Volume

#

R0430

Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 38 Ex. U.S.F.

SITUATED IN THE

DIXIE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Section 23, surveyed, Township 37 S., Range 17 W.

(accepted survey)

of the

Salt Lake Base and Meridian.

Utah.

Survey executed by John C. Brown, Forest Ranger, Surveyor.

Under special instructions dated July 12, 1913.

Survey commenced July 19, 1913.

Survey completed July 20, 1913.

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

Applicant for listing S. W. Peterson.

Residence Enterprise, Utah

Application No. 18, dated April 28, 1909.

List No. 4-205, dated August 20, 1909.

Applicant for survey Frank Hochschulz

Residence Enterprise, Utah.

H. E. No. 010571, dated November 30, 1912.

Land ~~district~~ Office Salt Lake.

8-2319

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 38, in surveyed Section 23, Township 37 S., Range 17 W., surveyed Section ..., Township ..., Range ..., (~~un~~accepted survey) of the Salt Lake Base & meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Angus M. Woodbury
Rod and Head Chainman

John E. Benson
Flag and Rear Chainman

Subscribed and sworn to before me this 20th day of July, 1913.

John C. Brown.
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 12, 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. 4-205, dated August 20, 1909, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 38, situated within the Dixie National Forest, in surveyed Section 23, Township 37 S., Range 17 W., and surveyed Section ..., Township ..., Range ..., (~~un~~accepted survey) of the Salt Lake meridian, and base, Utah, 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.

John C. Brown
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 4th day of April, 1914.

SEAL.

Geo. D. Goshen
Notary Public

8—2349

Form 83
Sheet No. 1
(Revised July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 38

SITUATED IN THE DIXIE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 25, surveyed, Township 37 S Range 17 W.

(accepted survey)

of the

Salt Lake Base & Meridian.

State of

Utah

Applicant for listing S. W. Peterson

Residence Enterprise, Utah

Application No. 18, dated April 28, 19 09

List No. 6-205, dated August 20, 19 09

Applicant for survey Frank Hochschulz

Residence Enterprise, Utah

H. E. No. 010571, dated November 30, 1912

Land ~~District~~ Office Salt Lake

Survey executed by Angus M. Woodbury, Surveyor, Forest Service [Forest Service Title.]

Under special instructions dated July 12, 1913

Survey commenced May 23, 1915

Survey completed May 23, 1915

Under Acts of June 11, 1906, June 30, 1914.

F-2219

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Surveyor Forest Service [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 38, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

David O. Woodbury, Chainman.

Subscribed and sworn to before me this 23rd day of May, 19 15.

Angus M. Woodbury
Surveyor, Forest Service

OATH OF SURVEYOR

I, Angus M. Woodbury, Surveyor, Forest Service [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 12, 19 13, 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 patent, No. 4-205, dated August 20, 1909, for the same to be known as Homestead Entry Survey No. 38, under the Act of June 11, 19 06, situated within the Dixie National Forest, in surveyed Section 23, Township 37 S., Range 17 W., and surveyed Section , Township , Range , (accepted survey) of the Salt Lake meridian, Utah, 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.

Angus M. Woodbury
Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this 19th day of January, 1915.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

J. C. BROWN, FOREST RANGER.

S. W. Peterson, applicant for listing, Application No. 18, dated April 28, 1909. Frank Hochschulz, applicant for survey. List No. 4-205, dated August 20, 1909.

Special instructions dated July 12, 1913, for H.E.S. No. 38

Claim situated in Sec. 23, T. 37 S., R. 17 W., Salt Lake Base and Meridian, Utah, (accepted survey) in the Dixie National Forest.

Authority contained in the Acts of June 11, 1906 and March 4, 1913.

Survey commenced July 19, 1913, and executed with W. & L. E. Gurley Light Mountain transit No. 12968, equipped with Burt Solar attachment, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc. Measurements made with Lufkin two-chain steel tape. I examine the adjustments of the transit, finding all adjustments correct.

July 19, 1913, at a point which bears approximately N. 72° 00' E., 65.00 chs. dist., from Cor. 5 of this survey in latitude 37° 35' 20" N., longitude 113° 38' 52" W., at 8 h. 20 m., A.M., l.m.t., I observe the altitude of the sun for azimuth:

Vertical Angle	Horz. Angle
(1) 37° 57' 30"	91° 41'
(2) 39° 21' 30"	92° 49'

From these observations I calculate the bearing of a reference meridian determined with the Solar, as (1) N. 0° 0' 6" W. and (2) N.)- 0' 39" W., the mean of which is N. 0° 0' 22" W.

