 27, marked
with 2 notches on
N. & E. edges, dug
pits $18 \times 18 \times 12$ ins. in
each sec. $5\frac{1}{2}$ ft. dirt;
& raised a mound
of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base along side

Grazing good
Soil 3rd grade
Surface rolling

T. 20 N. R. 21, E.

chains,

C. on random line

bet. res. 23 & 26,

var. $14^{\circ} 5' E$,

Over rolling surface

4000

Set temporary $\frac{1}{4}$ sec. cor.

76,00

Enter bad lands, bet.

N.E. & S.W.

79,90

Intersect N. & S. line

16 lks. S. of cor. To res.

23, 24, 25, & 26,

Thence I run

 $S. 89^{\circ} 53' W.$ on true

line bet. res. 23 & 26,

with same var.

39,95

Set a sandstone $18 \times$ 14×12 ins, 12 ins

in the ground for

 $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ on N. face, dug

T. 20 N., R. 21, E.

chains

pits 18x18x12 ins. E. &
 W. of stone, $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside.

79.90 cor. to sec. 22, 23, 26 & 27

Grazing Good

Soil 3rd grade
Surface rolling

N. bet. sec. 22 & 23

Var. 14° S¹E.

Over rolling surface

40.00

Set a sandstone 16x
 12x8 ins, 11 ins. in
 the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on
 N. face, dug pits 18x
 18x12 ins. N. & S. of

T. 20 N. R. 21. E.

chairs

8000

stone, $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side set a sandstone $18 \times 12 \times 10$ ins., 12 ins. in the ground for cor, to nos. 14, 15, 22 & 23, marked with 3 notches on S. & 2 notches on E. edges, dug pits $18 \times 18 \times 12$ ins., in each one, $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side.

Grazing Good
 Surface Soil 3⁵ fms

T. 20. N. R. 21. E.

chains

E. on random line
bet. sec. 14 & 23,Var. $14^{\circ} 5' E$,

Over rolling surface

4000 Det Temporary $\frac{1}{4}$ sec. cor.
79.88 Intersect - N. & S. line16, lks. N. of cor. to sec.
13, 14, 23, & 24,

Thence I run

N. $89^{\circ} 53' 7''$ on true
line bet. sec. 14 & 23

with same var.

39.94 Det a sandstone 21
 $\times 14 \times 11$ ins, 15 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on
N. face, dug pits
 $18 \times 18 \times 12$ ins, E & W,
of stone, $5\frac{1}{2}$ ft. dist.

T. 20. N. R. 21. E.

shades

7988 I raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside
Cor. to sec. 14, 15, 22, & 23,
grazing good
Soil 3rd grade
on rolling surface

N. bet. sec. 14 & 15
Var. $14^{\circ} 5' E.$
over valley

7.00 Leave valley
over rolling surface

4000 Put a sandstone $18 \times$
 10×10 ins, 12 ins. in
the ground for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on N.
face, dug pits 18×18
 $\times 12$ ins. N. & S. of
stone, $5\frac{1}{2}$ ft. dist. &

T. 20 N. R. 21 E.

chains

8000

raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side.
Set a sandstone 22
x 16 x 5 ins, 16 ins. in
the ground for cor.
to res. 10, 11, 14 & 15,
marked with 4 notches
on D, and 2 notches
on E. edges, dug pits
18 x 18 x 12 ins. in each
res. $5\frac{1}{2}$ ft. dist. &
raised a mound
of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base along side.
Grazing good
Surface rolling. Soil 3rd cat

T. 20 N. R. 21. E.

chains,

E. on random line

bet. sec. 11 & 14,

Var. $14^{\circ} 5' E$,

Over rolling surface

Gradual descent

37.00

Enter level valley

40.00

Set temporary $\frac{1}{4}$ sec. cor.

80.12

Intersect N. & S. line

14 lks. S. of cor. to sec.

11, 12, 13 & 14,

Thence I run

S. $89^{\circ} 54' W$. on true

line bet. sec. 11 & 14

with same var.

40.06

Set a sandstone 15

$\times 10 \times 5$ ins., 10 ins. in

the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ on

N. face, dug pits

T. 20 N. R. 21, E.

chains

18x18x12 ins. E. & W.
of stone, $5\frac{1}{2}$ ft. dist.
& raised a mound
of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side.

80, 12 cor. to sees. 10, 11, 14, & 15,
Grazing good
Soil 3rd grade
Surface rolling

N. bet. sees. 10 & 11,

var. $14^{\circ} 5' E$,

over rolling surface

4000 Set a lava stone 15x
12x8 ins, 10 ins, in
the ground for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on
N. face, dug pits 18x
18x12 ins, N. & S. of
stone, $5\frac{1}{2}$ ft. dist. &

T. 20 N. R. 21. E.

chairs

8000

raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side
 Put a sandstone $18 \times 10 \times 6$ ins., 12 ins. in the ground for cor. to see, 2, 3, 10 & 11, marked with 5 notches on S, & 2 notches on E, edges, dug pits $18 \times 18 \times 12$ ins. in each cor., $5\frac{1}{2}$ ft. dist., & raised a mound of earth 2 ft. high, $4\frac{10}{12}$ ft. base along side.

Brazing good

Oil $3\frac{11}{12}$ grade.
 Surface rolling

T. 20 N. R. 21. E.

chains

E. on random line

bet. sees. 2, 7, 11,

var. $14^{\circ} 5' E$,

over rolling surface,

40.00 Set temporary $\frac{1}{4}$ sec. cor.

80.08 Intersect N. & S. line

131ks P. of cor. to sees,

1, 2, 11, 7, 12,

Thence I run

S. $89^{\circ} 55' W$. on true

line bet. sees. 2 & 11

with same var.

