

1.

No. 460.

BOOK 460

4-671

460

FIELD NOTES
GENERAL LAND OFFICE.

Subdivision

Township 23. N. R. 7. E.

BOOK 460

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BOOK 464

Township *23 N.* ^(4-674.) R. *7 E.*

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No. 460.

BOOK 460

2

Fried's notes
of the survey of the
Subdivision Lines
of
Township No. 23 North, Range No. 7 East,
of the
Gila and Salt River Basins and Meridian
in the
Territory of Arizona
as surveyed by
Francis W. Scurry,
U. S. Deputy Surveyor
Charles E. Perkins,
compassman and U. S. Deputy Surveyor
under contract No. 31.
Dated June 21, 1893.

Survey commenced August 25, 1894.
Survey completed September 6, 1894.

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Subdivisions

chs. Survey commenced August 25, 1894, with a W. and L. E. Gurley solar transit. Note - Before commencing the subdivision of this township I made a thorough preliminary examination, and find that the central and southern portions are so rough and broken with high mountain peaks and deep rocky canons, that they are absolutely unsurveyable.

The S. and E. boundaries are irregular.

The N. boundary was run from the west

T. 23 N. R. 7 East (contd)

chs. to the E. as a true line; therefore, in accordance with my special instructions I commence at the N. W. cor. of the Township, and subdivide from the N. to the S., and from the W. to the E. in order to throw the excess or deficiency against the irregular South and East boundaries.

At the cor. to secs. 5, 6, 31 and 32 on the North boundary I verify the adjustments of my transit, and find them correct. I set off $10^{\circ} 14'$ N. on the decl. arc, and

Subdivisions

Obs. at 12^h 02' p.m. l.m.t. observe the Sun on the meridian, the resulting latitude is $35^{\circ} 23' N$, the true latitude nearly.
 At 2^h p.m. l.m.t. I set off $35^{\circ} 23'$ on the cap. arc, $10^{\circ} 12' N$ on the decl. arc, and determine a true meridian with the solar, the resulting mean va. of the needle is $15^{\circ} 06'$ East.

I observe Polaris at its eastern elongation at 9^h 04^m p.m. l.m.t. and find its magnetic bearing to be $13^{\circ} 38' W$.

North end of needle $13^{\circ} 38'$ East
 Azimuth of the Star is $1^{\circ} 32'$ East

T. 23 N. R. 7 East. (contd)

chs The sum is the variation $15^{\circ}10'$ East
corrected by Table in Manual = $15^{\circ}06'$ East

The positions for true
meridians by the solar and
Polaris observations are
practically the same,
therefore, I conclude that
the adjustments of my
instrument are satisfactory

August 26, 1844.

From the cor to sees. 5, 6, 31
and 32, in the N. boundary
which is a stone firmly
set and properly marked
and witnessed as described
in the field notes furnished
by the Surveyor General
I run

Subdivisions

- chs. S. 0° 3' E. bet secs. 5 and 6.
 Var. 15° 06' East.
 One calling, heavily timbered
 land, gradually ascending.
- 40.00 Get a malpais stone 19"
 18 x 18 ins. 15 ins. in the
 ground for 1/4 sec. cor.
 marked 1/4 on W. face, and
 raised a mound of stone
 2 ft high, 3 ft base, along-
 side, from which
 a pine 20 ins. diam. hrs.
 N. 45° 08' E. 19 lbs. dist.
 marked 1/4 S.T.
- a pine 10 ins. diam. hrs.
 S. 53° 23' E. 3 lbs. dist.
 marked 1/4 S.T.
- 80.00 A point about 200 ft above
 east. sec. cor.

chs. T. 23 N. R. 7 East (contd)

Set a malpais stone 20 x 20 x
13 ins. 15 ins. in the ground
for cor. to secs. 5, 6, 7 and 8.
marked with 5 notches on
S and E edges, ~~and raised~~
~~a mound of stone 2 ft high~~
~~3 ft base, always 44, from~~
which

a pine 20 ins. diam. hrs.

N. $29^{\circ} 43' E$. 101 lbs. dist. marked

T. 23 N. R. 7 E. S. 5. S.T.

a pine 12 ins. diam. hrs. S.

$31^{\circ} 26' N$. 157 lbs. dist.

marked T. 23 N. R. 7 E. S. 7 S.T.

a pine 10 ins. diam. hrs.

N. $83^{\circ} 33' W$. 76 lbs. dist.

marked T. 23 N. R. 7 E. S. 6 S.T.

a pine 23 ins. diam. hrs.

N. $9^{\circ} 37' W$. 111 lbs. dist.

Subdivisions

chs. marked T. 23 N.R. 7 E. S. 6 S.T.
 Land, rolling.
 Soil, strong 2^o and 3^o rate.
 Timber, pine and aspen.
 Heavily timbered land, rocks.

West on a random line

bet. secs. 6 and 7.

Var. $15^{\circ} 06'$ East.

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

78.31 Intersect N. boundary of
 Sp. 14 chs. S of cor to sec.
 1, 6, 7 and 12.

Thence I run

S $89^{\circ} 54'$ E. on a true line
 bet. secs. 6 and 7.

Var. $15^{\circ} 06'$ East.

over mountains, heavily
 timbered land.