HOMESTEAD ENTRY SURVEY NO.38

DIXIE NATIONAL FOREST

2. STATE OF UTAH

Chains

I project the meridian above described, in SEC. 24, T. 37 S., R. 17 W. (survey accepted) to Cor. 1 of this survey, and from said meridian I determine the courses of the bdys. of this survey.

Mean magnetic declination 16° 14' E.

ANGUS M. WOODBURY, Surveyor, Forest Service.

Retracements made and meridian verified on May 23, 1915, with Gurley Light Mountain transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of arc.

Measurements made with a Dietzgen 2-chain steel tape and clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

May 23, 1915; At the ¼ cor. bet. secs. 23 and 26, T. 37 S., R. 17 W., (survey accepted) an iron post, 1 inch in diam., marked and witnessed as described by the Sur. Gen., at 9 h. 4 m., A.M., apparent time, I observe the altitude of the sun for azimuth.

Latitude = 37° 35' N. :
Longitude = 113° 40' W. : From state diagram.

Observation 1.

Apparent altitude = 48° 15' 30"

Horizontal angle (from the sun to the right) = 168° 40'

Observation 2.

Apparent altitude = 49° 27' 30"

Horizontal angle (from the sun to the right) = 167° 26'

Chains

From these observations, I calculate the bearing of a reference stake, 8.10 chs. dist. as (1) N. 89° 48' 58" W. and (2) N. 89° 48' 32" W. The mean of these is N. 89° 48' 45" W. The corresponding meridian agrees within 1' of arc., with the meridian projected by Mr. Brown.

Retracement

Beginning at the ¼ cor. bet. secs. 23 and 26, T. 37 S., R. 17 W., (survey accepted), an iron post, heretofore described, I run.

Thence

West

On a random line bet. Secs. 23 and 26

40.02 Fall 13 lks. S. of the cor. of Secs. 22, 23, 26 and 27, an iron post, 2 ins. dia., firmly set, mkd. and witnessed as described by the Sur. Gen.

The bearing of this line is, therefore, N. 89° 49' W., which is seen to vary by 9' from that given in the original field notes.

Beginning at the ¼ cor. bet. Secs. 23 and 26, heretofore described, I run

Thence

S. 89° 49' E.

On a random line bet. Secs. 23 and 26.

39.93 Fall 2½ lks. N. of the cor. of secs. 23, 24, 25 and 26, an iron post, 2 ins. dia., mkd. and witnessed as described by the Sur. Gen.

The bearing of this line is, therefore, S. 89° 47' E., which is seen to vary 11' from that given in the original field notes.

Beginning at Cor. 1, identical with the ¼ cor. bet.

Chains	
	secs. 23 and 26, T. 37 S., R. 17 E., (Survey accepted), an iron post heretofore described, and identical with Cor. 1 of H. E. S. 39, witnessed by a stake which I set alongside W., mkd. 1-HES-38 on N. face and 1-HES-39 on S. face.
	Mean magnetic declination 16° 14' E.
	Thence N. 89° 49' W.
	On a true line bet. secs. 23 and 26.
	Over sage flat.
0.55	Road to Calf Springs bears NE and SW
0.83	Woodbury's ditch, 3 lks. wide, course NE
1.33	Spring creek, wash, 25 lks. wide, 4 ft. deep, course NE.
8.10	To Cor. 2, on line bet. secs. 23 and 26, identical with Cor. H-3 of listing survey, a basalt stone, marked as described by the Sur. Gen.; in place of which I set a gray andesite stone, 24 x 12 x 10 ins., 14 ins. in the ground, marked 2-HES-38 on side facing the claim, CC on NE face, with cross (x) on top for closing Cor. and Cor. 2 of this survey, and mkd. 2-HES-39 and CC on the SE. face for Cor. 2 of H. E. S. No. 39, and raise a mound of stone, 4 ft. base, 3 ft. high, N. 26° E., 3½ ft. dist. on closing line.
	A juniper, 4 ins. dia., mkd. 2-HES-38 BT., bears S. 22° 25' E., 9 lks. dist.
	A juniper 7 ins. dia., mkd. 2-HES-38 BT., bears S. 28° 08' W., 15 lks. dist.
	The Cor. of Secs. 22, 23, 26, and 27, an iron post, heretofore described, bears N. 89° 49' W., 31.92 chs. dist.
	May 23, 1915.