40.04 Set a sandstone $18 \times$

15×5 ins, 12 ins, in

the ground for $\frac{1}{4}$ sec,

cor. marked $\frac{1}{4}$ on

N. face, dug pits $18 \times$

18×12 ins, E & W. of

stone, $5\frac{1}{2}$ ft. dist.

T. 20 N. R. 21, E,

chains

80.08

& raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base, alongside.
Cor. to sees. 2, 3, 10 & 11.

Surface rolling
Soil 3' shad. Grazing fair

N. bet. sees. 2, & 3,

var. $14^{\circ} 5'$ E,

over rolling surface

40.00

Ret a sandstone 20
 $\times 10 \times 5$ ins, 15 ins, in
the ground for $\frac{1}{4}$ see,
Cor. marked $\frac{1}{4}$ on
N. face, dug pits $18 \times$
 18×12 ins, N. & S. of
stone, $5\frac{1}{2}$ ft. dist.
& raised a mound
of earth, $1\frac{1}{2}$ ft. high.

T. 20. N. R. 21, E

chains

8026 $3\frac{1}{2}$ ft. base along side,
 intersected 5th stan-
 dard N, at a point
 14 lks. W. of standard
 cor, 10 aces, 34 & 35,
 previously established
 by me,
 when I set a lava
 stone $12 \times 12 \times 8$ ins,
 8 ins. in the ground
 for closing cor, 10
 aces, 2 & 3, marked
 C.C. with 4 nolets on
 W. & 2 nolets on
 E edges, dug pits 18
 $\times 18 \times 12$ ins. S. E & W.
 of stone, $5\frac{1}{2}$ ft. dia.,
 & raised a mound
 of earth 2 ft. high,

T. 20 N. R. 21, E.

chains.

$4\frac{1}{2}$ ft. base along-
side,

Surface rolling
Soil $\frac{3}{4}$ bet. grazing fair

John Rye
Compassman

Nov. 7, 1882,

I now return to the
cor. to ces. 33, 34,
3 & 4, on P. by of Th-
which is a sandstone
12 x 8 ins, properly
set & marked, and
with pits & mound
of stone, & run
N. bet. ces. 33 & 34,

T. 20 N., R. 21, E.

Chains

Tav, $14^{\circ} 5' E$,

over level surface

4000 Put a lava stone, $18 \times$ 16×8 ins, 12 ins, inthe ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$

on N. face, dug pits

 $18 \times 18 \times 12$ ins, N. & S.of stone, $3\frac{1}{2}$ ft. dist.

& raised a mound

of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along-

side.

8000 Put a sandstone 20 $\times 15 \times 6$ ins, 15 ins, in

the ground for cor.

to sec. 27, 28, 33, & 34,

marked with 1 notch

on 1, & 3 notches on

T. 20 N. R. 21 E.

chains

E. edges, dig pits 18x
18x12 ins, in each
sec, 5½ ft, dist; &
raised, a mound
of earth 2 ft, high,
4½ ft, base along side

Grazing good
Surface level. Soil 3' rate

E. on random line
bet, secs, 27 & 34,

Var, 14° 5' E,

Over level valley

4000
to 10
bet temporary ¼ sec cor,

Intersect N & S. line
131ks. S. of cor, to secs,
26, 27, 34 & 35,

Thence I run

S, 89° 55' W, on true
line bet, secs, 27 & 34,
with same var.

T. 20, N. R. 21, E.

chain

40,05 Put a sandstone 15
 x 10 x 6 ins., 10 ins. in
 the ground for $\frac{1}{4}$
 sec, cor. marked $\frac{1}{4}$
 on N. face, dug pits
 18 x 18 x 12 ins. E. N. of
 stone, 5 $\frac{1}{2}$ ft. dist. &
 raised a mound
 of earth 1 $\frac{1}{2}$ ft. high,
 3 $\frac{1}{2}$ ft. base along-
 side.

80,10 cor. to sec. 27, 28, 33, & 34,
 grazing good,
 surface level. Soil 3' cat.

N. bet. sec. 27 & 28,
 var. 14° 5' E,

Over level surface

40,00 Put a lava stone

T. 20 N. R. 21 E.

chairs

20x10x4 ins, 15 ins,
in the ground for
 $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$
on N. face, dug pits
18x18x12 ins, N. & S,
of stone, $5\frac{1}{2}$ ft. dist.
& raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side

80,00

Set a sandstone 20x
10x8 ins, 15 ins, in the
ground for cor. to sec.
21, 22, 27 & 28 marked
with 2 notches on S,
& 3 notches on E. edges,
dug pits 18x18x12 ins,
in each sec, $5\frac{1}{2}$ ft.
dist., & raised a
mound of earth 2

T. 20. N. R. 21, E.

Chains

ft. high, $4\frac{1}{2}$ ft. base
 along side ^{Sand level soil 3' path}
 Grazing good

E. on random line
 bet. sec. 22, 23, 24,
 Var. $14^{\circ} 5' E$,
 over level valley

40.00 Det Temporary $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. & S. line
 16 lks. N. of cor. to
 sec. 22, 23, 26 & 27
 Thence I run

N. $89^{\circ} 53' W$. on true
 line bet. sec. 22 & 24,
 with same var.

39.95 Det a sandstone $17 \times$
 10×4 ins, 12 ins, in
 the ground for $\frac{1}{4}$

T. 20 N., R. 21 E.,

chains

sec. cor. marked $\frac{1}{4}$ on
N. face, dug pits 18x
18x14 ins. E. & W. of
stone, 5 $\frac{1}{2}$ ft. dist. &
raised a mound of
earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
ft. base along side

79.90

cor. to sec. 21, 22, 27 & 28,

Grazing good
Surface Soil 3' ext.