T. 23 N.R. 7 E. (cont'd)

- obs. ascent 60 ft. over N. slope
of mountain ridge.
- 2.11 Top of ascent on ridge,
bes. N. 70° W. and S. 70° E.
Descent 300 ft.
- 38.31 Set a malpais stone $19 \times 18 \times$
 16 ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, and
raised a mound of stone
2 ft high, 3 ft base, along-
side. from which
a pine 6 ins. diam. bes.
N. $57^{\circ} 17'$ E. 63 lbs. dist.
marked $\frac{1}{4}$ S.B.T.
- a pine 30 ins. diam. bes.
N. $7^{\circ} 12'$ W. 11 lbs dist.
marked $\frac{1}{4}$ S.B.T.
- 43.00 Foot of descent, and ascent

Subdivisions

- chs. 50 ft. to
- 46.00 Top of ridge bet. N. and S.
Descend 100 ft. to
- 51.00 Foot of descent in bed of
cañon, course N.
Ascend 100 ft. to
- 57.00 Top of ascent, thence
over broken land to
- 78.31 The car to secs. 5, 6, 7 and 8.
Land mountainous.
Soil, stony. 3rd rate.
Timber, pine and fir,
and aspen.
Mountainous or heavily
timbered land, 78.31 chs.

§. 003' E. bet. secs. 7 and 8.
Var. 15° 06' East
even rolling heavily tim.

T. 23 N.R. 7 E. (contd)

- chs. here's land
 Accents gradually.
- 16.90 Ravine 20 ft. deep, course
 N. 30° W.
- 40.00 Set a sand stone 20 x 12 x
 10 ins. 15 ins. in the
 ground for 1/4 sec. cor.
 marked 1/4 on W. face,
 and raised a mound of
 stone 2 ft. high, 3 ft.
 base, alongside, from
 which
 a pine 8 ins. diam. hrs.
 S 81° 48' W. 63 lbs. dist.
 marked 1/4 S.S.T.
- a pine 12 ins. diam. hrs.
 S 84° 21' E. 94 lbs. dist.
 marked 1/4 S.S.T.
- 60.00 Enter ravine, course N. 10° W.

Subdivisions

- cho. thence along bed of ravine
- 65.40 Leave bed of ravine, course
N. coming from S. W.
- 80.00 a point about 250 ft.
above last sec. cor.
Set a sandstone $2 \frac{1}{2} \times 1 \frac{1}{2} \times$
13 in. 15 in. in the
ground for cor. to sec.
7, 8, 17 and 18, marked
with 4 notches on S. and
5 notches on E. edges, and
raised a mound of stone
2 ft. high, 3 ft. base,
alongside, from which
a pine 12 in. diam. has
N. $45^{\circ} 30'$ E. 19 lbs. dist.
marked T. 23 N. R. 7 E. S. & B. T.
a spruce 24 in. diam.
has S. $43^{\circ} 40'$ E. 11 lbs. dist.

T. 23 N.R. 7 E. (contd)

chs
 marked T. 23 N.R. 7 E. S. 17 B.T.
 an aspen 14 ins. diam. hrs.
 S. $72^{\circ} 37'$ W. 46 lks. dist.
 marked T. 23 N.R. 7 E. S. 18 B.T.
 a spruce 12 ins. diam.
 hrs. N. $39^{\circ} 32'$ W. 28 lks.
 dist. marked T. 23 N.R. 7 E. S. 17 B.T.
 Land, rolling.
 Soil, stony, 3rd rate.
 Timber, pine, spruce and
 aspen.
 Heavily timbered land 80 chs.

N. $89^{\circ} 54'$ W. on a random line
 bet. sec. 7 and 18.
 Var. $15^{\circ} 06'$ East.

40.00 Get temporary $\frac{1}{4}$ sec. con.
 78.24 Interest w. boundary of
 Tp. 27 lks. N. of con. to sec.

Subdivisions

chs 7, 12, 13 and 18.

Thence I run

N. $89^{\circ} 54'$ E. on a true line
bet. sec. 7 and 18.

Var. $15^{\circ} 06'$ East.

over rolling heavily timbered
land.

5.00 Descent 150 ft.

16.00 Foot of descent in bed
of ravine, course S. $35^{\circ} W$.
Ascent 80 ft.

38.24 a malpais rock in
place $4 \times 4 \times 4$ ft above
ground I marked with
a cross (+) at exact cor-
ner point for $\frac{1}{4}$ sec. cor.,
with $\frac{1}{4}$ on N. of cross,
and raised a mound
of stone 2 ft. high 3 ft.

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T. 23 N.R. 7 E. (contd)

- chs. base, alongside, from which
a pine 30 ins. diam. tree.
N. $31^{\circ} 23'$ E. 9 lbs. dist.
marked $\frac{1}{4}$ E.S.T.
a pine 29 ins. diam. tree.
N. $88^{\circ} W.$ 80 lbs. dist.
marked $\frac{1}{4}$ E.S.T.
- 59.00 Top of ascent on ridge,
tree N. and S.
Descent 100 ft.
- 64.00 Foot of descent, thence
over broken N. base of
San Francisco Peak.
- 78.24 The car to see 7, 8, 17 and 18.
Land, broken and rolling.
Soil, stony, 2' and 3' rate.
Timber, pine, fir and aspen.
Heavily timbered land 78.24 chs.

Subdivisions

cho. S. 0° 3' E. bet. secs. 17 and 18

Var. 15° 06' East

over mountains heavily
timbered land, with dense
undergrowth of aspen.

Secent N. W. slope of San
Francisco Peak.

40.00 a point about 500 ft.
above last sec. cor.

