

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUL 3- 1916

JUL 5- 1917

DEC 5- 1917

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 278

SITUATED IN THE **CHIRICAHUA** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 7 , unsurveyed, Township 17 S., Range 30 E.  
In Section 8 , unsurveyed, Township 17 S., Range 30 E.  
In Section 17 , unsurveyed, Township 17 S., Range 30 E.

of the

Gila and Salt River Base and Meridian.

State of  
Arizona.

Applicant for listing **E. J. Hands,**

Residence **Light, Arizona,**

Application No. 23 ✓ , dated **December 8 , 1907 ✓**  
Supp'l. List 3-798, dated **August 15, 1916.**  
List No. 3-798 , dated **November 2 , 1910 ✓**

Applicant for survey **Edward J. Hands,**

Residence **Light, Arizona.**

H. E. No. 014891 ✓ , dated **July 17 , 1911 ✓**

Office  
Land District **Phoenix, Arizona.**

Survey executed by **C. A. Long,** Surveyor, Forest Service.  
[Forest Service Title.]

Under special instructions dated **October 1, 19 14**

Survey commenced **July 16 , 19 15**

Survey completed **July 20, 19 15**

Under Acts of **June 11, 1906 and March 4, 1915.**



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OATH OF ASSISTANTS

We hereby certify that we assisted **C. A. Long** in surveying all those  
**Surveyor, Forest Service** [Forest Service Title.]

parts or portions of Homestead Entry Survey No. **278**, in the State  
of **Arizona**, which are represented in the following field notes  
as having been surveyed by him and under his direction; and that said  
survey has been in all respects, to the best of our knowledge and  
belief, well and faithfully surveyed, and the corner monuments estab-  
lished, according to the instructions furnished by the United States  
Surveyor General for **Arizona**.

Note: It would have been  
very expensive and incon-  
venient to appear before an  
officer to administer the  
oaths to assistants; hence  
they were taken by the Sur-  
veyor.

*Supervisor*  
*Rear Chairman*  
*J. W. Lewis*  
*Head Chairman*

Subscribed and sworn to before me this **twentieth** day of  
**July**, 19 **15**.

*C. A. Long*  
*Surveyor Forest Service*

OATH OF SURVEYOR

I, **C. A. Long,**

**Surveyor, Forest Service**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**October 1**, 19 **14**, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, surveyed a tract  
of land **embraced in**

Supp'l. List 3-798, dated August 15, 1916, and  
List No. 3-798, dated November 2, 1910, for  
Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. **278**,  
situated within the **Chiricahua** National Forest, in  
unsurveyed Section **7**, Township **17 S.**, Range **30 E.**, and  
unsurveyed Section **8**, Township **17 S.**, Range **30 E.**, and  
unsurveyed Section **17**, Township **17 S.**, Range **30 E.**,

of the **G. & S. R. B. &** meridian, **Arizona**, and the  
related retracements and resurveys and section subdivisions, which are  
represented in the following field notes as having been surveyed by me;  
and I further solemnly swear that all the corners of said survey have been  
established and perpetuated in strict accordance with the stated special  
instructions, and in the specific manner described in the field notes,  
and that the following are the original field notes of such survey.

*C. A. Long*  
*Surveyor Forest Service*  
[Forest Service Title.]

Subscribed and sworn to before me this **31st** day of  
**March**, 19 **16**.

*Elmer C. Myers*  
*Notary Public*



8-2349

My Commission expires April 20, 1918.



## CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, E. J. Hands; Application No. 23, dated December 8, 1907; List No. 3-798, dated November 2, 1910; H. E. 014891 made in the Phoenix Land Office on July 17, 1911 by Edward J. Hands.

Also a strip of land excepted from the original listing was included in this survey, since the exception is no longer required for the protection of Government interests. The area has been opened to entry upon supplemental list 3-798, dated August 15, 1916.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 1, 1914 and designated as Homestead Entry Survey No. 278.