N. bet. sec. 21, & 22,
Var. 14° 5' E.

Over level valley

4000

Set a sandstone 20
x6x6 ins. 15 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on
N. face, dug pits 18x18x14

T. 20 N. R. 21, E.

Chains

ins. N. & S. of 21 row, $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side.

8000 Put a sandstone $16 \times 12 \times 8$ ins., 11 ins. in the ground for cor. to sec. 15, 16, 21, & 22, marked with 3 nails on O, & E. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side. Land level grazing fair. Soil 3rd class

T. 20 N. R. 21. E.

chains

E. on random line

bet. sec. 15 & 22,

Var. $14^{\circ} 5' E$,

over level valley

4000

Set temporary $\frac{1}{4}$ sec. cor

80,10

Intersect - N. & S. line

, 5 lks. S. of cor. 10 sec.

14, 15, 22 & 23.

Thence I run

S. $89^{\circ} 54' N$, on true

line bet. sec. 15, & 22,

with same var.

40,05

Set a lava stone 10

x 10 x 8 ins, 6 ins, in

the ground for $\frac{1}{4}$

sec. cor. marked $\frac{1}{4}$

on N. face, dug pits

18 x 18 x 12 ins, E. & W.

of stone, $5\frac{1}{2}$ ft. dist,

T. 20. N. R. 21. E.

chains

& raised, a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side,
 80,10 cor. to sees. 15, 16, 21 & 22,
 Grazing good
 Soil 3rd rate
Surface level

N. bet. sees. 15 & 16,
 var. $14^{\circ} 5'$ E,

20,00 over valley land
 heavy valley, brs. E. & W.
 ascend gradually
 over rolling surface,
 40,00 Put a sandstone $16 \times$
 12×10 ins, 11 ins, in
 the ground for $\frac{1}{4}$ see,
 cor. marked $\frac{1}{4}$ on
 N. face, dug pits 18
 $\times 18 \times 12$ ins N. & S. of

T. 20. N. R. 21. E.
chains

8000

Stone, $5\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side. Put a sandstone $18 \times 14 \times 14$ ins, 12 ins. in the ground for cor, to sec. 9, 10, 15, & 16, marked with 4 notches on S, & 3 notches on E. edges, dug pits $18 \times 18 \times 12$ ins, in each sec, $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side.
Sand level. Grazing for Soil 3' etc.

49,

BOOK 361

T. 20 N. R. 21 E,

chains,

E. on random line

bet. sec. 10 & 15,

Var. $14^{\circ} 5' E$,

Over rolling surface,

40.00

Set temporary $\frac{1}{4}$ sec. cor.

80.09

Intersect N. & S. line

15 lks. S. of cor. to sec.

10, 11, 14, & 15, marked

Thence I run

S. $89^{\circ} 54' W$. on true

line bet. sec. 10 & 15,

with same var.

40.05

Set a sandstone 13

 $\times 12 \times 8$ ins, 9 ins. inthe ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on

N. face, dug pits

 $18 \times 18 \times 12$ ins, E. & W.of. stone, $5\frac{1}{2}$ ft. dist,

T. 20 N., R. 21. E.

hands

8009 & raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side,
Cor. to sec. 9, 10, 15, & 16,
Grazing Good
Surface rolling. Soil 3rd rate

N. bet. sec. 9, & 10.

Var. 14° 5' E.

4000 Our rolling surface
Put a sandstone $16 \times$
 12×8 ins., 11 ins., in
the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$
on N. face, dug pits
 $18 \times 18 \times 12$ ins., N. & S.
of stone, $5\frac{1}{2}$ ft. dist.
& raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side.

T. 20 N. R. 21, E.

chains

Boos

Set a sandstone 20
 x 16 x 14 ins, 15 ins, in
 the ground for cor,
 To Res. 3, 4, 9, 8, 10,
 marked with 5 notches
 on O, & 3 notches on
 E edges, dug pits
 18 x 18 x 12 ins, in
 each res, 5 1/2 ft. dist.
 & raised a mound
 of earth 2 ft. high,
 4 1/2 ft. base along each
 surface rolling
 grazing fire, Soil 3' cat

E. on random line
 bet. Res. 3 & 10,
 Var. 14° 5' E.
 Over rolling surface

T. 20 N. R. 21. E.

chains

4000 set temporary $\frac{1}{4}$ sec. cor.
 7978 Intersect - N. & S. line
 16 lks. S. of cor. to sees,
 2, 3, 10, & 11.

Thence I run
 $0.89^{\circ} 53' W.$ on 1 mi
 line bet. sees, 3 & 10,
 with same var.