Set a pine post 4 ft long
4 in square with marked
stone 12 in. in the ground
for 1/4 sec. cor. marker 1/4

9. on N. face, dug pits
18 x 18 x 12 in. N. and S. of
post, 5 1/2 ft. dit. and
raised a mound of earth
3 ft high, 5 ft base,
alongside. from which

T. 23 N. R. 7 E. (contd)

- chs. a fir 10 ins. diam. hrs.
 S. $61^{\circ} 10'$ W. 35 lbs. dist.
 marked 14 E.B.T.
- an aspen 10 ins. diam. hrs.
 N. $45^{\circ} 40'$ W. 26 lbs. dist.
 marked 14 E.B.T.
- 80.00 a point about 1000 ft.
 above last sec. cor.
 Set a malpais stone 18x
 18x6 ins. 12 ins. in the
 ground for cor to sec.
 17, 18, 19 and 20, marked with
 3 notches on S. and 5 notches on E.
 edges, and raised a
 mound of stone 2 ft high
 3 ft base, alongside, from
 which
 a fir 8 ins. diam. hrs. N. 17°
 03' E. 8 lbs. dist. marked

Subdivisions

chs. T. 23 N. R. 7 E. S. 17 S.T.
 A fir 10 ins. diam. hrs. S.
 10 16' E. 9 lbs. dist. marked
 T. 23 N. R. 7 E. S. 20 S.T.
 a fir 8 ins. diam. hrs. S.
 60 31' W. 13 lbs. dist.
 marked T. 23 N. R. 7 E. S. 19 S.T.
 an aspen 10 ins. diam. hrs.
 N. 46° 17' W. 37 lbs. dist.
 marked T. 23 N. R. 7 E. S. 18 S.T.
 Land, mountainous.

Soil, stony, 20 and 35 rate.
 Timber, pine, fir, spruce
 and aspen

August 27, 1894

S 89° 54' W. on a random line
 bet. sec. 18 and 19.

Var. 15° 06' East.

T. 23 N. R. 7 E. (contd.)

- chs.
40.00 Set temporary ~~44~~ sec. cor.
- 78.37 Intersect N. boundary of
Sp. 15 lks. N. of cor to sec.
13, 18, 19 and 24.
Thence I run
N. $89^{\circ}45'$ E. on a true line
bet sec. 18 and 19.
Var. $150^{\circ}06'$ East.
Over mountains, heavily
timbered land, through
dense undergrowth.
ascending N.W. slope of
San Francisco Peak
- 38.37 a point about 600 ft.
above last sec. cor.
a granite rock in place
 $6 \times 4 \times 4$ ft. above ground
I marked with a cross
(+) at exact cor. point far.

Subdivisions

chs. $\frac{1}{4}$ sec. cor. with $\frac{1}{4}$ on N.
of cross, and ~~erect a~~
~~marker of stone 2 ft high,~~
~~3 ft base, along side,~~
from which
a pin 10 ins. diam. hrs. N.
 $47^{\circ} 11' 20''$, 34 lks. dist.
marked $\frac{1}{4}$ S.B.T.
a pin 6 ins. diam. hrs.
S. $39^{\circ} 41' E$. 27 lks. dist.
marked $\frac{1}{4}$ S.B.T.

78.37 The cor. to secs. 17, 18, 19 and
20. about 800 ft. above
east sec. cor.

Land. mountainous.

Soil, stony, 20 and 30 rate.

Timber, pine, fir, aspen
with aspen undergrowth.
mountainous or heavily

T. 23 N.R. 7 E. (cont'd)

chs. timbered land, 7 8. 37 chs.

S. 0° 3' E. bet. sees. 19. and 20.

Var. 15° 06' East

over mountains heavily
timbered land, through
dense undergrowth.

Ascending N. W. slope of
San Francisco Peak

20.00 Leave timber, enter an
open space covered with
fallen timber.

28.00 Leave opening, enter
timber, along E. side of
mountain ridge, bet.
N. 10° W. and S. 10° E.

40.00 a point about 700 ft
above last sec. cor.

Get a malpais stone 16x

Sub-divisions

- chs. 16 x 15 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft high, 3 ft base, alongside from which a balsam 18 ins. diam. br. N. $61^{\circ} 12'$ W. 31 lbs. dist. marked $\frac{1}{4}$ S.B.T.
- a balsam 12 ins. diam. br. S $47^{\circ} 19'$ E. 16 lbs. dist. marked $\frac{1}{4}$ S.B.T.
- 47.00 Ravine 100 ft. deep, course N. 32° E.
- 80.00 a point about 1500 ft. above last sec. cor. on mountain ridge, br. S. 40° E. and N. 10° W.
- Set a malpais stone

T. 23 N.R. 7 E. (contd)

chs. 20 x 20 x 20 ins. 15 ins. in
 the ground for cor to recs
 19, 20, 29 and 30, marked with
 2 notches on S. and 5
 notches on E. edges, and
 raised a mound of stone
 2 ft high, 3 ft base, along-
 side, from which
 a balsam 17 ins. diam.
 hrs. N. 21° 43' E. 27 lbs. dist.
 marked T. 23 N.R. 7 E. S. 20 B.T.
 a balsam 18 ins. diam. hrs.
 S. 22° 31' E. 33 lbs. dist. marked
 T. 23 N.R. 7 E. S. 29 B.T.
 a balsam 19 ins. diam. hrs. S.
 43° 10' W. 39 lbs. dist. marked
 T. 23 N.R. 7 E. S. 30 B.T.
 a balsam 11 ins. diam. hrs.
 N. 39° W. 48 lbs. dist. marked

Subdivisions

chs.

T. 23 N. R. 7 E. S. 19 B.T.

Land, mountainous.

Soil, stony, 3rd rate.

Timber, fir, spruce, balsam
and aspen.mountainous or heavily
timbered land. 80 chs.S. 89° 48' W. on a random line
bet secs. 19 and 30.

