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OCT.-2 1916

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. **378**

SITUATED IN THE **COCONINO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. **3**

In Section **21** , - surveyed, Township **21 N.**, Range **8 E.**

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicants for listing **C. H. Patrick and Sereno W. Hodgson,**

Residence		Cliffs, Arizona.
Application No.	296 ✓ , dated	December 16 , 1911 ✓
Application No.	607 , dated	May 23 , 1916
List No.	3-1713 ✓ , dated	February 13 , 1912 ✓

Applicant for survey **Sereno W. Hodgson,**

Residence **Cliffs, Arizona.**

H. E. No. **021735** ✓ , dated **March 17** , 1913 ✓

Land District **Phoenix, Arizona.**

Survey executed by **R. P. A. Johnson, Surveyor - Draftsman**
[Forest Service Title.]

Under special instructions dated **July 9** , 1915

Survey commenced **October 12** , 1915

Survey completed **October 13** , 1915

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



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OATH OF ASSISTANTS

We hereby certify that we assisted R. B. Johnson
Surveyor Draftsman [Forest Service Title.] in surveying all those
parts or portions of Homestead Entry Survey No. 378, 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 Surveyor.

W. B. Baer, Chairman
Douglas E. Maister, Chairman

Subscribed and sworn to before me this Fifteenth day of
December, 1915. R. B. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R. B. Johnson, Surveyor Draftsman
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for Arizona, dated
July 9, 1915, 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 List 3-1713 dated February
13 1912 and a tract of land upon the
application of Simeon H. Hodgson

Application, No. 607, dated May 23, 1916, for
patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 378,
situated within the Coconino National Forest, in
- surveyed Section 21, Township 21 N., Range 8 E., and
- surveyed Section -----, Township -----, Range -----,

of the Gila and Salt River Base 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.

R. B. Johnson
Surveyor Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this 2nd day of
March, 1916.

Essie C. Myers
Notary Public



COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, C. H. Patrick; Application No. 296, dated December 16, 1911; List No. 3-1713, dated February 13, 1912; H. E. 021735, made in the Phoenix Land Office on March 17, 1913 by Sereno W. Hodgson. Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 021735.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915 and designated as Homestead Entry Survey No. 378.

Situated in Section 21, T. 21 N., R. 8 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

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

Survey commenced October 12, 1915 and executed with a Buff and Buff transit No. 9700-6, equipped with Smith solar attachment.

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

All measurements were made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer, horizontal distances only appearing in these notes.

October 12, 1915.

At 5h. 19m. p.m., l.m.t., I observe Polaris at cor. No.

1. The reading on the reference object is set at zero.

Lat. $35^{\circ} 11' 35''$ N., Long. $111^{\circ} 33' 40''$ W., from U. S. G. S. Sheet, Flagstaff Quadrangle.

Chains	Telescope	Time	Horizontal Angle
	Direct	5h. 18m. 58s.	19° 45' 30" E. of Pol.
	Astron. l.m.t. U.C. Pol.,	October 12, 1915,	12h. 08.5m.
	Astron. l.m.t. obsn.,	October 12, 1915,	5h. 19.0m.
			6h. 49.5m.
	Long. corr.		01.2m.
	Hour Angle of Pol. at obsn.,		6h. 48.3m.
	Azimuth of Polaris, 1° 21' 25" to E.		
	Bearing of reference object, N. 21° 07' 06" E.		

October 12, 1915.

At 5h. 22.2m. p.m., l.m.t., I again observe Polaris at cor. No. 1. The reading on the reference object is set at zero.

Telescope	Time	Horizontal Angle
Reversed	5h. 22m. 14s.	19° 45' E. of Pol.
Astron. l.m.t. U.C. Pol.,	October 12, 1915,	12h. 08.5m.
Astron. l.m.t. obsn.,	October 12, 1915,	5h. 22.2m.
		6h. 46.3m.
Long. corr.		01.2m.
Hour Angle of Pol. at obsn.,		6h. 45.1m.
Azimuth of Polaris, 1° 21' 54" E.		

Bearing of reference object, N. 21° 06' 54" E. ✓

The mean of these is N. 21° 07' E., and from the corresponding meridian all the courses of this survey were deflected.

October 13, 1915.

Beginning at 1/4 cor. bet. secs. 20 and 21, T. 21 N.,

R. 8 E., Gila and Salt River Base and Meridian, which is a limestone 8 x 6 x 8 ins. above ground, marked 1/4 on West face and surrounded by a mound of stone, whence:

A yellow pine, 16 ins. dia., bears N. 33° E.,

142 lks. dist., marked 1/4 S B T.

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Chains A yellow pine, 25 ins. dia., bears N. 78° E.,
140 lks. dist., marked 1/4 S B T.