3989 Set a sandstone 12
 $\times 12 \times 8$ ins, 8 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor, marked $\frac{1}{4}$ on
 N. face, dug pits 18
 $\times 18 \times 12$ ins. E. & W. of
 stone, $5\frac{1}{2}$ ft. dist; &
 raised a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side,
 7978 cor. to sees, 3, 4, 9, & 10,

T. 20 N. R. 21, E,

Chains

Surface rolling
 grazing. Good
 Soil 3' cat

N. bet. secs. 3 & 4,

Run. $14^{\circ} 5' E$,

Omr rolling surface,

4000

Set a sandstone 16
 $\times 12 \times 8$ ins, 11 ins, in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on
 W. face, dug pits
 $18 \times 18 \times 12$ ins, N. & S,
 of stone, $5\frac{1}{2}$ ft. dist,
 & raised a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side
 8033 Intersect - 5th stand-
 ard N. at a point
 48 lts W. of standard

T. 20, N. R. 21, E.

hairs

cor. to Res. 33 & 34,
 previously established
 by me,
 when I set a sand-
 stone 18 x 10 x 6 ins,
 12 ins. in the ground
 for closing cor. to
 Res. 3 & 4, marked
 C.C. with 3 nolets
 on E. & W. edges, dug
 pits 18 x 18 x 12 ins,
 S. E. & W. of stone,
 3 1/2 ft. diam. & raised
 a mound of earth
 2 ft. high, 4 1/2 ft.
 base along side.
 Grazing good.
 Soil 3rd grade
Surface Calling

T. 20 N. R. 21. E,

chains

Frank Fullman
Nov. 8, 1882,

I carefully examined
the adjustments of
my instrument to-
day, especially the
latitude & reversing
apparatus, & find
them correct.

T. 20 N. R. 21. E.

chains

I now return to cor.
to sees 32, 33, 4 & 5,
on P. by of T_h, which
is a sandstone 12
x 8 ins, properly set
& marked, & with
pits & mound of
earth, & run
N, bet. sees. 32 & 33,
var. $14^{\circ} 5' E$,

over rolling surface
4000' set a sandstone 20
x 15 x 5 ins, 15 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N,
face, dug pits 18 x 18 x
12 ins, N. & S. of stone
 $5\frac{1}{2}$ ft. diat. & raised
a mound of earth

T. 20 N., R. 21 E.,

chains

$1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
along side,

8000 Set a sandstone $13 \times$
 12×8 ins, 9 ins. in the
ground for cor. to sec.
28, 29, 32 & 33, marked
with 1 notch on S. &
4 notches on E. edges,
dug pits $18 \times 18 \times 12$ ins,
in each sec, $5\frac{1}{2}$ ft.
dist., & raised a
mound of earth 2
ft. high, $4\frac{1}{2}$ ft. base
along side,

Grazing good
Duffer rolling. Soil ~~is~~ ^{is} ~~at~~ ^{at}

E. on random line
bet. sec. 28 & 33,
Var, $16^{\circ} 5' E$,

T. 20 N. R. 21. E,

chains

over rolling surface
4000 Put temporary $\frac{1}{4}$ sec. cor.
7400 Enter level valley

hrs. N. E. & S. W.,
7989 Intersect N. & S. line
151ks. S. of cor. to sec.
27, 28, 33 & 34.

Thence I run
S. $89^{\circ} 34'$ W. on true
line bet. sec. 28 & 33
with same var.

3995 Put a lava stone $16 \times$
 10×4 ins, 11 ins, in
the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$
on N. face, dug pits
 $18 \times 18 \times 12$ ins, E. & W.
of stone, $5\frac{1}{2}$ ft. dirt,
& raised a mound

59,

BOOK 361

T. 20 N. R. 21 E,

chains

79,89

of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side,
 cor. to ces. 28, 29, 32 & 33,
 grazing good
 Soil 3rd grade
~~Surface rolling~~

N. bet. ces. 28 & 29,

Var. $14^{\circ} 5' E$,

Over rolling surface

4000

Set a lava stone 20
 $\times 10 \times 6$ ins. 15 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N.
 face, dug pits $18 \times 18 \times$
 12 ins. N. & S. of stone
 $5\frac{1}{2}$ ft. dist. & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 along side.

S. 20 N. R. 21. E.

chains

8000

Put a sandstone 13
x 12 x 8 ins. 9 ins. in the
ground for cor. to sec.
20, 21, 28, & 29 marked
with 2 notches on S,
& 4 notches on E. edges,
dug pit 18 x 18 x 12
ins. in each sec. 5 1/2
ft. dist. & raised
a mound of earth
2 ft. high, 4 1/2 ft. base
along side.

Soil 3rd grade
grazing good
Super Hokey

E. on random line
bet. sec. 21, & 28,

Var. 14° 5' E.

Descend gradually

T. 20 N. R. 21. E,

chains,

over rolling surface

40,00 Set temporary $\frac{1}{4}$ sec. cor.
 57,00 Eutw level valley br. N. & S.
 80,10 Intersect N. & S. line
 15 lks. S. of cor. to sees,
 21, 22, 24 & 28.

Thence I run
 S. $89^{\circ} 54'$ W. on true
 line bet. sees, 21, & 28,
 with same var.

40,05 Set a sandstone $13 \times$
 8×6 ins. 9 ins. in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N face,
 dug pits $18 \times 18 \times 12$
 ins. E. & W. of stone
 $3\frac{1}{2}$ ft. dist; & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base

S. 20 N. R. 21. E.

chains

alongside

8010 cor. to sec. 20, 21, 28 & 29

Grazing Dovel
Surface rolling. Soil 3 pat

N. 1/4 sec. 20 & 21

var. 14° 5' E.

One rolling surface

4000 Set a sandstone 30 x
10 x 6 ins, 22 ins. in the
ground for 1/4 sec. cor.
marked 1/4 on N. face,
dug pits 18 x 18 x 12 ins,
N. & S. of stone, 5 1/2 ft,
dist, & raised a
mound of earth 1 1/2
ft. high, 3 1/2 ft. base
alongside.

