

131
AUG 2 1915

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 110

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 13, unsurveyed, Township 1 S., Range 15 E.

~~Section 14, unsurveyed, Township 1 S., Range 15 E.~~

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Forest Service Surveyor.

Under special instructions dated October 30, 1913

Survey commenced December 29, 1913

Survey completed December 29, 1913

Under Acts of June 11, 1906 and March 4, 1913.

Applicant for listing A. B. Harris

Residence Globe, Arizona.

Application No. 126, dated November 6, 1909

List No. 3-12751, dated May 5, 1911

Applicant for survey Joe Wilkins

Residence Globe, Arizona

H. E. No. 016811, dated February 27, 1912

Land district Phoenix, Arizona

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Forest Service Surveyor in surveying all those
parts or portions of Homestead Entry Survey No. 110, in
unsurveyed Section 13, Township 1 S., Range 15 E.,
unsurveyed Section 14, Township 1 S., Range 15 E.,

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished by the United States Surveyor General for Arizona.

Note: It would have been very inconvenient and expensive to appear before an officer to administer oaths to assistants, hence they were taken by the Surveyor.

Benjamin F. Rabour, Chainman
John B. Wight, Chainman

Subscribed and sworn to before me this 30th day of
December, 1913.

Walter G. Turley
Forest Service Surveyor

OATH OF SURVEYOR

I, Walter G. Turley, Forest Service Surveyor, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated October 30, 1913, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land ~~upon the application of~~ embraced in
LIST, No. 3-1275, dated May 5, 1911, for
PATENT, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 110,
situated within the CROOK National Forest, in
unsurveyed Section 13, Township 1 S., Range 15 E., and
unsurveyed Section 14, Township 1 S., Range 15 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 perpet-
uated in strict accordance with the stated special instruc-
tions, and in the specific manner described in the field
notes, and that the following are the original field notes
of such survey.

Walter G. Turley
Forest Service Surveyor

Subscribed and sworn to before me this 19th day of
January, 1914.

Walter G. Scott
Notary Public



CROOK NATIONAL FOREST

ARIZONA

Chains Applicant for listing, A. B. Harris; Application No. 126, dated November 6, 1909; List No. 3-1275, dated May 5, 1911; H. E. No. 016811 made at Phoenix, Arizona, by Joe Wilkins on February 27, 1912.

Surveyed under special instructions from the Surveyor General for Arizona dated October 30, 1913, and designated as Homestead Entry Survey No. 110.

Situated in unsurveyed T. 1 S., R. 15 E., G. & S. R. B. and Meridian in what will probably be, when surveyed, Secs. 13 and 14, within the Crook National Forest.

Listed under the Act of June 11, 1906, and survey authorized by the Acts of June 11, 1906 and March 4, 1913.

This survey was executed with a W. and L. E. Gurley light mountain transit No. 12953, with vertical circle and Burt solar attachment. The horizontal limb having two double verniers placed opposite and reading to single minutes of arc, which is also the least graduation on the latitude and declination arcs.

The instrument was tested and all necessary adjustments made to the levels, line of collimation, solar attachment and stadia interval. The stadia is adjusted to read 1:132 and all measurements were made on the slope, and reduced to the horizontal, with a 400 link steel tape and a Philadelphia stadia rod graduated to feet and hundredths with target verniers reading to thousandths.

December 29, 1913:

At 8 h. 00 m. a.m., 1.m.t., I set off $23^{\circ} 12'$ S. on the decl. arc and $33^{\circ} 22'$ on the lat. arc and determine a meridian with the solar at cor. No. 3 of H. E. S. No. 102, and my line of sight falls upon the tack in the

134

HOMESTEAD ENTRY SURVEY NO. 110

CROOK NATIONAL FOREST

ARIZONA

Chains

stake set 4.00 chs. north of my station which defines a meridian as determined by Polaris observations of December 14 and 15, 1913. Therefore I conclude that my transit is in satisfactory adjustment.

Lat. 33° 22' N., Long. 110° 43' 50" W.

Preliminary to the survey of this claim I proceed to cor. H-1 of the list survey and retrace its boundaries in a clockwise direction and calculate its area to be less than 160 acres.

Application No. 39, B. L. Rogers, was surveyed for List 3-155 on June 8 and 9, 1908, by John W. Farmer.