Chains	
	JOHN C. BROWN, FOREST RANGER.
	Thence
	N. 26° 00' E.,
	Along base of steep hill through scattering juniper and thick sagebrush.
9.60	Enter Spring Creek Wash, course NW.
	Across bend in the wash.
11.00	Leave Spring Creek Wash, course NE.
15.14	To Cor. 3, identical with Cor. H-2 of listing survey, a basalt stone, marked as described by the Sur. Gen., in place of which I set a basalt stone, 24 x 13 x 6 ins., 14 ins. in the ground, marked 3-HES-38 on side facing the claim, with cross (x) on top for Cor. 3 of this survey. Raise a mound of stone, 4 ft. base, 4 ft. high, alongside corner.
	No available bearings; pits impracticable. Original bearing trees cut down.
	July 19, 1913.
	Thence
	N. 0° 26' W.,
	Along base of steep hillside.
14.75	Spring Creek Wash, course N., bears E. 20 lks. dist.
20.60	Spring Creek Wash, course N., bears E. 3 lks. dist.
27.22	To Cor. 4, identical with Cor. H-1 of the listing survey, and Cor. R-2 of Enterprise Adm. Site, a basalt stone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a basalt stone, 24 x 14 x 8 ins., 14 ins. in the ground; marked 4-HES-38 on side facing the claim, with cross (x) on top for Cor. 4 of this survey; raise a mound of stone, 4 ft. base,

Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

A1

A
430

HOMESTEAD ENTRY SURVEYS

Number	Tp.	Rg.	Name	Page.
38	37S	17W	Frank Hochschulz	1
42	2S	22E	Louis Freestone	23
43	2S	22E	Roger F. Goodman	49
50	36S	4½ & 5W	Samuel B. Riggs	69
53	2N	20E	Hyrum W. Droubay	85
54	2N	20E	A. O. Neilson	97
55	2N	20E	John Clarence Riggs	115
56	2N	20E	William N. Riggs	133
60	2N	21E	James L. Swett	151
61	2N	21E	Elizabeth E. Swett	173
62	2N	21 & 22E	Oscar Swett	197
63	2N	22E	John E. Green	221
64	2N	22E	W. M. Jackson	243
65	2N	21E	William R. Green Jr	265
66	2N	21E	Daniel E. Nelson	287
78	39S	16W	Oscar I. Randall	309
79	39S	16W	William A. Bracken	325
87	38S	17W	Josiah H. Leavitt	337
88	34S	2E	Joseph M. Chesnut	355
90	35S	1E	Gilbert McInelly	371
91	35S	2W	Robert W. Pinney	391
93	39S	16W	Raymond Burgess	413
98	3S	6 & 7 W	E. Freeman Nickerson	431
103	2S	7E	Heber Ure	447
104	2N	21E	Mrs. Elizabeth E. Swett	463
105	2N	21 & 22E	Oscar Swett	479
107	34S	1E	Ezra McInelly	497
109	34 & 35S	2W	Paul A. Winkler	521
110	34S	2 & 3E	Rees J. Roundy	541
112	35S	2W	Elijah G. Goulding	557
113	34S	1E	John H. McInelly	571
114	34S	2E	W.E. Wooley	591
115	27S	23E	George W. Hurley	605
116	33 & 34S	2E	William Chesnut	623
117	36S	5W	Hyrum Evans	637
119	37 & 38S	4W	Samuel S. Johnson	655
120	17S	4W	William I. Alldredge	675

Chains	
	4 ft. high, alongside corner, within the claim.
	A juniper, 8 ins. dia., mkd. X-4 HES-38-BT., bears S. 7° 10' W., 50 lks. dist.
	No other bearing available; pits impracticable.
	Thence
	S. 89° 56' E.
0.33	Old wagon road, bears N. and S.
0.50	SW. Cor. Enterprise Adm. Site fence, from which fences bear N. and S. 89° 56' E.
	Along fence
3.00	Spring Creek Wash, 35 lks. wide, 6 ft. deep, course N.
19.85	To Cor. 5, identical with Cor. H-5 of listing survey, and Cor. R/3 of Enterprise Adm. Site, a granite stone, marked and witnessed as described by the Sur. Gen., in place of which I set a granite stone, 24 x 12 x 9 ins., 14 ins. in the ground; marked 5-HES-38 on side facing the claim, with cross (x) on top for Cor. 5 of this survey; raise a mound of stone 5 ft. base, 3 ft. high, alongside corner. No available bearings; pits impracticable.
	Fences bear N. 89° 56' W. and N.
	Thence
	S. 18° 48' W.,
1.00	Woodbury ditch, 3 lks. wide, course NE.
1.60	Road from Ox Valley and Calf Springs to Enterprise, bears NE and SW.
6.00	Foot of gravel and boulder strewn hill.
	Ascend hill through sagebrush.
8.49	Top of hill, about 50 ft. above point of ascent.
	Across foothill through sagebrush.
18.75	Dry drainage, course N. 80° W.
	Across foothills, through sagebrush.