7000 ascend gradually

8000 Set a sandstone

T. 20 N. R. 21. E,

chauns,

20x10x4 ins, 15 ins. in
 the ground for cor,
 to sec. 16, 17, 20, & 21,
 marked with 3 notches
 on S, & 4 notches on E
 edges, dug pits 18x18x
 12 ins, in each sec,
 5½ ft. dist. & raised
 a mound of earth
 2 ft. high, 4½ ft.
 base along side

Grazing good
~~Surfa rolling~~ Soil 3' ab

E on narrow line
 bet. sec. 16 & 21,

Var. 14° 5' E,

over rolling surface
 begin to descend
 sit temporary ¼ sec. cor.

28,000

40,000

T. 20, N. R. 21, E.

chain

- 0000 Entire level valley, brs.
N. 10° E.
- 1990 Intersect - N. & S. line
18 lks. S. of cor. to sec,
15, 16, 21, & 22,
Thence I run
S. $89^{\circ} 52' N.$ on true
line bet. sec. 16 & 21
with same var.
- 39.95 - At a sandstone 16
 $\times 15 \times 5$ ins, 11 ins, in
the ground for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on
N. face, dug pits 18
 $\times 18 \times 12$ ins. E. & W. of
stone, $5\frac{1}{2}$ ft. dist. &
raised a mound
of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side,

T. 20 N., R. 21 E.

chains

49,90 Coy. to sees, 16, 17, 20, & 21,
 Grazing Good
 Soil 3rd grade
~~Superior~~

N. bet. sees, 16 & 17

Var. $14^{\circ} 5' E$,

4000 Our rolling surface
 Put a sandstone $18 \times$
 12×12 ins, 12 ins, in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on
 N. face, dug pits $18 \times$
 18×12 ins N. & S. of
 stone $5\frac{1}{2}$ ft. dist. &
 raised a mound
 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side.
 8000 Put a sandstone 20
 $\times 16 \times 14$ ins, 15 ins,

T. 20 N., R. 21, E.

Chains

in the ground for
 cor. to secs. 8, 9, 16, & 17,
 marked with 4 notches
 on N. & E. edges, dug
 pits 18x18x12 ins. in
 each sec. 3½ ft. dist.
 & raised a mound
 of earth 2 ft. high, 4½
 ft. base along side

Grazing good
Surface rolling. Soil 3-4' cat.

E. on random line
 bet. secs. 9, & 16,

Var. 14° 31' E.

Over rolling surface

4000 ft temporary $\frac{1}{4}$ sec. cor.

8013 Intersect - N. & S. line

15 lks. S. of cor. to secs.

9, 10, 15, & 16,

T. 20. N. R. 21. E.

chains

Thence I run
 S. 89° 54' W. on true
 line bet. eas. 9 & 16,
 with same var.

40.06 Set a sandstone 18 x
 14 x 10 ins; 12 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on
 N. face, dug pits 18 x
 18 x 12 ins. E. & W. of
 stone, 5 $\frac{1}{2}$ ft. dia., &
 raised a mound
 of earth 1 $\frac{1}{2}$ ft. high,
 3 $\frac{1}{2}$ ft. base along
 side.

fo. 13 Cor. to eas. 8, 9, 16 & 17,
 Grazing food
 Soil 3rd grade
Surface Elevation

T. 20 N. R. 21, E,

chains

N. bet. sec. 8, 7, 9.
Tan. $14^{\circ} 5' E$.

4000

Over rolling surface
 Set a sandstone $16 \times$
 12×8 ins, 11 ins, in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$
 ins, N. & S. of stone,
 $5\frac{1}{2}$ ft. dia., & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 along side.

8000

Set a sandstone 16
 $\times 12 \times 8$ ins, 11 ins, in
 the ground for cor,
 to sec. 4, 5, 8 & 9,
 marked with 5
 notches on "D." & 4 notches

T. 20 N. R. 21. E.

chains

on E. edges, dug pits
 18x18x12 ins, in each
 sec. $5\frac{1}{2}$ ft, dist. &
 raised a mound
 of earth 2 ft. high,
 $4\frac{1}{2}$ ft. base along side
 Surface within 1/2 ft. of
 Soil 3' rate

E. on random line
 bet. secs. 4 & 9

Var. $14^{\circ} 5'$ E.

Our rolling surface

Set Temporary $\frac{1}{4}$ sec. cor.
 Intersect N. & S. line
 15 lks. S. of cor. to sec.

3, 4, 9 & 10.

Thence I run

S. $89^{\circ} 54'$ W. on true
 line bet. secs 4 & 9

40.00

80.13

T. 20 N. R. 21, E,

chains

with same var.

4006 Put a sandstone 16
x 12 x 8 ins, 11 ins. in
the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on
N. face, dug pits 18 x
18 x 12 ins. E. & W. of
stone, $5\frac{1}{2}$ ft. dist. &
raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside

8013 cor. to sec. 4, 5, 8, & 9.

Grazing good
Soil 3rd grade
Surface rolling

N. bet. sec. 4 & 5,

Var. $14^{\circ} 5' E$,

Ovr rolling surface

4000 Put a sandstone

F. 20 N. R. 21. E.

chain

16x12x10 ins, 11 ins, in
the ground for $\frac{1}{4}$ sec.
cor, marked $\frac{1}{4}$ on
N. face, dug pits 18x
18x12 ins, N. & S. of
stone, $3\frac{1}{2}$ ft, dist.
& raised a mound
of earth $1\frac{1}{2}$ ft, high
 $13\frac{1}{2}$ ft, base along side.
St. 38 Intersect - 5th Standard
and N, at a point
82 lks, N. of Standard
cor, to Secs, 32, & 33,
previously established
by me.