Application No. 13, J. S. Sniffen, was surveyed for List

3-347 on November 18, 1909, by Harold Greene.

Application No. 126, A. B. Harris, was surveyed for List 3-1275 on December 7, 1910, by Frank R. Taylor.

List survey 3-1275 is identical with List 3-155 except that cor. H-1, List 3-155, was S. 72° 18' W. 3.70 chs. dist. from cor. H-1, List 3-1275. This cor. was destroyed at the time the survey for List 3-1275 was made.

Cor. H-7 of List 3-1275 was established at cor. H-2 of List 3-347, which survey was made subsequent to the survey of application No. 39 for List 3-155.

I calculate the tie to the St. 1/4 Sec. Cor. Sec. 34, T. 1 N., R. 15-1/2 E. to be in excess of two miles, therefore, I proceed to establish U. S. L. M. No. 110 H. E. S., in accordance with instructions.

December 29, 1913:

At 9 h. 00 m. a.m., l.m.t., I set off 23° 13' S. on the decl. arc and 33° 21' on the lat. arc and determine a meridian at the point determined by me for U. S. L. M. No. 110 H. E. S., at which point I set a conglomerate

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

stone 36 x 20 x 10 ins. 24 ins. in the ground, marked with a cross (+) for the exact point and U. S L M 110 H E S on the N. face; and raise a conical mound of stone 6 ft. base, 4 ft. high, alongside to the South. The marked stone being in the perimeter of the base of the mound. There are no permanent bearings within a reasonable distance which I can mark for witnesses. The latitude at this point is 33° 20' 39" N., and Longitude is 110° 45' 18" W.

This U. S. L. M. is located on a prominent hill approximately in the center of unsurveyed sec. 14, T. 1 S., R. 15 E., 2 miles 15.30 chs. S. of the base line.

From this U. S. L. M.

The N. gable of the Pinal Ranger station bears S. 39° 38' W., 1 mile 32.00 chs. dist.

N. 3° 15' W. to smelter smoke stack at the Old Dominion in Globe, 4 miles.

N. 37° 18' W. to Webster Peak, 9 miles dist.

S. 38° 08' W. to Forest Service watch tower on Pinal Peak, 5 miles dist.

N. 85° 41' E. to the water tank on the A. E. Ry. in Cutter, 7 miles dist.

~~S. C. secs. 35 and 36, T. 1 N., R. 15 E., bears N. 6° 22' 17" W., 176.80 chs., by traverse~~

~~which appears at end of these notes.~~

Standard 1/4 cor. sec. 34, T. 1 N., R. 15-1/2 E.,

a sandstone 8 x 12 x 6 ins. above ground, marked and witnessed as described by Surveyor General,

bears N. 29° 50' 47" E., 202.44 chs., by traverse which appears at end of these notes.

Thence S. 81° 40' E. on a true line.

56.86 To cor. No. 1.

Identical with cor. H-3 of the list survey, also cor.

H-1, H. E. No. 021677, Charles E. Rubottom, unsurveyed

H. E. S. No. 158, which is a red sandstone 16 x 7 x 10

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim and at this point I set a quartzite boulder 28 x 16 x 10 ins., 18 ins. in the ground for cor. No. 1 of this survey, marked 1-HES110 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:

A cross (+) on an imbedded schist stone 48 x 36 x 12 ins. above ground, marked 1 H E S 110 B R, bears S. 78° E., 67 lks. dist.

A cross (+) on an imbedded schist stone 36 x 36 x 6 ins. above ground, marked 1 H E S 110 B R, bears S. 26° 02' E., 56 lks. dist.

Mag. decl. at 11h. 30m. a.m., l.m.t., 14° 27' E., Mean

Mag. decl. 14° 26' E. Lat. 33° 20' 39" N., Long. 110° 44' 30" W., from special instructions.

At 12h. 02m. p.m., l.m.t., I set off 23° 13' S. on the decl. arc and observe the sun on the meridian at apparent noon and obtain a reading of 33° 21' on the lat arc.

Thence N. 71° 03' E. on a true line.

Descend E. slope 50 ft. to ravine.