Situated in what will probably be, when surveyed, secs. 7, 8, and 17, T. 17 S., R. 30 E., Gila and Salt River Base and Meridian, Chiricahua National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

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Survey commenced July 16, 1915 and executed with a Buff and Buff transit No. 9699.

I test the adjustments of the transit and make necessary corrections.

The stadia is adjusted to read 1:132.

All measurements were made directly on the slope with a 500 link steel tape and the slope angles were determined with a clinometer.

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July 16, 1915.

At cor. H-5 of List No. 1497, and what will be cor. No. 1 of this survey, which is identical with cor. No. 4 of H. E. S. 277, hereinafter described, Lat.  $31^{\circ} 58' N.$ , Long.  $109^{\circ} 18' 30'' W.$ , taken from Surveyor General's special instructions, and later verified, I clamp the horizontal limb at zero and with telescope direct, I sight to an old snag about 30 chs. dist. and at 6h. 30.4m.



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Chains: p.m. l.m.t., I unclamp the upper motion and turn to the E. until the vertical hair bisects Polaris. The resulting angle between Polaris and reference mark is 25° 29'.

Greenwich m.t. U.C. Pol., July 16, 1915, 5h. 57.3m.a.m.  
Sidereal correction, 1.2m.  
5h. 56.1m.

Astron. l.m.t. U.C. Pol., July 15, 1915, 17h. 56.1m.  
Astron. l.m.t. of obsn., July 15, 1915, 30h. 30.4m.  
Hour Angle, 12h. 34.3m.  
23h. 56.1m.  
Time argument, 11h. 21.8m.

Azimuth of Polaris at obsn., 180° 12' 42"  
Subtract, 25° 29' 00"  
Azimuth of reference mark, 154° 43' 42"  
or a bearing of, N. 25° 16' 18" W.

At 6h. 35.6m. p.m., l.m.t., I again observe Polaris as above described, with telescope reversed. The resulting angle between reference mark and Polaris is 25° 31'

Astron. l.m.t. U.C. Pol., July 15, 1915, 17h. 56.1m.  
Astron. l.m.t. of obsn., July 15, 1915, 30h. 35.6m.  
Hour Angle, 12h. 39.5m.  
23h. 56.1m.  
Time Argument, 11h. 16.6m.

Azimuth of Polaris at obsn., 180° 14' 30"  
Subtract, 25° 31' 00"  
Azimuth of reference mark, 154° 43' 30"  
or a bearing of, N. 25° 16' 30" W.

The mean of which is N. 25° 16' 24" W., and to the corresponding meridian all the courses of this survey are referred.

BOUNDARIES OF CLAIM

July 17, 1915.

TRACT A.

Beginning at cor. No. 1.

Identical with beginning cor. of the list survey, which was cor. H-5 of List 1497, a limestone 6 x 8 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I destroyed all trace of the List cor. in connection with the survey of H. E. S. 277. At this point I previously established cor. No. 4 of H. E. S.



## CHIRICAHUA NATIONAL FOREST

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Chains

277, which is a porphyry stone 5 x 14 x 10 ins. above ground, chiseled cross (+) for the point and 4 - H E S 277 on NW. face; with a mound of stone 4 ft. base, 3 ft. high NW. of cor. 1 chisel same stone 1 - H E S 278 on E. face for cor. No. 1 of this survey, and raise a mound of stone 4 ft. base, 3 ft. high E. of cor., whence:

A nail in a white oak, 14 ins. dia., bears  
S. 40° 51' E., 63 lks. dist.

A nail in a white oak, 20 ins. dia., bears  
N. 58° 02' E., 71 lks. dist.

Each blazed and scribed 1 H E S 278 B T.

The 1/4 sec. cor. on E. bdy. of sec. 12,

T. 17 S., Rs. 29 and 30 E., which is a limestone 6 x 8 x 8 ins. above ground, firmly set and marked 1/4 on W. face, with a mound of stone West of cor., bears N. 81° 38' W., 78.43 chs. dist., by traverse which appears at the end of these notes.

Note: This 1/4 sec. cor. was evidently restored by the U. S. G. S. when this Forest boundary was established in 1906 as the original description furnished by the Surveyor General calls for a wooden post.