When I set a
Standard 16x10x4
ins, 11 ins, in the
ground for closing

T. 20, N. R. 21, E.

chains

Cor. to sec. 4 & 5,
 marked @, @, with 2
 notches on W, & 4
 notches on E. edges,
 dug pits 18 x 18 x 12
 ins, S, E, W, of stone
 $5\frac{1}{2}$ ft, dist, & raised
 a mound of earth
 2 ft, high, $4\frac{1}{2}$ ft. base
 along side.

Grazing good

Soil 3rd grade

Land rolling

John Lee
 Comptroller
 Nov. 8, 1882,

S. 20 N, R. 21. E,

chains

I now return to cor.
to sec. 31 & 32, 5 & 6,
on S. by of Th, which
is a sandstone 10
x 8 ins, properly set
& marked & with
pits & mound of
earth, & run

N. bet, sec. 31 & 32,
var, $14^{\circ} 5' E$,

4,000

Over rolling surface,
set a lava stone 14×10
 $\times 4$ ins, 11 ins, in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins,
N. & S. of stone, $5\frac{1}{2}$ ft, dist
& raised a mound of
earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft,

T. 20 N. R. 21. E.

chains,

base alongside

8000 Put a sandstone 18x
 8x8 ins., 12 ins. in the
 ground for cor. to sec.
 29, 30, 31, & 32, marked
 with 1 notch on S. and
 5 notches on E. edges,
 dug pits 18x18x12 ins.
 in each sec. 5½ ft.
 dist. & raised a mound
 of earth 2 ft. high, 4½
 ft. base alongside

Grazing good
 Land rolling Soil 3rd rate

E. on random line
 but sec. 29, & 32,

Var. 14° 5' E.

Over rolling surface
 descend gradually

T. 20 N. R. 21 E.

chains

- 8,00 Enter valley or rag
trs. N. 20° E,
- 40,00 Set temporary $\frac{1}{4}$ sec. cor.
- 48,00 Leave valley, trs. N. & S,
- 80,10 Intersect N. & S. line
15 lks S. of cor. to sees.
28, 29, 32, & 33,
Thence I run
S. 89° 54' W. on true
line bet. sees. 29 & 32
with same var.
- 40,05 Set a sandstone 20
x 8 x 8 ins, 15 ins, in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins,
E. & W. of stone $5\frac{1}{2}$ ft,
dist. & raised a mound
of earth $1\frac{1}{2}$ ft. high

S. 20 N. R. 21. E.

chains

3½ ft. base alongside,
 80,10 cor. to sec. 29, 30, 31, & 32
 Grazing ^{Surface rolling} Good Soil 3/4
 Frank Follman
 Nov. 9, 1882.

W. on random line
 bet. sec. 30 & 31.

Var. 14° 5' E,

over rolling surface

40,000 Put temporary ¼ sec. cor.

84,20 Intersect W. by of Th.

16 lbs. N. of cor. to sec. established by me
 25, 30, 31, & 36, previously.

Thence I run

N. 89° 53' E. on true
 line bet. sec. 30, & 31,

with same var.

44,20 Put a lava stone 16x

T. 20 N. R. 21 E.

chain

12 x 8 ins., 11 ins., in the
ground for $\frac{1}{4}$ sec. cor,
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins.,
E. & W. of stone, $5\frac{1}{2}$ ft.
dist., & raised a
mound of earth $1\frac{1}{2}$ ft
high, $3\frac{1}{2}$ ft. base along
side

84 20

cor. to sec. 29, 30, 31, & 32
^{Surface rolling}
Grazing good soil $3\frac{1}{2}$ sec.
John Blue
Compassman
Nov. 9, 1882,

N. bet. sec. 29, & 30,
Var. $14^{\circ} 5' E$,
One rolling surface

T. 20 N. R. 21, E.

chains

- 4000 Set a sandstone $12 \times 10 \times 9$ ins, 6 ins, in the ground for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins N. & S. of stone, $3\frac{1}{2}$ ft. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side.
- 5000 Top of hill 75 ft. high, hrs. N. 10° E \times S 10° W.
- 5500 Foot of hill, 60 ft. descent hrs. N. 10° E \times S 10° W. over rolling surface,
- 8000 Set a sandstone $10 \times 8 \times 8$ ins, 6 ins, in the ground for cor. 10 sec. 19, 20, 29, & 30,

T. 20 N. R. 21 E.

chains

marked with 2 notches
 on S, and 5 notches on
 E edges, dug pits 18 x
 18 x 14 ins. in each
 row, 5½ ft. dist. and
 raised a mound of
 earth 2 ft. high, 4½
 ft. base along side
 Surface rolling,
 Soil 3rd ~~cat~~ grazing fair

E. on random line
 bet. rows 20, 21, 29.

Var. 14° 5' E.

Over rolling surface
 ascend

2.00 Top of ridge 40 ft. high
 bet. N. & S. descend

15.00 Foot of ridge, 80 ft. descent

T. 20 N. R. 21 E.

chains.

4000 Set temporary $\frac{1}{4}$ sec. cor,
 8014 Intersect N. & S. line
 16 lks. N. of cor. to sees.
 20, 21, 28, & 29.

Thence I run
 N. $89^{\circ}53'$ ~~N~~ on true
 line bet. sees. 20 & 29,
 with same var.

4004 Put a lava stone $10 \times$
 10×6 ins, 6 ins, in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$
 ins, E & W. of stone,
 $5\frac{1}{2}$ ft. dist, & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 along side.

8014 cor. to sees. 19, 20, 29, & 30.