3.10 Ravine, course SE. Ascend 75 ft. to ridge.

5.20 Fence, bears N. and S.

10.00 Ridge; bears NW. and SE. Descend 25 ft. to cor.

13.74 To cor. No. 2.

Identical with cor. H-4 of the list survey, which is a gray granite 10 x 8 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I

set a gray granite stone 26 x 10 x 6 ins., 16 ins. in the ground, over a small stone marked with a cross (+) for cor. No. 2 of this survey, marked 2-HES110 on the S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor., from which:

CROOK NATIONAL FOREST

ARIZONA

Chains	<p>A cross (+) on an imbedded gray granite stone 36 x 24 x 18 ins. above ground, marked 2 H E S 110 B R, bears N. 66° 26' W. 26 lks. dist. No other bearings available. Pits impracticable.</p> <hr/> <p>Thence N. 37° 37' E. on a true line. Descend 25 ft. to ravine. 2.00 Ravine, course E. Ascend 100 ft. to ridge. 10.20 Ridge, bears E. and W. Descend 75 ft. to cor. 22.20 Fence, bears NE. and SW. 24.20 To cor. No. 3.</p> <p>Identical with cor. H-5 of the list survey, which is a granite stone 14 x 6 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. At this point I previously set cor. No. 5 of H. E. S. No. 109, which is a quartzite stone 12 x 8 x 10 ins. above ground, marked 5-HES109 on the NE. face, with mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor. I mark same stone 3-HES110 on the S. face for cor. No. 3 of this survey, from which:</p> <p>A cross (+) on an imbedded red quartzite stone 33 x 32 x 16 ins. above ground bears N. 50° 30' E., 73 lks. dist. marked 5 H E S 109 3 H E S 110 B R. Pits impracticable. No other bearings available.</p> <hr/> <p>Thence S. 78° 08' E. Along line 5-4 of H. E. S. No. 109. Descend 25 ft. to cor. along E. slope. 0.20 Fence, bears NE. and SW. 8.74 Fence, bears NW. and SE. 8.98 To cor. No. 4.</p> <p>Identical with cor. H-6 of the list survey, which is</p>
--------	---

Chains

a granite stone 14 x 6 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. At this point I previously set cor. No. 4 of H. E. S. No. 109, which is a granite stone 12 x 8 x 10 ins. above ground, marked 4-HES109 on the NE. face, with a mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor. I mark same stone 4-HES110 on the SW. face for cor. No. 4 of this survey, from which:

A catsclaw 6 ins. dia. bears N. 1° 3' W. 39 lks.

dist. marked 4 H E S 109 4 H E S 110 B T.

A mesquite 5 ins. dia. bears S. 37° 6' E. 86 lks.

dist. marked 4 H E S 109 4 H E S 110 B T.

Thence S. 11° 00' W.

Along line 4-3 of H. E. S. No. 109, across mesa.

6.40 To cor. No. 5.

Identical with cor. H-7 of the list survey, which is a granite stone 12 x 10 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I

destroy all trace of this list cor. At this point I previously set cor. No. 3 of H. E. S. No. 109, which

is a gneiss stone 10 x 10 x 10 ins. above ground marked 3-HES109 on the NE. face, with a mound of stone 2 ft.

base, 1-1/2 ft. high NE. of cor. I mark same stone

5-HES110 on W. face for cor. No. 5 of this survey, from which:

A mesquite 4 ins. dia. bears N. 86° 43' E. 92 lks.

dist. marked 3 H E S 109 5 H E S 110 B T.

Pits impracticable. No other bearings available.

Thence S. 1° 18' W. on a true line.

Descend 5 ft. to creek.