This cor. is described by the Surveyor General as a post
with charred stake, pits, mound of earth and two wit-
ness trees.

Thence North.

On random line bet. secs. 20 and 21.

40.17 Fall 11 lks. East of point for cor. to secs. 16, 17, 20
and 21. I make careful search for cor. post and mound
but fail to find any trace. I find four witness trees
in place and marked as described by the Surveyor Gen-
eral. I restore cor. from witness trees as follows:

Set a limestone 24 x 8 x 5 ins., 14 ins. in the ground,
over a small stone marked with a cross, for cor. to
secs. 16, 17, 20 and 21, marked with four notches on
East and three notches on South edges; and raise a
mound of stone 3 ft. base, 2 ft. high, North of cor.

Thence S. 0° 10' E.

On true line bet. secs. 20 and 21.

40.17 To 1/4 cor. bet. secs. 20 and 21, heretofore described.

Beginning at cor. No. 1 and C. C. on line bet. secs.
20 and 21.

Identical with cor. H-1 of the list survey, which is a
limestone 12 x 8 x 10 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor. I set a limestone
28 x 8 x 4 ins., 18 ins. in the ground, over a stone
4 x 4 x 3 ins. marked with a cross; chiseled a cross on
top, C C on South face and 1 - H E S 378 on SE. face;

Chains

and raise a mound of stone 3 ft. base, 2 ft. high
South of cor., from which:

A yellow pine, 16 ins. dia., bears

N. 55° E., 85 lks. dist., blazed and

scribed 1 H E S 378 + B T.

A yellow pine, 16 ins. dia., bears S. 54°

54' E., 227 lks. dist., blazed and

scribed 1 H E S 378 + B T.

Cor. for secs. 16, 17, 20 and 21, hereto-

fore described, bears N. 0° 10' W., 3.47

chs. dist.

1/4 cor. bet. secs. 20 and 21, heretofore de-

scribed, bears S. 0° 10' E., 36.70 chs. dist.

Mag. Va. at 5:00 p.m., 14°30' E., Mean Mag. Va., 14°30' E.

Latitude 35° 11' 35" N., Longitude 111° 33' 40" W., from

U. S. G. S. sheet, Flagstaff Quadrangle.

Thence S. 39° 29' E.

Leave listed and enter unlisted land, over level land
in open. Along foot of SW. slope.

9.57 Road, bears NW. and SE.

16.21 To cor. No. 2.

At cor. of fence, fence bears NE. and SW.

Set a limestone 24 x 8 x 6 ins., 14 ins. in the

ground, over a stone 5 x 4 x 2 ins., marked with a

cross, chiseled with a cross on top and 2 - H E S 378

on SW. face; and raise a mound of stone 3 ft. base,

2 ft. high, SW. of cor., from which:

A yellow pine, 22 ins. dia., bears N. 17°

37' E., 197 lks. dist., blazed and

scribed 2 H E S 378 + B T.

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Chains

A yellow pine, 36 ins. dia., bears S. 38°
04' E., 273 lks. dist., blazed and
scribed 2 H E S 378 + B T.

Thence S. 25° 50' E.

Over level land, in open, along foot of SW. slope.

27.09 To cor. No. 3.

On fence line; fence bears NW. and SE.

Set a limestone 24 x 8 x 6 ins., 14 ins. in the
ground, over broken glass. I chisel a cross on top
and 3 - H E S 378 on SW. face. No stones available
for mound, therefore dig pits 24 x 24 x 12 ins. cross-
wise on claim lines 3-1/2 ft. dist.; and raise a mound
of earth 4 ft. base, 2 ft. high SW. of cor., from
which:

A yellow pine, 10 ins. dia., bears S. 43°
12' W., 156 lks. dist., blazed and
scribed 3 H E S 378 + B T.

A yellow pine, 10 ins. dia., bears N. 86°
18' W., 195 lks. dist., blazed and
scribed 3 H E S 378 + B T.

Cor. H-6 of the list survey, which is a
limestone 8 x 6 x 2 ins. above ground,
marked and witnessed as described by the
Forest Service, bears N. 39° 20' W., 5.51
chs. dist. I destroy all trace of this
list cor.

Thence S. 44° 18' E.

Over level land, in open, along foot of SW. slope.
Leave unlisted and enter listed land.