The observed magnetic declination at 7h. 00m. a.m., is 14° 15' E., which corrected for diurnal change gives a mean magnetic variation of 14° 11' E.

Lat. 31° 58' N., Long. 109° 18' 30" W., from special instructions of the Surveyor General and later verified.  
Thence N. 0° 40' W.

Along line 4-3 of H. E. S. 277. Over open level bottom land.

0.08 Cor. of wire fence, from which fences bear N. 0° 40' W. and N. 54° 20' W. Thence along W. side of fence.

3.17 Wire fence bears E. and W.

3.29 To cor. No. 2,



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Chains Deposit a limestone 2 x 2 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 7 x 16 x 24 ins., chiseled cross for the point and 2 - H E S 278 on SE. face; raise a mound of stone 4 ft. base, 3 ft. high, SE. of cor., whence:

A nail in a black oak, 6 ins. dia., bears S. 2° E., 5 lks. dist.

A nail in a juniper, 8 ins. dia., bears S. 76° 30' E., 46 lks. dist.

Each blazed and scribed 2 H E S 278 B T.

Cor. No. 3 of H. E. S. 277, a granite stone 14 x 16 x 10 ins. above ground, chiseled cross at the point and 3 - H E S 277 on the SW. face, with mound of stone 4 ft. base, 3 ft. high, SW. of cor., bears N. 0° 40' W., 15.68 chs. dist.

Thence S. 57° 11' E.

Along SW. side of road exception over level bottom land through dense undergrowth, oak and juniper timber.

- 0.50 Wire fence around yard bears E. and W. Thence across yard.
- 3.20 Wire fence around yard bears N. and S. Leave yard.
- 15.20 Wire fence bears N. and S.
- 15.24 To cor. No. 3.

Deposit a limestone 2 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 6 x 14 x 24 ins., chiseled cross for the point and 3 - H E S 278 on W. face; raise a mound of stone 4 ft. base, 3 ft. high W. of cor., whence:

A nail in a white oak, 14 ins. dia., bears S. 66° 28' E., 28 lks. dist.

A nail in a juniper, 5 ins. dia., bears S. 54° 13' W., 25 lks. dist.



CHIRICAHUA NATIONAL FOREST

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Chains Each blazed and scribed 3 H E S 278 B T

Thence S. 0° 15' W.

Over level bottom land through dense undergrowth, oak, and juniper trees

0.07 Wire fence bears NW. and SE.

0.60 Dim road bears NW. and SE.

1.58 To cor. No. 4.

Identical with cor. H-3 of the list survey which is a rhyolite stone 5 x 16 x 18 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a porphyry stone 2 x 2 x 3 ins. marked with a cross 17 ins. in the ground over which set a schist stone 7 x 12 x 27 ins. chiseled cross for the point and 4 - H E S 278 on W. face raise a mound of stone 4 ft. base, 3 ft. high, W. of cor. whence

A nail in a white oak 14 ins. dia. bears

N. 81° 26' W., 47 1/2 lks. dist.

A nail in a white oak 28 ins. dia. bears

N. 46° 55' E., 24 lks. dist.

Each blazed and scribed 4 H E S 278 B T

July 17, 1915.

July 19, 1915.

Thence S. 29° 20' E.

Over level bottom land through dense undergrowth oak juniper and sycamore timber.

3.50 S. Fork of Pinery Creek, 25 lks. wide, course NW.

7.50 S. Fork of Pinery Creek, 25 lks. wide, course N.

13.75 Dim road bears N. and S.

18.00 Enter bed of S. Fork of Pinery Creek.

21.20 Leave bed of S. Fork of Pinery Creek.

31.00 S. Fork of Pinery Creek, 20 lks. wide, course NW.



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Chains  
51.25 S. Fork Pinery Creek, 20 lks. wide, course N. 10° 00' W.