HOMESTEAD ENTRY SURVEY NO. 110

CROOK NATIONAL FOREST

ARIZONA

Chains
-4.30 Pinal Creek, 150 lks. wide, banks 2 ft. high, course NNE.
Ascend 40 ft. to spur.
6.00 Road, bears NE. and SW.
13.00 Spur bears E. and W. Descend 10 ft. to cor.
17.13 To cor. No. 6.
Identical with cor. H-1 of the list survey, which is
a granite stone 6 x 4 x 6 ins. above ground, marked
and witnessed as described by the Forest Service. I
destroy all trace of this list cor. and at this point
I set a gray gneiss stone 24 x 14 x 6 ins. 14 ins. in
the ground over a small stone marked with a cross (+)
for cor. No. 6 of this survey, marked 6-HES110 on the
NW. face; and raise a mound of stone 2 ft. base, 1-1/2
ft. high NW. of cor. from which:
A catsclaw 10 ins. dia. bears S. 3° 00' E.
27 lks. dist. marked 6 H E S 110 B T
An ash 4 ins. dia. bears S. 87° 19' W. 57 lks.
dist. marked 6 H E S 110 B T
U. S. G. S. B. M. 3825 bears N. 46° 05' W.
5.42 chs. dist.
Thence S. 69° 41' W. on a true line.
Descend W. slope 20 ft. to ravine.
1.50 Ravine, course N. Ascend E. slope 20 ft. to ridge.
4.10 Ridge bears N. and S. Descend N. slope 20 ft. to Pinal
Creek.
8.50 Road, bears N. and S.
8.90 Fence, bears N. and S.
9.50 Pinal Creek, 30 lks. wide, banks 3 ft. high, course N.
Ascend 20 ft. to cor.
12.02 Fence, bears E. and W.
12.38 Road, bears E. and W. Continue along N. slope.
32.07 To cor. No. 7.

Chains Identical with cor. H-2 of the list survey, also cor. H-6, of H. E. No. 021677, Charles E. Rubottom, unsurveyed H. E. S. No. 158, which is a porphyry stone 14 x 6 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim and at this point I set a schist stone 26 x 10 x 8 ins. 16 ins. in the ground over a small stone marked with a cross (+) for cor. No. 7 of this survey, marked 7-HES110 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor. from which:

(+) A cross (+) on a conical gray granite 4 ft. base and 4 ft. high bears N. 46° 35' E. 12 lks. dist. marked 7 H E S 110 B R:

A cross (+) on an imbedded schist 60 x 36 x 24 ins. above ground bears N. 23° 52' W. 17 lks. dist. marked 7 H E S 110 B R.

Thence N. 21° 00' W. on a true line.

Descend N. slope 50 ft. to creek.

4.33 Sixshooter Creek, 45 lks. wide, banks 2 ft. high, course E. Ascend 50 ft. along S. slope to cor.

5.78 Road, bears E. and W.

13.72 To cor. No. 1 of this survey, the place of beginning.

December 29, 1913.

Area of Homestead Entry Survey No. 110.

Total Area 65.92 acres.

Improvements

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

A frame chicken house 10 x 15 ft., the long side of which

CROOK NATIONAL FOREST

ARIZONA

Chains

bears N. and S. and the SE. cor. of which bears N. 31° W. 3.80 chs. dist. from cor. No. 6 of this survey.

Value \$ 20.00

A well 23 ft. deep, the center of which bears N. 43° 30' W. 4.17 chs. dist. from cor. No. 6 of this survey.

Value \$ 30.00

A frame dwelling 25 x 25 ft., the long side of which bears E. and W. and the SE. cor. of which bears N. 48° 15' W. 3.96 chs. dist. from cor. No. 6 of this survey.

Value \$500.00

A frame stable 15 x 20 ft. the long side of which bears N. and S. and the SE. cor. of which bears N. 62° W. 2.26 chs. dist. from cor. No. 6 of this survey.

Value \$ 50.00

General Description

This claim is situated on Pinal Creek at an elevation of approximately 3,825 ft. and is chiefly valuable for stock raising. The soil is a sandy loam and produces any crop raised in the temperate zone.

There appears to be no mineral on this claim.

Globe Postoffice and Arizona Eastern Railway Station is 3 miles in a northerly direction.

Conflicts and Adjoining Claims.

This claim is joined on the north by H. E. S. No. 109, J. S. Sniffen and on the West by H. E. No. 021677, unsurveyed H. E. S. 158, Charles E. Rubottom.

TUCU CROOK NATIONAL FOREST

ARIZONA

Chains

Latitudes, Departures and Closing Errors.

Bearing	Distance	Latitude		Departure	
		N	S	E	W
N. 71° 03' E.	13.74	4.46		13.00	
N. 37° 37' E.	24.20	19.17		14.77	
S. 78° 08' E.	8.98		1.85	8.79	
S. 11° 00' W.	6.40		6.28		1.22
S. 1° 18' W.	17.13		17.13		.39
S. 69° 41' W.	32.07		11.13		30.07
N. 21° 00' W.	13.72	12.81			4.92
	116.24	36.44	36.39	36.56	36.60
		36.39			36.56
Error in Lat. and Dep.		.05			.04
Closing Error	1:1815				

Walter G. Turley
 Forest Service Surveyor.