Var. 15006' East

40.00

Set temporary 1/4 sec. cor.

70.54

Intersect W. boundary of sp.

44 chs. S. of cor. to secs.

19, 24, 25 and 30.

Thence I run

S. 89° 53' E. on a true line

bet secs. 19 and 30.

Var. 15006' East.

T. 23 N. R. 7 E. (contd)

chs. Over mountains heavily
timbered east, through
dense undergrowth.
ascending W. slope of San
Francisco Peak.

38.54 Set a sand stone $20 \times 18 \times 16$
ins. 15 ins. in the ground
for 1/4 sec. cor. marked 1/4
on N. face, and raised a
mound of stone 2 ft high,
3 ft. base, alongside from
which
a fir 20 ins. diam. hrs.
N. $23^{\circ} 16'$ W. 42 lbs. dist
marked 1/4 S.B.T.
a fir 10 ins. diam. hrs. S.
 $21^{\circ} 12'$ W. 71 lbs. dist marked
1/4 S.B.T.

68.00 Descend 100 ft to

Subdivisions

chs

73.00

Foot of descent in bed of
cañon, course N. 33° W.

ascend 300 ft to

78.54

a point 2000 ft. above last
sec. cor.

The cor. to secs. 19, 20, 29 and 30

Note - From this point, the
apex of San Francisco peak
br. S. 67° E. about 1/4 mile dist.

Land, mountainous.

Soil, rocky, 3rd rate.

Timber, pine, fir, spruce,
balsam, with under-
growth of aspen.

mountainous land, 78.54 chs

S. 0° 3' E. bet. secs. 29 and 30.

Var. 15° 06' East

It is impossible to extend

T. 23 N. R. 7 E. (contd)

chs. This line on account of
the precipitous N. sides
of San Francisco and
agassiz Peaks, therefore
I abandon it at this
point.

August 28, 1894.

From the cor to sec. 4, 5,
32 and 33, on the N. bound-
ary of Township, which
is a post, firmly ^{set} and
properly marked and
witnessed as described
in the field notes fur-
nished by the Surveyor
General

I run

S. 0° 03' E. bet. sec. 4 and 5.

Subdivisions

40.

Var. $15^{\circ} 06'$ East.over rolling land, heavily
timbered.ascend gradually towards
San Francisco Peak.40.00 a point about 200 ft.
above last sec. cor.Set a malpais stone $19 \times 18 \times$
 17 ins. 15 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked 94
on N. face, and raised a
mound of stone 2 ft high,
3 ft base, alongside, from
whicha pine 18 ins. diam. has
 $N 2^{\circ} 17' E$. 25 lbs. dist. marked
 $\frac{1}{4}$ E.S.T.a pine 16 ins. diam. has
 $S 1^{\circ} 28' E$. 24 lbs. dist.

T. 23 N.R. 7 E. (contd)

chs. marker 14 S.B.T.

80.00 a point about 400 ft above
last sec. cor.

Set a malpais stone $19 \times 19 \times$
 18 ins. 15 ins. in the ground
for cor. to sec. 4, 5, 8 and 9
marker with 5 notches on
S and 4 notches on E
edges and raised a
mound of stone 2 ft high
3 ft base, alongside.

from which

a pine 21 ins. diam. hrs.
N. $88^{\circ} 21'$ E. 23 lks. dist.

marker T. 23 N.R. 7 E. S. 4 B.T.

a pine 21 ins. diam. hrs.
S 81° E. 4 lks. dist.

marker T. 23 N.R. 7 E. S. 9 B.T.

a pine 16 ins. diam. hrs.

Subdivisions

chs. N. $43^{\circ} 21'$ W. 21 chs. dist
 marked T. 23 N.R. 7 E. S. 5 B.T.
 a pine 27 ins. diam. hrs.
 S. $40^{\circ} 20'$ W. 14 chs. dist.
 marked T. 23 N.R. 7 E. S. 8 B.T.
 Land, rolling.
 Soil, stony, 3 rd rate.
 Timber, pine.
 Heavily timbered land to chs.

West on a random line
 bet. secs. 5 and 8.

Var. $15^{\circ} 06'$ East.

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

79.20 Intersect N. and E. line 10
 chs. N. of cor. to secs. 5, 6, 7
 and 8.

Thence I run

N. $89^{\circ} 56'$ E. on a true line

T. 23 N. R. 7 E. (contd)

- cho. bet. sec. 5 and 8.
 Var. 15' 06" East.
 Over rolling broken land.
- 38.00 Descent 20 ft.
- 39.60 Set a limestone 19 x 18 x 14 ins
 15 ins. in the ground for
 1/4 sec. cor. marked 1/4 on N.
 face, and raised a mound
 of stone 2 ft high, 3 ft base,
 along side, from which
 a pine 25 ins. diam. has.
 S. 36° 49' N. 7 lbs. dist. marked
 1/4 E.S.T.
- a pine 6 ins. diam. has. S.
 27° E. 29 lbs. dist. marked
 1/4 E.S.T.
- 41.00 Foot of descent, thence over
 broken land
- 79.20 The car to sec. 4, 5, 8 and 9.

Subdivisions

chs. Land rolling and broken.
Soil, stony, 3rd rate.
Timber, pine and aspen
heavily timbered land,
79x20 chs.

S 0° 3' E bet sees. 8 and 9.
Var. 15° 06' East.

over broken mountains
heavily timbered land.
Ascent N slope of San
Francisco Peak.