54.50 S. Fork Pinery Creek, 20 lks. wide, course N. 70° 00' W.

56.16 To cor. No. 5.

Identical with cor. H-4 of the list survey which is a porphyry stone 6 x 12 x 20 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 2 x 3 x 4 ins. marked with a cross 16 ins. in the ground over which set a limestone 12 x 12 x 26 ins. chiseled cross for the point and 5 - H E S 278 on W. face; raise a mound of stone 4 ft. base, 3 ft. high, W. of cor. whence

A nail in a sycamore 12 ins. dia. bears  
N. 41° 50' E., 27 lks. dist.

A nail in a white oak 14 ins. dia. bears  
N. 83° 20' W., 74 lks. dist.

Each blazed and scribed 5 H E S 278 B T

Thence S. 48° 01' W.

Ascend 95 ft. to cor. through dense undergrowth along NW. side of wire fence, 5 lks. dist.

1.60 Dim wood road bears NW. and SE.

2.75 Top of steep ascent, thence over gradual ascent to cor.

11.00 Enter cleared land.

14.94 To cor. No. 6.

Identical with cor. H-5 of the list survey which is a quartzite stone 6 x 8 x 16 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 1 x 3 x 4 ins. marked with a cross 12 ins. in the ground over which set a sandstone 7 x 14 x 20 ins. (no longer stone available) chiseled cross for the cor. and 6 - H E S 278 on N. face; raise a mound of stone 3 ft. base, 3½ ft. high, N. of cor. whence



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Chains

	<p>A nail in a blackjack pine 10 ins. dia. bears S. 82° 05' E., 46 lks. dist.</p> <p>A nail in a blackjack pine 6 ins. dia. bears N. 30° 40' W., 104 lks. dist.</p> <p>Each blazed and scribed 6 H E S 278 B T</p>
	<p>Thence N. 29° 27' W.</p> <p>Descend 70 ft. to cor. over rolling land along edge of clearing and along NE. side of wire fence 5 lks. dist. which bears with line.</p>
4.00	Leave edge of clearing bearing NE. Enter dense oak brush.
9.25	Arroyo 25 lks. wide, 10 ft. deep, course N. 30° 00' E.
18.00	Arroyo 50 lks. wide, 10 ft. deep, course NE.
20.00	Arroyo 100 lks. wide, 30 ft. deep, course NE.
29.98	Cor. wire fence, fence bears N. and SE. along line.
30.02	To cor. No. 7.
	<p>A nail in a black oak 8 ins. dia. bears Identical with cor. H-6 of the list survey which is a quartzite stone 5 x 6 x 14 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lime- stone 2 x 3 x 4 ins. marked with a cross 12 ins. in the ground over which set a limestone 10 x 12 x 20 ins. (No longer stone available) chiseled cross for the point and 7 - H E S 278 on E. face; raise a mound of stone 3 ft. base, 2½ ft. high, W. of cor. from which</p>
	<p>A nail in a black oak 16 ins. dia. bears N. 28° 30' E., 17 lks. dist.</p>
	<p>A nail in a juniper 6 ins. dia. bears S. 62° 00' E., 29 lks. dist.</p>
	<p>Each blazed and scribed 7 H E S 278 B T</p>
	<p>Note: It was impracticable to place mound inside claim.</p>
	<p>Thence N. 48° 32' E.</p> <p>Ascend 6 ft. through dense oak brush and oak timber.</p>