T. 20 N. R. 21 E.

chains

Surface rolling Soil 3rd etc
 Grazing good
 Frank Follman
 Nov. 9, 1882

W. on random line
 bet. sec. 19 & 30,
 var. $14^{\circ} 5' E$,
 over rolling surface
 gradual ascent

4000
 84.09
 But temporary $\frac{1}{4}$ sec. cor.
 intersect W. by of Ch.
 8 lks S. of cor. to sec.
 19, 24, 25, & 30, previously
 established by me,
 Thence I run
 S. $89^{\circ} 54' E$, on true
 line bet. sec. 19, & 30,
 with same var.

T. 20 N. R. 21. E.

chains.

44.09 Set a sandstone 13 x
10 x 6 ins, 9 ins, in the
ground for $\frac{1}{4}$ sec. cor,
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins,
E. & W. of stone, $5\frac{1}{2}$ ft,
dist, & raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side,

84.09 cor. to secs 19, 20, 29, & 30,

Surface drilling
Wazing Good
John Blue *3rd 3 rats*
Compassman
Nov. 9, 1882,

N. bet. secs. 19 & 20,
Var. $14^{\circ} 5' E$,

Over rolling surface

3000 Enter bad lands, bet. E & W,

T. 20 N., R. 21, E.

chain

- 40.00 Set a sandstone $18 \times 12 \times 6$ ins, 12 ins, in the ground for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins, N. & S. of stone $5\frac{1}{2}$ ft, dist, & raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft, base along side.
- 62.00 Have bad lands, brs. E. & W, over rolling surface
- 80.00 Set a sandstone $15 \times 10 \times 10$ ins, 10 ins, in the ground for cor, 16 sec, 17, 18, 19 & 20, marked with 3 notches on S. & 5 notches on E.

T. 20 N. R. 21, E.

chains

edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side.

Grazing good 48 cals.
 Surface rolling! Soil 3' cat

E. on random line
 bet. sec. 17 & 20,
 var. $14^{\circ} 5' E$,

Over rolling surface

4000
 7990
 bet temporary $\frac{1}{4}$ sec. cor,
 Intersect - N. & S. line
 18 lks. N. of cor. to sec.
 16, 17, 20, & 21.

Thence I run
 $N. 89^{\circ} 53' W.$ on 1 row

T. 20 N. R. 21. E.

chains

line bet. Secs. 17 & 20
with same var.

39,95 Rel-a sandstone 15 x
15 x 6 ins, 10 ins, in the
ground for $\frac{1}{4}$ sec. cor,
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins
E. & W. of stone, $5\frac{1}{2}$ ft.
dist. & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side

79,90 cor. to Secs 17, 18, 19, & 20,
Surveyed by S. J. 3' at
Wazing Good
Frank Fullman
Nov. 9, 1882,

T. 20 N. R. 21, E.

chains

N. on random line

bet. sees, 18 & 19

Var. $14^{\circ} 5' E$,

Over rolling surface,

40.00 set temporary $\frac{1}{4}$ sec. cor.

83.98 Intersect - N. by of Ch.

15 lks. N. of cor. to sees,
13, 18, 19 & 24, previously
established by me,

Thence I run

N. $89^{\circ} 54' E$ on true
line bet. sees, 18 & 19.

with same var.

43.98 Set a sandstone $13 \times$

10×5 ins, 9 ins. in

the ground for $\frac{1}{4}$ sec.

cor. marked $\frac{1}{4}$ on N.

face, dug pits 18×18

$\times 12$ ins, E. & W. of stone

T. 20 N., R. 21, E.,

chains

5½ ft. dist. & raised
a mound of earth 1½
ft. high, 3½ ft. base
along side.

83,98 cor. to sees. 17, 18, 19, & 20,

Surface rolling

John ^{Springer} ^{fair} Soil 3' rate
Compassman

Nov. 9, 1882,

N. bet. sees. 17 & 18,

Var. 14° 5' E,

One rolling surface

4000 Put a sandstone 18x8
x6 ins., 12 ins., in the
ground for ¼ sec. cor.
marked ¼ on N. face,
dug pits 18x18x12
ins., N. & S. of stone

T. 20 N. R. 21, E.

chains

5½ ft. dist., & raised
a mound of earth
1½ ft. high, 3½ ft.
base along side

80,00

Set a sandstone 20
x 16 x 14 ins, 15 ins, in
the ground for cor. to
secs. 7, 8, 17, & 18, marked
with 4 notches on S,
& 5 notches on E edges,
dug pits 18 x 18 x 12 ins,
in each sec. 5½ ft.
dist., & raised a
mound of earth 2 ft.
high, 4½ ft. base along
side

Grazing Food
Surface rolling Soil & rats

T. 20 N. R. 21 E.

chains

C. on random line
bet. sees. 8 & 17,

var. $14^{\circ} 5' E$,

over rolling surface

40,00

80,10

Set temporary $\frac{1}{4}$ sec. cor.

Intersect - N. & S. line

16 lks. S. of cor. to sees.
8, 9, 16, & 17.

Thence I run

S. $89^{\circ} 53' W$. on 1000
line bet. sees. 8 & 17,

with same var.

40,05

Set a sandstone $18 \times$
 14×10 ins, 12 ins, in

the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N.

face, dug pits 18×18
 $\times 12$ ins, E. & W. of 1000

$5\frac{1}{2}$ ft. dist. & raised

T. 20 N. R. 21. E.

chain

a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 alongside,

Sq. 10 cor. 10 sec. 7, 8, 17, & 18,

Surface rolling
 grazing good

Soil 3rd grade

Frank Fullman

Couhassman

Nov. 9, 1882, -

N. on random line

bet. sec 7 & 18,

Var. $14^{\circ} 5' E$

Over rolling surface

40.00 Ret temporary $\frac{1}{4}$ sec. cor.

83.90 Intersect - N. by of Th.

16 lks. N. of cor. 10 sec.