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Chains	
2.56	Road, bears NW. and SE.
7.00	Fence, bears N. and S.
7.66	Fence, bears E. and W.
9.30	Road, bears NW. and SE.
14.00	Fence cor., fence bears NW. and SE.
16.00	Road, bears NW. and SE.
22.45	To cor. No. 4. Identical with cor. H-5 of the list survey, which is a limestone 8 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor., in place of which I set a limestone 24 x 6 x 4 ins., 14 ins. in the ground, over a stone 8 x 5 x 2 ins., marked with a cross. I chisel a cross on top and 4 - H E S 378 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor., from which: A yellow pine, 36 ins. dia., bears N. 0° 53' W., 70 lks. dist., blazed and scribed 4 H E S 378 + B T. A yellow pine, 9 ins. dia., bears N. 57° 24' E., 164 lks. dist., blazed and scribed 4 H E S 378 + B T.
	Thence S. 49° 01' W. Across open park, over level land.
0.90	Road, bears NW. and SE.
1.15	Fence cor., fence bears NW. Continue along fence.
2.04	NE. cor. of tank.
3.04	SE. cor. of tank.
5.00	Cor. H-4 of the list survey, which is a limestone 8 x

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Chains

6 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Leave listed and enter unlisted land.

6.13 To cor. No. 5.

At cor. of fence.

Set a limestone 36 x 9 x 4 ins., 26 ins. in the ground, over a stone 5 x 4 x 3 ins., marked with a cross. I chisel a cross on top, 5 - H E S 378 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor., from which:

A yellow pine, 26 ins. dia., bears N. 30° W., 25 lks. dist., blazed and scribed 5 H E S 378 + B T.

A yellow pine, 28 ins. dia., bears S. 32° 10' W., 40 lks. dist., blazed and scribed 5 H E S 378 + B T.

Thence N. 41° 10' W.

Over level land, at edge of timber. Along foot of NE. slope. Fence on line.

1.10 Cross fence, bears NE.

14.00 Enter scattered timber, leave fence, bears N. 37° W.

19.00 Leave scattered timber, enter open.

20.99 To cor. No. 6.

On fence line, fence bears NW. and SE.

Set a limestone 28 x 8 x 4 ins., 18 ins. in the ground, over a stone 6 x 4 x 3 ins., marked with a cross. I chisel a cross on top and 6 - H E S 378 on N. face. No stones available for mound, therefore dig pits 24 x 24 x 12 ins. crosswise on claim lines 3-1/2 ft. dist.; and raise a mound of earth 4 ft. base,

Chains 2 ft. high, N. of cor., from which:

A yellow pine, 26 ins. dia., bears S. 72° 56' E., 44 lks. dist., blazed and scribed 6 H E S 378 + B T.

A yellow pine, 24 ins. dia., bears S. 6° 55' E., 2.71 lks. dist., blazed and scribed 6 H E S 378 + B T.

Cor. H-3 of the list survey, which is a limestone 10 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 34° 05' W., 4.02 chs. dist. I destroy all trace of this list cor.

Thence N. 64° 45' W.

Over level land, at edge of timber. Along foot of NE. slope.

10.20 Fence, bears N. and S. Enter scattered timber and ascend 15 ft. along NE. slope.

12.50 Top of ascent. Descend 15 ft. to cor. along N. slope.

14.00 Leave scattered timber.

21.31 To cor. No. 7 and C. C. on line bet. secs. 20 and 21. Identical with cor. H-2 of the list survey, which is a limestone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor., in place of which I set a limestone 24 x 10 x 10 ins., 14 ins. in the ground, over a stone 6 x 3 x 3 ins. marked with a cross. I chisel a cross on top, C C on SE. face and 7 - H E S 378 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., from which:

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Chains
 -- A yellow pine, 40 ins. dia., bears S. 9°
 18' E., 168 lks. dist., blazed and
 scribed 7 H E S 378 + B T.
 A yellow pine, 36 ins. dia., bears S. 74°
 52' E., 206 lks. dist., blazed and
 scribed 7 H E S 378 + B T.
 1/4 cor. bet. secs. 20 and 21, heretofore
 --- described, bears S. 0° 10' E., 4.62 chs. dist.
 Cor. for secs. 16, 17, 20 and 21, heretofore
 described, bears N. 0° 10' W., 35.55 chs. dist.

Thence N. 0° 10' W.
 Over level land, across open park in center of lane.
 On true line bet. secs. 20 and 21. Leave unlisted
 and enter listed land.

30.64 Leave lane.

31.00 Road, bears NW. and SE.

32.08 To cor. No. 1, the place of beginning.

AREA

Listed Area --- 49.78 acres

Unlisted Area --- 8.16 acres

Total Area --- 57.94 acres

IMPROVEMENTS

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

A frame dwelling, 40 x 22 ft., the long side of which
 bears NW. and SE. and the NW. cor. of which bears
 S: 27° 29' E., 12.43 chs. dist. from cor. No. 1.

Chains

Value ----- \$500.00

A frame barn, 20 x 18 ft., the long side of which bears NNE. and SSW. and the NW. cor. of which bears S. 24° 52' E., 9.20 chs. dist. from cor. No. 1.

Value ----- \$250.00

A root cellar, 15 x 15 ft., the ventilator of which bears S. 21° 13' E., 9.00 chs. dist. from cor. No. 1.