Chains	
43.10	Dry drainage, course NW.
	July 20, 1913.
	ANGUS M. WOODBURY, Surveyor, Forest Service.
43.21	To Cor. 6, on line between secs. 23 and 26, identical with cor. H-4 of the listing survey, a basalt stone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a volcanic stone, 24 x 10 x 6 ins., 14 ins. in the ground, mkd. 6-HES-38 on side facing the claim, CC on NE face, and a cross (x) on top, for closing cor. and Cor. 6 of this survey, and mkd. 11-HES-39 CC on SW face for closing cor. and Cor. 11 of H.E.S. No. 39; and raise a mound of stone, 4 ft. base, 3 ft. high, N. 18° 48' E., 3½ ft. dist. on closing line.
	No bearings available; pits impracticable.
	The cor. of secs. 23, 24, 25 and 26, an iron post, heretofore described, bears S. 89° 47' E., 35.64 chs. dist.
	Thence
	N. 89° 47' W.
	Along true line bet. secs. 23 and 26.
	Over sage flat from small rocky spur.
4.29	To Cor. 1, the place of beginning
	Total area of H. E. S. No. 38: 56.74 acres.
	May 23, 1915.
	JOHN C. BROWN, FOREST RANGER.
	IMPROVEMENTS.
	THE improvements on this claim, the property of the claimant herein, consist of the following:
	One tent house, 10 x 12 ft., course of long sides,

Chains

E. and W., the middle of which bears from Cor. 4 S. 27° 20' E., 21.20 chs. dist. Value $10.

One dug-out cellar, 10 x 8 ft., course of long sides E. and W., the middle of which bears from Cor. 4, S. 29° 50' E., 22.10 chs. dist. Value 10.

One cedar-post stable, 10 x 8 ft., course of long sides, E. and W., the middle of which bears from Cor. 4, S. 28° 40' E., 22.60 chs. dist. Value 10.

Total value of improvements: $30.

DESCRIPTION.

This claim is situated in the bottom of Spring Creek Canyon and covers the flat between the ridges which parallel it along the east and west sides. Enterprise, Utah, is about 1½ miles north. The Enterprise Adm. Site adjoins the north line of this survey. The Jas. W. Pendleton claim (H.E.S. No. 39) adjoins the south line of this survey. Approximate elevation by aneroid barometer 5250 ft. above sea level. Less than one acre of ground has been broken up; no crop appeared to be growing. The Woodbury Ditch, which diverts the waters from both Ox Valley and Calf Springs Canyons, crosses the claim but does not supply any water to this place, and no other water is available except it be developed by sinking wells. The soil is a clay-sand loam and probably would be very productive if water for irrigation purposes were obtainable. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of the claim. No other claims or patented land conflicting.

Chains

It being impracticable to take my assistants before an officer, qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself the required affidavit of the assistants.

Survey completed July 20, 1913.

John C. Brown,
Forest Ranger, (Surveyor)

May 23, 1915.

Angus M. Woodbury
Surveyor, Forest Service

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. [illegible]

TRUCKEE-TAHOE NATIONAL FOREST

STATE OF CALIFORNIA

	Chains		Chains

Blank

Page

Chains

Direct Solar Observation.

At Cor. 4 of H. E. S. 37.

Latitude 37° 35' 20" N.) By account from sketch fur-
) nished by Sur. Gen. with
Longitude 113° 38' 52" W.) Special Instructions.

July 19, 1913.

105° Std. Time	Horz. Angle	Vert. Angle
(1) 8:52 A. M.	91° 41'	37° 57' 30"
(2) 8:58 A. M.	92° 49'	39° 21' 30"

113° 38' 52" = 7.577 h. diff. from Greenwich

8 h. 55 m. = 8.916 h. A. M. Std. Time = 8.339 h. A.M. l.m.t.