7, 12, 13 & 18, previously

established by me,

T. 20 N. R. 21. E.

chains

Thence I run

N. $89^{\circ}53'$ E, on true
line bet. sees, 7, 7, 18,

43, 90

Set a sandstone 18×18
 $\times 6$ ins, 12 ins, in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins.
E. & W. of stone $3\frac{1}{2}$ ft.
dist. & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side

83, 90

cor. to sees, 7, 8, 17, 7, 18,

Surface rolling
grazing good

John Lee Soil 3^d grade
Compassman

Nov. 9, 1882.

T. 20 N. R. 21, E.

chains

N. bet. sees, 7 & 8.

Var. $14^{\circ} 5' E$.

Over rolling surface

4000 Put a sandstone $18 \times 14 \times 10$ ins, 12 ins, in the ground for $\frac{1}{4}$ sec, cor, marked $\frac{1}{4}$ on N, face, dug pits $18 \times 18 \times 12$ ins, N & S, of stone $5\frac{1}{2}$ ft, dist, & raised a mound of earth $1\frac{1}{2}$ ft, high, $3\frac{1}{2}$ ft, base alongside.

8000 Put a sandstone $18 \times 14 \times 12$ ins, 12 ins, in the ground for cor, 10 sees, 5, 6, 7, & 8, marked with 5 notches on S, & E, edges

T. 20 N. R. 21. E.

chains

dug pits 18x18x12 ins.
in each sec. 5½ ft.
dist., & raised a
mound of earth 2
ft. high, 4½ ft. base
along side.

Surface rolling
springs fair. Soil 3' grade

E. on random line
bet. secs. 5 & 8,
var. 14° 5' E,

Over rolling surface

4000
80,10
Ret temporary ¼ sec. cor.
Intersect N. & S. line
13 lks. S. of cor. to secs
4, 5, 8, & 9.

Thence I run
S. 89° 54' W. on 1 mi
line bet. secs. 5 & 8,

T. 20 N. R. 21. E.

chains

with same var.
 4005 - Put a sandstone 16,
 x 14 x 10 ins, 11 ins. in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on N,
 face, dug pits 18 x 18 x
 14 ins E & W. of stone,
 5 $\frac{1}{2}$ ft, dist. & raised
 a mound of earth
 1 $\frac{1}{2}$ ft, high, 3 $\frac{1}{2}$ ft, base
 along side.

80,100 cor. to sec. 5, 6, 7, & 8.
^{Surface sitting}
 Grazing good
 Soil 3rd grade
 Frank Hollman
 Nov. 9, 1882,

W. on a random
 line bet. sec. 6 & 7,

T. 20 N. R. 21. E,

chains

Var. $14^{\circ} 5' E$,

Over rolling surface,

4000

Set temporary $\frac{1}{4}$ sec. cor.

83,81

Intersect - W. by of Th.
13 lks. N. of cor. To res.6, 7, 4, 12, previously
established by me,

Thence I run

N. $89^{\circ} 54' E$, on iron
line bet. res. 6, 7, 4,

with same var.

43,81

Set a sandstone 20
 $\times 20 \times 6$ ins., 15 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N.
face, dug pits 18×18
 $\times 12$ ins., E & W. of
stone, $5\frac{1}{2}$ ft. dist. &
raised a mound

T. 20 N. R. 21. E.

chain

8381 of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side
 cor. to sec. 5, 6, 7, & 8.
 Grazing Good
 Soil 3rd grade
Super rolling

N. bet. sec. 5, & 6,
 Var. $14^{\circ} 5' E$,

4000 Over rolling surface
 Set a sandstone 16×12
 $\times 8$ ins, 11 ins. in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins.
 N. & S. of stone, $5\frac{1}{2}$
 ft. dist, & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft,
 base along side

T. 20 N. R. 21 E.

Chains,

So 45 returned - 5th Standard
N. at a point - 116 chs
N. of Standard Cor.
to Secs. 31 & 32, pre-
viously established
by me.

When I set a sand-
stone 10 x 10 x 8 ins. 6
ins. in the ground
for closing cor. to
Secs. 5, & 6, marked
C, P, with 1 notch on
N., & 5 notches on E.
edges, dug pits 18 x 18
x 12 ins. S. E. & W. of
stone, 3½ ft. dia., &
raised a mound
of earth 2 ft. high,
4½ ft. base along side

T. 20, N. R. 21, E.

chains

Surface rolling
Soil 3' cat. exposing fair

John Lee Combsman
Nov. 9, 1882,

I carefully examine
the adjustments of
my instrument - today
particularly the lati-
tude & reversing ap-
paratus, & find them
correct,

T. 20 N. R. 21 E.

chains

General description.

In the northerly & westerly portions of this township the surface is high rolling land sloping to the S. E., down to the level valley land which composes the S. Easterly portion of the T. The grazing is good & soil 3rd grade. Le Roux wash crosses diagonally across S. Easterly part of township, passing through Secs. 24, 25, 26, & 35. - Martin Jahns house is upon the S. E. quarter of Sec. 26. -

T. 20 N. R. 21. E.

chains

For Final Oaths
see last book (No. 17.)
of survey. -

U. S. Surveyor General's Office,

TUCSON ARIZONA,

April 19 1883

The foregoing Field Notes of the Survey of the

Medicine River Township
20 North, Range 21 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by Frank PollmanDeputy Surveyor under his contract of the 29th
day of July, 1852, having beencritically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved.

J. M. Robinson
Surveyor General.