29.00 From this point a small
spring of fresh water
has about 7 chs. dist
4000 a point 300 ft. above last
sec. cor.

Get a malpais stone 23x
20x20 ins. 18 ins. in the

T. 23 N. R. 7 E. (cont'd)

cho
 ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 2 ft high, 3 ft. base,
 alongside, from which
 a pine 12 ins. diam. hrs.
 S. $70^{\circ} 21' N.$ 28 lks. dist.
 marked $\frac{1}{4}$ S. B.T.
 a pine 16 ins. diam. hrs. N.
 $44^{\circ} 03' E.$ 62 lks. dist.
 marked $\frac{1}{4}$ S. B.T.

70.78 Ravine 40 ft. deep, course N.
 $20^{\circ} W.$

80.00 A point 600 ft. above last sec. cor.
 Set a malpais stone $19 \times 14 \times$
 14 ins. 15 ins. in the ground
 for cor. to secs. 8, 9, 16 and 17,
 marked with 4 notches on
 S. and E. edges, and
 raised a mound of stone

Subdivisions

chs. 2 ft high, 3 ft base, along
 side, from which
 a fir 16 ins. diam. hrs.
 N. $40^{\circ} 52'$ E. 29 lbs dist.
 marked T. 23 N.R. 7 E. S. 9 B.T.
 an aspen 6 ins. diam. hrs.
 S. $20^{\circ} 26'$ E. 23 lbs. dist.
 marked T. 23 N.R. 7 E. S. 16 B.T.
 an aspen 6 ins. diam. hrs.
 S. $81^{\circ} 48'$ W. 21 lbs. dist.
 marked T. 23 N.R. 7 E. S. 17 B.T.
 a fir 40 ins. diam. hrs. N.
 $78^{\circ} 13'$ E. 24 lbs. dist. marked
 T. 23 N.R. 7 E. S. 9 B.T.
 Land, mountainous.
 Soil, stony, 3 rd rate.
 Timber, pine, fir and aspen.
 Mountainous or heavily tim-
 bered land 80 chs.

T. 23 N. R. 7 E. Contd

chs. S. $89^{\circ}56'$ W. on a random line
bet secs. 8 and 17.

Var. $15^{\circ}06'$ East

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

79.00 Intersect N. and S. line 23

chs. S. of cor. to secs. 7, 8, 17
and 18.

Thence I run

S. $89^{\circ}54'$ E. on a true line
bet secs. 8 and 17.

Var. $15^{\circ}06'$ East.

over mountains, heavily
timbered land, through
dense undergrowth.

Along broken N. slope of
San Francisco Peak.

17.00 Run 40 ft. deep, course N.

39.50 Set a pine post, 4 ft long,
4 in. square, with marks

Subdivisions

- chs. stone 12 ins in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S.
on N. face, dug pits 18x18.
12 ins E and W of post,
5 $\frac{1}{2}$ ft. dist, and raised
a mound of earth 2 $\frac{1}{2}$
ft high, 5 ft. base, along
side, from which,
a fir 40 ins. diam. hrs.
N. 60° 09' W. 71 lbs. dist.
marked $\frac{1}{4}$ S.B.T.
- a pine 6 ins. diam hrs. S.
47° 18' E. 27 lbs. dist. marked
 $\frac{1}{4}$ S.B.T.
- 48.00 Ravine 50 ft. deep, course
N.
- 79.00 The cor. to secs. 8, 9, 16 and
17.
Land. mountains.

T-23 N.R. 7 E. (contd)

chs. Soil, stony, 20 and 30 ac. etc.
 Timber, pine, fir and aspen
 with undergrowth of aspen.
 mountainous or heavily
 timbered land, 79.00 chs.

S. 0° 03' E. bet sees. 16 and 17.
 Var. 15° 06' East.

over mountainous, heavily
 timbered land.

Ascending N. slope of San
 Francisco Peak

40.00 Get a malpais stone 21 x
 12 x 19 ins. 16 ins. in the
 ground for 1/4 sec. cor
 marked 1/4 on N. face, and
 raised a mound of stone
 2 ft high, 3 ft base,
 alongside, from which

Subdivisions

- lbs a fir 6 ins diam. hrs
 S. 70° 10' E. 17 lbs. dist.
 marked $\frac{1}{4}$ S.B.T.
- a fir 8 ins. diam. hrs. N
 289 11' E. 30 lbs. dist.
 marked $\frac{1}{4}$ S.B.T.
- 80.00 a point 1000 ft. above
 last sec. cor.
 A malpais rock in
 place, 4x3x3 ft. above
 ground I marked with
 a cross⁽⁺⁾ at exact cor.
 point for cor to secs.
 16, 17, 20 and 21, with 3
 notches on S. and 4
 notches on E. of cross
 and raised a mound of
 stone 2 ft high, 3 ft. base,
 along side, from which

T. 23 N.R. 7 E. (cont'd)

chs. a fir 6 ins diam. hrs. N. 45°
06' E. 9 lbs. dist. marked

T. 23 N.R. 7 E. S. 16 B.T.

a fir 6 ins. diam. hrs. N. 33°
15' E. 19 lbs. dist. marked

T. 23 N.R. 7 E. S. 16 B.T.

a fir 8 ins. diam. hrs. N. 33°
03' W. 17 lbs. dist. marked

T. 23 N.R. 7 E. S. 17 B.T.

a fir 6 ins. diam. hrs. N.
45° 10' W. 13 lbs. dist. marked

T. 23 N.R. 7 E. S. 17 B.T.

Land, mountainous.

Soil, stony, 2^d and 3^d rate.

Timber, pine, fir, spruce
and aspen, with under-
growth of aspen.

Mountainous or heavily tim-
bered land, 80 chs.