Declination = N. 20° 53' 49"

True Altitude = (1) 37° 56' 16" and (2) 39° 20' 20"

$$\text{Cos. A.} = \frac{\text{Sin. Decl.}}{\text{Cos. Alt. x Cos. Lat.}} - (\text{tan. alt. x tan. lat})$$

Cos. A. = - .02935 (2)

Azimuth of sun = S. 88° 19' 06" E.

Bearing of reference (Solar) = N. 0° 00' 06" W.

Cos. A. = -.04895 (2)

Azimuth of sun = S. 87° 11' 39" E.

Bearing of reference (Solar) = N. 0° 00' 39" W.

Mean bearing of reference = N. 0° 00' 22.5" W., thus checking Solar within less than ½ minute.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

Chains

Computation Sheet - Direct Solars.

Line Cor. 1 to Cor. 2

May 23, 1915, at 9 h. 4 m., A. M., apparent time,

Latitude = 37° 35' N.

Longitude = 113° 40' W.

Declination = 20° 27' 50" N.

Observation 1.

Apparent altitude = 48° 15' 30"

Refraction = 51"

True Altitude = 48° 14' 39"

Cos. A. = +0.66247 - 0.86213 = - 0.19966

Azimuth of sun = S. 78° 28' 58" E.

Horizontal angle = 168° 40' (from the sun to the right)

Bearing of reference stake = N. 89° 48' 58" W.

Observation 2.

Apparent altitude = 49° 27' 30"

Refraction = 49"

True altitude = 49° 26' 41"

Cos. A = +0.67854 - 0.89937 = - 0.22083

Azimuth of sun = S. 77° 14' 32" E.

Horizontal angle =(from the sun to the right)= 167° 26'

Bearing of reference stake = N. 89° 48' 32" W.

Mean = N. 89° 48' 45" W.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

[illegible] NATIONAL FOREST

STATE OF [illegible]

	Chains		

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 38, STATE OF UTAH

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
	N. 89° 49' W.	8.10	03			8 10	8 10	24		
	N. 26° 00' E.	15.14	13 62 13 61		6 65 6 64		6 65	90 57		
	N. 0° 26' W.	27.22	27 23 27 22			20 21	13 10	356 71		
	S. 89° 56' E.	19.85		01 02	19 86 19 85		32 76		33	
	S. 18° 48' W.	43.21		40 89 40 90		13 92 13 93	38 70		1582 44	
	N. 89° 47' W.	4.29	02			4 29	20 49	41		
		117.81	40 90 40 88	40 90 40 92	26 37 26 49	26 37 26 53		447 93	1582 77	
				40 88		26 49			447 93	
			Error	04		04			20)1134 84	
								Area	✓56 74	Acres

Error of closure - $\frac{1}{2082}$

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

August 7, 1916

The foregoing field notes of Homestead Entry Survey No. 38, situated in the Dixie National Forest, Administrative District No. 4, in the surveyed section 23, T. 37 S. R.17 W., of the Salt Lake Base and Meridian, Utah, Frank Hochschulz, claimant,

executed by Angus M. Woodbury, Surveyor, Forest Service
John C. Brown, Forest Ranger, Surveyor
[Forest Service Title.]

under ~~his~~ special instructions, dated July 13, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

L. O. Thousen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

G.N.

HOMESTEAD ENTRY SURVEY NO. 42

SITUATED IN THE

ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Section 36, unsurveyed, Township 2 S, Range 22 E

of the

Salt Lake Base and Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger, (Surveyor)

Under special instructions dated July 29, 1913.

Survey commenced August 6, 1913.

Survey completed August 7, 1913.

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

Applicant for listing Louis Freestone

Residence Vernal, Utah.

Application No. 36, dated August 9, 1909.
Application No. 108 dated,

List No. 4-232, dated September 24, 1909.
List No. 4-1975, dated April 10, 1916.

Applicant for survey Louis Freestone

Residence Vernal, Utah.

H. E. No. 02805, dated June 7, 1910.

Land ~~district~~ Office Vernal. ~~Uintah.~~

8-2310

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger, (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 42, in ~~un~~surveyed Section 36, Township 2 South, Range 22 East, ~~surveyed~~ Section ....., Township ....., Range .....,

&

of the Salt Lake Base meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Lester E. Hitchcock
Rodman

Albert R. Hardy
Head Chainman

L. Roop
Rear Chainman

Subscribed and sworn to before me this 7 day of August, 1913.