Value ----- \$100.00

A root cellar, 35 x 27 ft., the long side of which bears E. and W., and the ventilator of which bears N. 69° 04' W., 1.38 chs. dist. from cor. No. 3.

Value ----- \$200.00

There is approximately two miles of wire fence.

Value ----- \$250.00

DESCRIPTION

This claim is situated 3 miles South of Elden Mountain, and 2 miles North of rim of Walnut Canyon, at an elevation of 6800 ft. It consists of an open draw which has a steep pitch to a low rim to NE. and a gradual slope to low divide on SW. The tract is practically level with a very slight slope to NW.

There is no timber upon claim with exception of a few scattered trees along South boundary.

There is no water for irrigation and none is necessary. Water for domestic use is hauled from Big Fill Lake, one and a half miles distant.

The soil is a rich loam, very fertile and especially adapted to raising of oat hay and potatoes. Good crops of both have been raised on this claim.

There is approximately 40 acres in cultivation.

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Chains

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicting claims. The land adjoining on West belongs to University of Arizona and Robert Kidd's homestead is approximately 10 chains to NW. Flagstaff, the nearest railroad station, is approximately 6 miles to West. Cliffs, the nearest post office, is 2 miles to NW.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 39° 29' E.	16.21		12.51 ✓	10.31 ✓	
2-3	S. 25° 50' E.	27.09		24.38 ✓	11.80 ✓	
3-4	S. 44° 18' E.	22.45		16.07 ✓	15.68 ✓	
4-5	S. 49° 01' W.	6.13		4.02 ✓		4.63 ✓
5-6	N. 41° 10' W.	20.99	15.80 ✓			13.82 ✓
6-7	N. 64° 45' W.	21.31	9.09 ✓			19.27 ✓
7-1	N. 0° 10' W.	32.08	32.08 ✓			0.09 ✓
		146.26	56.97	56.98	37.79	37.81
Error in Lat. and Dep.				<u>56.97</u>		<u>37.79</u>
				.01		.02

Closing error, 1:6541.

Survey completed October 13, 1915.

A. C. Johnson

Surveyor - Draftsman

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HOMESTEAD ENTRY SURVEY NO. 10

NATIONAL FOREST

STATE OF

Chains

I saw no indication of minerals upon this claim.
There are no conflicting claims. The land adjoining on west belongs to University of Arizona and Robert Kida's homestead is approximately 1/2 mile to NW. The nearest railroad station is approximately 6 miles to west. Gliffa, the nearest post office, is 2 miles to NW.

TRAVELER

Course	Dist.	N	S	E	W
1-3 S. 89° 20' E.	16.81		16.81	10.81	
2-3 S. 25° 50' E.	27.03		24.38	11.80	
3-4 S. 44° 18' N.	28.45	16.07		16.88	
4-5 S. 49° 01' W.	8.13		4.02		4.63
5-6 N. 41° 10' W.	20.33	16.80			13.82
6-7 N. 04° 43' W.	21.81	2.09			12.27
7-1 N. 0° 10' W.	22.08	22.08			0.09
Error in lat. and dep.					
Closing error, 1:6243.					
Survey completed October 13, 1916.					

Surveyor - Dr. J. H. ...

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures.

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 378, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 32° 29' E.	16.21		12.51	10.31		10.31	128.98 ✓	
2-3	S. 25° 50' E.	27.09		24.38	11.80		32.43	790.64 ✓	
3-4	S. 44° 18' E.	22.45		16.07	15.68		59.92	962.91 ✓	
4-5	S. 49° 01' W.	6.13		4.02		4.63	70.97	285.30 ✓	
5-6	N. 41° 10' W.	20.99	15.80			13.82	52.52	829.82 ✓	
6-7	N. 64° 45' W.	21.31	9.09			19.27	19.43	176.62 ✓	
7-1	N. 0° 10' W.	32.08	32.08			0.09	0.08	2.57 ✓	
		146.26	56.97	56.98	37.79	37.81		1009.01	2167.83 ✓
			56.98	56.98	37.80	37.80			1009.01
									<u>57.94</u> Acres.
Closing error, 1:6541.									

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EMH

APPROVAL

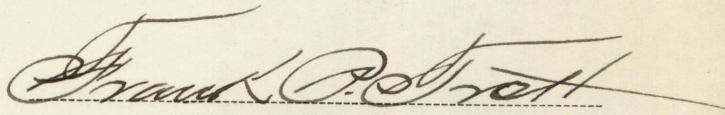
Office of the United States Surveyor General,

Phoenix, Arizona, June 5, 1917

The foregoing field notes of Homestead Entry Survey No.

378

executed by **R.P.A. Johnson, Surveyor-Draftsman** [Forest Service Title.]
under his special instructions, dated **July 9**, 1915, 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.