Subdivisions

40.00
 79.23
 14.00
 23.00

N. $89^{\circ}54'$ W. on a random line
 bet. secs. 17 and 20.
 Var. $15^{\circ}06'$ East.

Set temporary $\frac{1}{2}$ sec. cor.
 Intersect N. and S. line 29
 lbs. N. of cor to secs. 17, 18,
 19 and 20.

Thence I run

N. $89^{\circ}54'$ E. on a true line
 bet. secs. 17 and 20.

Var. $15^{\circ}06'$ East

Over mountains, heavily
 timbered land,

along broken N. slope of
 San Francisco Peak.

Descend 200 ft to

Foot of descent in bed of
 ravine 30 ft. deep, course
 N. and ascend 400 ft to

T 23 N, R. 7 E. (cont'd)

- 37.00 Top of ascent on mountain
 ridge, bears N. and S.
 Descent 300 ft.
- 39.61 Set a mae pair stone 19 x 14
 x 18 ins. 15 ins. in the
 ground, for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 2 ft. high, 3 ft. base, along-
 side, from which
 a fir 12 ins. diam. bears N.
 84° W. 20 lbs. dist. marked
 $\frac{1}{4}$ S.S.T.
- a fir 10 ins. diam. bears S. 71°
 22' E. 30 lbs. dist. marked
 $\frac{1}{4}$ S.S.T.
- 52.00 Foot of descent, and ascent
 abruptly 600 ft.
- 73.00 Top of ascent on mountain

Sub-divisions

cho. ridge, bet. N. and S.
 79. 23 The cor. to secs. 16, 17, 20 and
 21.
 Land, mountainous.
 Soil stony, 3rd rate.
 Timber, pine, fir, spruce,
 balsam and aspen, with
 undergrowth of aspen.
 mountainous or heavily
 timbered land, 79.61 cho.

August 29, 1894

A $0^{\circ}03'$ E. bet. secs. 20 and 21.

Var. $15^{\circ}06'$ East

I find it impossible to
 extend this line further
 south on account of im-
 passable mountain and
 deep ravines.

T. 23 N. R. 7 E. (contd)

chs. From the cor to sec. 3, 4,
33 and 34 on N. boundary,
which is a stone, firmly
set and properly marked
and witnessed as described
in the field notes furnish-
ed by the Surveyor General.
I run

$1^{\circ} 02'$ E. bet. sec. 3 and 4.

Var. $15^{\circ} 06'$ East.

over rolling heavily timbered
land.

31.00 Ascend abruptly 300 ft. to

38.00 Top of ascent. Thence over
rolling rocky mesa.

40.00 Set a sandstone $17 \times 14 \times 14$
ins. 12 ins. in the ground
for $1/4$ sec. cor. marked $1/4$ on
W. face, and raised a

Subdivisions

No. mound of stone 3 ft high
+ ft. base, alongside, from
which

a pine 12 ins. diam. hrs.

$S 81^{\circ} 13' E$. 69 lks. dist.

marked 44 S.P.T.

a pine 18 ins. diam. hrs.

$N. 2^{\circ} 43' E$. 47 lks. dist.

marked 44 S.P.T.

ascend gradually

80.00 A point 600 ft. above
last. sec. cor.

Get a malpais stone 20 x
20 x 20 ins. 15 ins. in the
ground for cor to secs.

3, 4, 9 and 10, marked with
5 notches on S and 3 notches
on E. edges, and raise a
mound of stone 2 1/2 ft.

T. 23 N.R. 7 E (contd)

chs. high, 3 1/2 ft base alongside
from which

a pine 16 ins. diam. hrs.

N. 61° 49' E. 36 lks. dist.

marked T. 23 N.R. 7 E. S. 3 B.T.

A pine 16 ins. diam. hrs. S.

22° 42' E. 78 lks. dist.

marked T. 23 N.R. 7 E. S. 10 B.T.

a pine 10 ins. diam. hrs. S. 11°

32' W. 77 lks. dist marked

T. 23 N.R. 7 E. S. 9 B.T.

a pine 10 ins. diam. hrs

N. 21° 12' W. 86 lks. dist.

marked T. 23 N.R. 7 E. S. 4 B.T.

Land, broken and rolling.

Soil, stony, 3^d and 4th rate.

Timber, pine.

Heavily timbered land

80 chs.

Subdivisions

- chs West on a random line
bet. secs 4 and 9,
40.00 Get temporary $\frac{1}{4}$ sec. cor. ^{Var. 15066 East}
- 79.32 9 intersect N. and S. line 29
chs. S. of cor. to secs. 4, 5,
8 and 9.
Thence I run
S $89^{\circ} 45'$ E. on a true line
bet. secs. 4 and 9.
Var. 15066 East
over heavily timbered rocky
N. slope of mountain.
- 39.66 Get a malpais stone 16x
15x14 ins. 11 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, and
raise a mound of stone
2 ft high, 3 ft base, along
side, from which,

T. 23 N.R. 7 E. Contd

Chs a pine 30 ins diam. hrs.
 S $67^{\circ} 21'$ E. 63 lks. dist. marked
 14 S.B.T.

a pine 8 ins diam. hrs.
 N. $47^{\circ} 52'$ W. 45 lks. dist.
 marked 14 S.B.T.

72.00 Road hrs. N. 66° W. and S 66° E

79.32 The cor. to secs. 3, 4, 9 and 10.

Land broken and rolling.

Soil, stony, 3^d rate.

Timber, pine

Heavily timbered land. 7932 chs

S. $0^{\circ} 02'$ E. bet. secs. 9 and 10.

Var. $15^{\circ} 06'$ East.

over rocky, rolling heavily
 timbered mesa.