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Chains	
0.05	Wire fence bears N. and S. Thence along S. side of wire fence 10 lks. dist.
1.25	Top of ascent, and descend 60 ft. to cor.
7.50	Wire fence bears N. 49° 00' E. and S. 49° 00' W. thence along N. side of fence.
10.70	To cor. No. 8.  Identical with cor. H-7 of the list survey which is a red anderite stone 5 x 12 x 18 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a porphyry stone 1 x 3 x 5 ins. marked with a cross 15 ins. in the ground over which set a porphyry stone 6 x 10 x 25 ins. chiseled cross for the point and 8 - H E S 278 on E. face; raise a mound of stone 4 ft. base, 3 ft. high, E. of cor. whence  A nail in a black oak 6 ins. dia. bears N. 40° 55' E., 14 lks. dist. A nail in a blackjack pine 12 ins. dia. bears S. 52° 45' E., 26 lks. dist. Each blazed and scribed 8 H E S 278 B T
	Thence N. 34° 51' W. Descend 120 ft. along NE. slope through dense undergrowth, oak, juniper, and sycamore timber.
0.60	Wire fence begins 5 lks. S. of line. Thence along E. side of wire fence 5 lks. dist.
3.00	Wire fence bears N. 34° W. and S. 34° E.
25.50	Wash 15 lks. wide, course N. 10° W.
35.25	Wire fence bears N. 70° W. and S. 70° E.
36.00	Wire fence bears NE. and SW.
36.40	S. Fork of Pinery Creek 30 lks. wide, course W.
36.50	Wire fence bears NW. and SE.
39.26	To cor. No. 1 the place of beginning. July 19, 1915.



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July 20, 1915.

Tract B.

Beginning at point for cor. No. 9

On line 4-3 of H.E.S. 277, deposit a limestone 1 x 3 x 5 ins. marked with a cross 17 in. in the ground over which set a porphyry stone 4 x 8 x 27 ins. chiseled cross for the point and 9 - H E S 278 on NE. face; and raise a mound of stone 4 ft. base, 3 ft. high, NE. of cor. whence

A nail in a white oak 18 ins. dia. bears S. 13° 30' E., 75 lks. dist.

A nail in a white oak 24 ins. dia. bears N. 87° 10' E., 133 lks. dist.

Each blazed and scribed 9 H E S 278 B T Cor. No. 2 bears S. 0° 40' E., 55.3 lks. dist.

Cor. No. 3 H.E.S. 277 heretofore described bears N. 0° 40' W., 15.13 chs. dist.

Cor. No. 4, H.E.S. 277 heretofore described bears S. 0° 40' E., 3.84 chs.

Thence N. 0° 40' W.,

Over level bottom land, along line 4-3 of H.E.S. 277

0.04 Wire fence bears E. and W. Enter alfalfa field.

1.94 Wire fence bears E. and W. Leave alfalfa field. Enter scattering sycamore timber.

2.17 To cor. No. 10.

Identical with cor. H-1 of the list survey which is a rhyolite stone 7 x 7 x 15 ins. above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a limestone 2 x 2 x 5 ins. marked with a cross 14 ins. in the ground over which set a sandstone 7 x 16 x 24 ins. chiseled cross for the point and 10 - H E S 278 on SE. face; raise a mound of stone 4 ft. base, 3 ft. high, SE. of cor. whence



10. HOMESTEAD ENTRY SURVEY NO. 278

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A nail in a sycamore 16 ins. dia. bears  
S. 77° 22' W., 33 lks. dist.

A nail in a juniper 24 ins. dia. bears  
N. 33° 50' E., 160 lks. dist.

Each blazed and scribed 10 H E S 278 B T  
Cor. No. 3 of H.E.S. 277 heretofore described

bears N. 0° 40' W., 12.96 chs. dist.  
Cor. No. 4 of H.E.S. 277 heretofore described

bears S. 0° 40' E., 6.01 chs. dist.

Thence East. 75 lks. 108° 30' E.

Over level bottom land, through dense undergrowth  
juniper, and oak timber. Along N. side of wire fence.

9.65 Road bears NE. and SW.

10.00 Ascend 10 ft. to cor.

11.75 Wire fence bears to the SE.

12.90 To cor. No. 11.

Identical with cor. H-2 of the list survey which is a  
limestone 12 x 17 x 17 ins. above ground marked and  
witnessed as described by the Forest Service. I de-

stroy all trace of this list cor. Deposit a porphyry  
stone 2 x 3 x 4 ins. marked with a cross 16 ins. in

the ground over which set a porphyry stone 6 x 8 x 26  
ins. chiseled cross for the point and 11 - H E S 278  
on SW. face; raise a mound of stone 4 ft. base, 3 ft.

high, SW. of cor. whence

A nail in a juniper 40 ins. dia. bears  
S. 5° 47' E., 119 lks. dist.