General Description
 This claim is situated on Pinal Creek at an elevation of approximately 3,825 ft. and is chiefly valuable for stock raising. The soil is a sandy loam and produces any crop raised in the temperate zone. There appears to be no mineral on this claim. Globe Postoffice and Arizona Eastern Railway Station is 3 miles in a northerly direction.

Conflicts and adjoining claims.
 This claim is joined on the north by H. E. & No. 109, J. S. Sniffen and on the west by H. E. Mc. ORLEY, unurveyed H. E. S. 128, Charles E. Riddett.

HOMESTEAD ENTRY SURVEY NO 110

NO. 110
S. 15-1/2 E.

TEHR CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains Traverse U. S. L. M. No. 110 H. E. S. to Standard *aligned*

1/4 Sec. cor., Sec. 34, T. 1 N., R. 15-1/2 E.

Course	Dist.	N	S	E	W
S. 81° 40' E.	56.86		8.24	56.26	
N. 71° 03' E.	13.74	4.46		13.00	
N. 37° 37' E.	24.20	19.17		14.77	
S. 78° 08' E.	8.98		1.85	8.79	
S. 11° 00' W.	6.40		6.28		1.22
S. 84° 15' E.	8.71		0.87	8.67	
N. 5° 23' E.	41.03	40.85		3.84	
N. 1° 30' W.	<u>128.39</u>	<u>128.35</u>			<u>3.36</u>
		192.83	17.24	105.33	4.58
		<u>17.24</u>		<u>4.58</u>	
		175.59		100.75	

N. 29° 50' 47" E., 202.44 chs.

ET

Chains

Course	Dist.	W	E	S	N
N. 1° 30' W.	128.32				128.32
N. 5° 28' E.	40.85			40.85	
S. 84° 15' E.	8.71				8.71
S. 11° 00' W.	6.40				6.40
S. 78° 08' E.	8.98				8.98
N. 37° 37' E.	24.20			24.20	
N. 71° 03' E.	13.74			13.74	
S. 81° 40' E.	56.86				56.86
Course	Dist.	W	E	S	N
		17.24	4.59		
			100.75		
		17.24			
			17.24		
		4.59			
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	
		17.24			
			4.59		
				100.75	

Chains

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, but put below them the corrected footing in red ink.
 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. 110, STATE OF Joe Wilkins.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
	N. 71° 03' E.	13.74	4 46		13 00		13 01	57 89	
	N. 37° 37' E.	24.20	19 17		14 77		40 80	781 73	
	S. 78° 08' E.	8.98		1 85	8 79		64 37	119 08	
	S. 11° 00' W.	6.40		6 28		1 22	71 94	451 78	
	S. 1° 18' W.	17.13		17 13		39 6	70 34	1205 63	
	S. 69° 41' W.	32.07		11 13		30 07	39 90	444 49	
	N. 21° 00' W.	13.72	12 81			4 92	4 92		
		116.24	36 44	36 39	36 56	36 60		902 60	2220 98
			36 41	36 41	36 58	36 58		902 60	2)1318 60
	Closing Error, 1:1815.							659 19	= 65.92 Acres.
									T.F. 5

145

146

= 66.25.10000

СЛОЖИТЕ ЛОЖИ И:Л:Л:Л:Л:Л

662 72

00 6719 60

60 600

88 0883

64 222

88 2081

87 121

80 611

202 20

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

66 88

СЛОЖИТЕ ЛОЖИ И:Л:Л:Л:Л:Л

СЛОЖИТЕ ЛОЖИ И:Л:Л:Л:Л:Л

СЛОЖИТЕ ЛОЖИ И:Л:Л:Л:Л:Л

APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona,
December 5, _____, 1914 .

The foregoing field notes of Homestead Entry Survey No.

110

Joe Wilkins

executed by Walter G. Turley, Forest Service Surveyor,
under his special instructions, dated October 30, _____, 1913,
having been critically examined, and the necessary correc-
tions and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

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

Frank S. Ingalls,
U. S. Surveyor General.