3.26 Road hrs. N. 80° W. and S 80° E.

39.60 Ascent abruptly N. slope of

Subdivisions

- chs. conical granite peak.
 40.00 Set a sandstone $18 \times 16 \times 14$
 mic. 12 mic in the ground
 for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, and raised
 a mound of stone 2 ft.
 high, 3 ft. base, alongside
 from which,
 a pine 16 mic. diam. has
 N. $89^{\circ} 27'$ W. $31'$ also set, marked $\frac{1}{4}$ S.D.T.
 and 16 mic diam. has N. $53^{\circ} 33'$ E. 22 lbs. dia. marked $\frac{1}{4}$ S.D.T.
- 80.00 a point about 500 ft.
 above last sec. cor.
 Set a granite stone $25 \times$
 23×19 mic. 18 mic. in the
 ground for cor to secs.
 9, 10, 15 and 16, marked
 with 4 notches on S.
 and 3 notches on E. edges.

T 25 N. R. 7 E. (contd)

also
and raised a mound of
stone 2 ft. high, 3 ft. base,
alongside, from which
a pine 16 ins. diam. has. N.
 $64^{\circ} 31' E.$ 22 lks. dist. marked
T 23 N. R. 7 E. S. 10 B.T.

a spruce 21 ins. diam. has.
S $51^{\circ} 21' E.$ 22 lks. dist.

marked T. 23 N. R. 7 E. S. 15 B.T.

a spruce 18 ins. diam. has.
S $86^{\circ} 28' W.$ 22 lks. dist.

marked T. 23 N. R. 7 E. S. 16 B.T.

a spruce 12 ins. diam. has
N. $42^{\circ} 28' W.$ 28 lks. dist.

marked T. 23 N. R. 7 E. S. 9 B.T.

Land, rolling and mountainous
Soil, stony, 3rd rate.

Timber, pine, fir and aspen
mountainous, or heavily tim-

Subdivisions

chs. best land, 80 chs.

N. $89^{\circ} 48'$ W. on a random line
bet secs. 9 and 16.

Var. $15^{\circ} 06'$ East.

40.00 Set temporary $1/4$ sec. cor.

79.62 Intersect N. and S. line 3/
chs. N. of cor. to secs.

8, 9, 16, and 17.

Thence I run

N. $89^{\circ} 59'$ E. on a true line
bet. secs. 9 and 16.

Var. $15^{\circ} 06'$ East.

Over broken, heavily timber-
land.

2.00 Ravine 50 ft. deep, course N
Ascent 100 ft. to

7.00 Top of ascent, thence over
broken land to

T. 25 N. R. 7 E. (cont'd)

- | chs | |
|-------|---|
| 31.00 | Ascend 50 ft. |
| 39.81 | Top of ridge bet. N. and S.
Set a malpais stone $18 \times 18 \times 16$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft high, 3 ft. base, alongside, from which
a pine 6 ins. diam. bet. N. $47^{\circ} 30'$ E. 16 lbs dist. marked $\frac{1}{4}$ S.-B.T.
a pine 6 ins. diam. bet. N. $30^{\circ} 04'$ E. 28 lbs dist marked $\frac{1}{4}$ S.-B.T. |
| 42.00 | Ascend 50 ft. |
| 53.00 | Top of ascent and descent 150 ft |
| 59.00 | Foot of descent in bed of |

Subdivisions

cha canon, course N. 10° E.
ascend 400 ft to

79.62 The cor to secs. 9, 10, 15 and 16.
Land, rolling and mountainous.

Soil, stony. 3^d rate.

Timber, pine, fir, spruce
and aspen.

mountainous or heavily
timbered land, 79.62 chs.

S. 00° 02' E. bet secs. 15 and 16.

Var. 15° 06' East.

over mountainous heavily
timbered land.

ascend 200 ft to

8.20 apex of conical granite
peak.

Descent 550 ft

T 23 N. R. 7 E. (contd)

- 38.00 Foot of descent in bed of canon, course N. 40° E. ascending over N. slope of mountain.
- 40.00 Set a granite stone 16x16x14 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone 2 ft high, 3 ft. base, alongside, from which
- a fir 16 ins. diam. hrs. N. 10° 12' E. 14 lbs. dist. marked $\frac{1}{4}$ I.B.T.
- a fir 10 ins. diam. hrs. N. 23° 46' E. 31 lbs. dist. marked $\frac{1}{4}$ I.B.T.
- 80.00 a point 500 ft. above last ^{sec. corner} canon.

Subdivisions

chs. Set a sand stone $19 \times 18 \times$
 17 ins. 15 ins. in the
 ground for cor to sec.
 $15, 16, 21$ and 22 , marked
 with 3 notches on S.
 and E. edges, and raised
 a mound of stone 2 ft
 high, 3 ft base, along side,
 from which
 a fir 16 ins. diam. hrs
 $N. 14^{\circ} 33' E. 17$ lbs. dist.
 marked T. 23 N. R. 7 E. S. 15 D. T.
 a fir 22 ins. diam. hrs.
 $S. 23^{\circ} 19' E. 15$ lbs. dist.
 marked T. 23 N. R. 7 E. S. 22 D. T.
 a fir 13 ins. diam. hrs. S.
 $49^{\circ} 22' N. 18$ lbs. dist.
 marked T. 23 N. R. 7 E. S. 21 D. T.
 a fir 9 ins. diam. hrs. N.