A nail in a yellow pine 16 ins. dia. bears  
S. 82° 50' W., 139 lks. dist.

Each blazed and scribed 11 H E S 278 B T



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Thence S. 0° 15' W.

Ascend 70 ft. over steep NW. slope through dense undergrowth, oak and juniper timber.

0.90 Fence cor., from which fence bears NW. and S. 0° 30' W.

Thence along E. side of wire fence.

6.00 Top of divide between N. and S. Forks of Pinery Creek.

Descend 75 ft. to cor. over steep SW. slope.

10.44 To cor. No. 12.

Deposit a sandstone 1 x 2 x 3 ins. marked with a +, 14 ins. in the ground, over which set a porphyry stone 8 x 12 x 24 ins., chiseled cross for the point and 12 -

H E S 278 on NW. face; raise a mound of stone 4 ft. base, 3 ft. high, NW. of cor., whence:

A nail in a black oak, 6 ins. dia., bears  
N. 47° 28' E., 32 lks. dist.

A nail in a juniper, 4 ins. dia., bears  
N. 68° 05' W., 40 lks. dist.

Each blazed and scribed 12 H E S 278 B T.

Cor. No. 3, heretofore described, bears

S. 0° 15' W., 54 lks. dist.

Thence N. 57° 11' W.

Along NE. side of road exception, through dense undergrowth, oak and juniper timber, over level bottom land.

12.00 Wire fence bears N. and S. Enter yard.

12.75 Wire fence bears E. and W. Leave yard.

15.25 To cor. No. 9, the place of beginning.

AREA

Area of Tract A - - - - - 65.57 acres

Area of Tract B - - - - - 8.11 acres

Total Area - - - - - 73.68 acres

Listed Area - - - - - 71.59 acres

Unlisted Area - - - - - 2.09 acres

Total Area - - - - - 73.68 acres



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

IMPROVEMENTS

The improvements made upon this claim and belonging to the claimant herein, consist of the following:

A tarred felt house, 24 x 28 ft., course of long sides E. and W., the SE. cor. of which bears N. 28° 45' E., 2.20 chs. dist. from cor. No. 1.

Value ----- \$300.00

A windmill over a dug well, 25 ft. deep, the center of which bears N. 1° 06' W., 3.89 chs. dist. from cor. No. 1. This well is on H. E. S. 277.

Value ----- \$250.00

A red wood tank, 9 ft. high, 10 ft. dia., the center of which bears N. 5° 25' E., 3.05 chs. dist. from cor. No. 1.

Value ----- \$150.00

A frame chicken house, 8 x 10 ft., course of long sides E. and W., the NW. cor. of which bears S. 66° 31' E., 65 lks. dist. from cor. No. 1.

Value ----- \$ 25.00

About two miles of barbed wire fencing.

Value ----- \$200.00

Total value of improvements ----- \$925.00

DESCRIPTION

This claim is located along the narrow valley of the S. Fork of Pinery Creek. The soil is a light sandy loam first rate, and well suited to fruit growing, alfalfa, grain and vegetables. About 15 acres have been cleared of brush and timber and put in cultivation. The uncleared portion is covered with a dense growth of oak brush, oak, juniper and sycamore timber; about 75% of the area can be farmed. Water for domestic use is obtained from a dug well about 25 ft. deep, and water for stock is obtained from seeps along Pinery Creek.



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CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains Light is the nearest postoffice and trading place. It is about 16 miles in a SW. direction, and is reached by a fair wagon road.

Conflicts and Adjoining Claims.

There are no conflicts. H. E. S. 277 Frank Hands, claimant, joins this claim on the west, lines 1-2 and 9-10 of this claim being on line 4-3 of H. E. S. 277.

Traverses.