T. 23 N.R. 7 E. (contd)

chs. 31° 30' W. 14 chs. dit.
 marked T. 23 N.R. 7 E. S 16 P.T.
 Lands, mountainous
 Soil, stony, 3 rd rate.
 Timber, pine, spruce, fir
 and aspen.
 Mountainous or heavily timbered
 land, 50 chs.

It is impossible to extend
 this line farther South,
 or to the West, on account
 of impassable mountain
 peaks and deep canons.

August 30, 1894.

From the cor to sec.

2, 3, 34 and 35, on the
 N. boundary of the town-

Subdivisions

chs ship which is a stone firmly set and properly marked and witnessed as described in the field notes furnished by the Surveyor General

From
S. 00 1' E. bet. sec. 2 and 3.

Var. 15° 06' East.

Ascend over broken mountainous heavily timbered land.

40.00 a granite rock in place, 4 x 2 x 2 ft. above ground I marked with a cross (H) at exact cor point for 1/4 sec. cor. with 1/4 on W. of cross, and raised a mound of stone 2 ft

T. 23 N.R. 7 E. Contd

chs. high, 3 ft base, alongside,
 from which
 a pine 16 ins. diam. hrs.
 S. 1° W. 26 lks. dist. marked
 1/4 E.B.T.

a pine 24 ins. diam. hrs.
 N. 5° 13' W. 47 lks. dist.
 marked 1/4 E.B.T.

66.00 Top of ascent. Leave heavily
 timbered land.

Thence over rolling land.

76.00 Road hrs. S. 80° E. and N. 80° W.

80.00 Set a granite stone 32 x
 20 x 8 ins. 24 ins. in the
 ground for cor to sec.

2, 3, 10 and 11, marked
 with 5 notches on S. and
 2 notches on E. edges
 and raised a mound of

Subdivisions

chs. stone 2 ft high, 3 ft base,
alongside. Pits imprac-
ticable.

Land, mountainous and
rolling.

Soil, stony. 3^d and 4th rate.

Timber, pine.

mountainous, or heavily
timbered land, 66 chs.

West on a random line
bet secs. 3 and 10.

Var. $150^{\circ} 06'$ East.

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

79.36 9 intersect N. and S. line

17 chs. N. of cor to sec.

3, 4, 9 and 10.

Thence I run

N. $89^{\circ} 53'$ E. on a true line

T. 23 N.R. 7 E. (contd)

chs. bet sec. 3 and 10.

Var. 15006' East

ever broken, mountainous
heavily timbered land.

Descent 300 ft abruptly

23.00 Foot of descent. Thence

on broken rocky mesa land.

39.63 Set a granite stone $19 \times 18 \times$

16 ins. 15 ins. in the

ground for $\frac{1}{4}$ sec. cor.marked $\frac{1}{4}$ on N. face, and

raised a mound of stone

2 ft high, 3 ft base, along-

side, from which

a pine 16 ins. diam. has

N. $1^{\circ} 33'$ W. 16 lks. distmarked $\frac{1}{4}$ S.O.T.

a pine 11 ins. diam. has

S $68^{\circ} 32'$ W. 41 lks. dist.

Subdivisions

- chs. marked $\frac{1}{4}$ S.B.T.
- 47.60 Road hrs. N. 80° E. and S 80° W.
- 76.00 Descent abruptly 100 ft.
- 77.00 Leave heavily timbered land.
- 79.36 The cor. to secs. 2, 3, 10 and 11.
Land, mountainous and rolling
Soil stony, 3^d and 4th rate.
Timber, pine, fir and aspen
Mountainous or heavily
timbered land, 79.36 chs.
-
- S. 0° 1' E. bet. secs. 10 and 11.
Var. 15° 06' East.
over mountainous land.
Descent 100 ft. to
3.00 Foot of descent in bet of
cañon, course N. 46° E.
Ascend over broken N.E.
base of mountain peaks
600 ft.

T 23 N. R. 7 E. (cont'd)

chs

6.00 Enter heavily timbered land.

40.00 Set a granite stone $19 \times 18 \times$
18 ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face,
and raised a mound of
stone ^{$\frac{1}{2}$ ft high 3 ft base} alongside from
whicha pine 20 ins. diam. hrs.
N. $10^{\circ} 16'$ W. 43 lbs. dist.
marked $\frac{1}{4}$ S.E.T.a pine 40 ins. diam. hrs.
S. $11^{\circ} 04'$ E. 41 lbs. dist.
marked $\frac{1}{4}$ S.E.T.80.00 Top of ascent on N.E. slope
of mountain peak about
600 ft. above last sec. cor.
Set a sandstone $16 \times 16 \times$
12 ins. 11 ins. in the

Subdivisions T 23 N. R. 7 E (ctd)

- chs. ground for cor. to sec.
 10, 11, 14 and 15, marked with
 4 notches on S. and 2 notches
 on E. edges and raised
 a mound of stone 2
 ft high, 3 ft. base,
 alongside, from which
 a fir 21 ins. diam. hrs.
 N. $10^{\circ} 29'$ E. 18 lbs. dist.
 marked T. 23 N. R. 7 E. S. 11 B.T.
 a fir 13 ins. diam. hrs.
 S. $43^{\circ} 12'$ E. 39 lbs. dist.
 marked T. 23 N. R. 7 E. S. 14 B.T.
 a fir 21 ins. diam. hrs.
 S. $23^{\circ} 10'$ W. 54 lbs. dist.
 marked T. 23 N. R. 7 E. S. 15 B.T.
 a pine 8 ins. diam. hrs.
 N. $11^{\circ} 18'$ W. 14 lbs. dist.
 marked T. 23 N. R. 7 E. S. 10 B.T.

Continued Book 463.

Concluded Book 464

BOOK 460