Tract A.		Dist.				
Cor.	Course		N.	S.	E.	W.
1-2	N. 0° 40' W.,	3.29	3.29			.04
2-3	S. 57° 11' E.	15.24		8.26	12.81	
3-4	S. 0° 15' W.	1.58		1.58		.01
4-5	S. 29° 20' E.	56.16		48.96	27.51	
5-6	S. 48° 01' W.	14.94		9.99		11.11
6-7	N. 29° 27' W.	30.02	26.14			14.76
7-8	N. 48° 32' E.	10.70	7.09		8.02	
8-1	N. 34° 51' W.	39.26	32.22			22.45
		171.19	68.74	68.79	48.34	48.35
				68.74	48.30	48.34
				.05	.01	.01

Error in lat. and dep.  
Closing error 1:3363

Tract B.		Dist.				
Cor.	Course		N.	S.	E.	W.
9-10	N. 0° 40' W.	2.17	2.17			.03
10-11	East	12.90			12.90	
11-12	S. 0° 15' W.	10.44		10.44		.05
12-9	N. 57° 11' W.	15.25	8.26			12.82
		40.76	10.43	10.44	12.90	12.90
				10.43	12.90	
				.01	.00	

Error in lat. and dep.  
Closing error 1:4076

Traverse for Tie from Cor. No. 1 to 1/4 bet. secs. 7 and 12.

Course	Dist.	N.	S.	E.	W.
N. 54° 20' W.	8.15	4.75			6.62
N. 85° 06' W.	30.00	2.56			29.89
S. 88° 20' W.	41.10		1.19		41.08
North	5.30	5.30			
		12.61	1.19		77.59
		1.19			
N. 81° 38' W.,	78.43	11.42			

Survey completed July 20, 1915.

*C. Long*  
Surveyor Forest Service.







- DIRECTIONS.—1. Carry out calculation to two decimals only.  
2. In balancing Latitude and Departures do not obliterate or change the original figures. Put the corrected figure or figures above in red ink.  
3. In calculations for balancing fallings should be proportional to the lengths of the lines.  
4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

Surveyors are required to use the Standard Field Tables issued by the G. L. O.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 278, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Tract A.	N. 0° 40' W.	3.29	3.29			.04	.04		
	S. 57° 11' E.	15.24	8.26 <sup>5</sup>	12.81		12.81	.13	105.68	
	S. 0° 15' W.	1.58	1.58 <sup>4</sup>		.01	25.61		40.46	
	S. 29° 20' E.	56.16	48.96	27.51		53.12		2599.69	
	S. 48° 01' W.	14.94	9.99		11.11	69.53		694.60	
	N. 29° 27' W.	30.02			14.76	43.66		1141.71	
	N. 48° 32' E.	10.70	7.09	8.02		36.92		261.76	
Tract B.	N. 34° 51' W.	39.26	32.22 <sup>3</sup>		22.43	22.51		725.50	
		171.19	68.74	48.34	48.35		2129.10	3440.43	
			68.76	48.35				2129.10	20/1311.33
									65.57 acres.
			Closing error 1:3363						
Tract B.	N. 0° 40' W.	2.17	2.17			.03	.03		
	East	12.90		12.90		12.90			
	S. 0° 15' W.	10.44	10.44		.05	25.75		268.83	
	N. 57° 11' W.	15.25			12.82	12.88		106.52	
		40.76	10.43	12.90	12.90	106.59		106.59	
			10.44	12.90	12.90			20/162.24	
								8.11 acres	
			Closing error 1:4076						

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EMH



APPROVAL

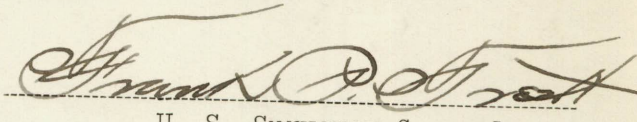
Office of the United States Surveyor General,

Phoenix, Arizona, June 14 , 1917.

The foregoing field notes of Homestead Entry Survey No.

278

executed by C. A. Long, Surveyor Forest Service  
under his special instructions, dated October 1 , 1914, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the  
above-described survey in the State of Arizona , has been  
correctly copied from the original notes on file in this office.

Frank P. Trott  
U. S. Surveyor General.