John C. Brown
Forest Ranger, (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 29, 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. 4-232, dated September 24 1909, for patent and list No. 11-19,75 dated April 10, 1916, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 42, situated within the Ashley National Forest, in ~~un~~surveyed Section 36, Township 2 S, Range 22 E, and ~~surveyed~~ Section ....., Township ....., Range .....,

&

of the Salt Lake Basemeridian, Utah, 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.

John C. Brown
Forest Ranger, (Surveyor)

Subscribed and sworn to before me this 29th day of June, 1914.

SEAL

Geo. W. Goshen
Notary Public

Form 35
Sect No. 1
(Ed July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 42

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 36, unsurveyed, Township 2 S, Range 22 E.,

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Louis Freestone

Residence Vernal, Utah

Application No. 36, dated August 9, 1909

List No. 4-232, dated September 24, 1909

Applicant for survey Louis Freestone

Residence Vernal, Utah

H. E. No. 02805, dated June 7, 1910

Land ~~District Uintah~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated July 29, 1913

Survey commenced June 14, 1915

Survey completed June 15, 1915

Under Acts of June 11, 1906; June 30, 1914.

S—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 42, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Albert Ashland (Chainman)

Subscribed and sworn to before me this 15th. day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 29, 1913, 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 patent, No. 4-232, dated Sept. 24, 1909, for, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 42, situated within the Ashley National Forest, in
un surveyed Section 36, Township 2 S., Range 22 E., and
surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 19th day of February, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

COMPOSITE SURVEY

Louis Freestone, applicant for listing, Application No. 36, dated August 9, 1909. Application No. 108, dated --

Special Instructions dated July 29, 1913, for H. E. Survey No. 42.

Claim situated in unsurveyed Section 36, Township 2 South, Range 22 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913 and June 30, 1914.

W. B. RICE, FOREST EXAMINER

Survey commenced June 14, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 14, 1915; at Cor. 3 of this survey, at 8 h. 12 m., P. M., l. m. t., I backsight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, and turn 28° 42' to the right and observe Polaris in position.

U. C. Polaris, June 15, 1915 - - -	7 h. 58.6 m., A. M.
Longitude Correction - - - - - - -	0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - -	7 h. 57.4 m., A. M.

Chains

L. m. t., obsn., June 14, 1915 - - - 8 h. 12 m., P. M.

Subtract from - - - - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - - - - 3 h. 48 m.

Add to - - - - - - - - - - - - - - - - - 7 h. 57.4 m.

Argument - - - - - - - - - - - - - - - - 11 h. 45.4 m.

Azimuth of Polaris = N. 0° 05' E.

Bearing of reference object = N. 28° 37' W.

Latitude = 40° 36' N.) By account along surveyed
Longitude = 109° 23' 45" W.) section lines.

June 14, 1915; at the same station, at 8 h. 27 m., P. M., l. m. t., I backsight on the same reference object, and turn 28° 48' to the right to Polaris in position.

Latitude and Longitude previously stated.

U. C. Polaris, June 15, 1915 - - - 7 h. 58.6 m., A. M.

Longitude Correction - - - - - - - - 0 h. 01.2 m.

L. m. t., U. C. Polaris - - - - - 7 h. 57.4 m., A. M.

L. m. t., obsn., June 14, 1915 - - 8 h. 27 m., P. M.

Subtract from - - - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - - 3 h. 33 m.

Add to - - - - - - - - - - - - - - - - - 7 h. 57.4 m.

Argument - - - - - - - - - - - - - - - - 11 h. 30.4 m.

Azimuth of Polaris = N. 0° 11' E.

Bearing of reference object = N. 28° 37' W.

The mean of these two observations is N. 28° 37' W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 26' E.

RETRACEMENT

Beginning at the ¼ cor. on the W. boundary of Sec. 31,

Chains	
	T. 2 S., R. 23 E. (survey accepted), which is a red sandstone, firmly set, showing 12 ins. above ground, mkd. ¼ on the W. face, I run
	Thence
	North
	On a random line, along the W. boundary of Sec. 31.
39.71	Fall 6 lks. E. of the cor. of Secs. 30 and 31, T. 2 S., R. 23 E. (survey accepted), which is a sandstone, firmly set, showing 12 ins. above ground, mkd. with 1 notch on the S. and 5 notches on the N. face, and witnessed by two cedar bearing trees, as described by the Sur. Gen.
	Beginning at the cor. of Secs. 30 and 31, heretofore described, I run
	Thence
	S. 0° 05' E.,
	On a true line along the W. boundary of Sec. 31.
30.45	Set temporary stake for Cor. 4 of this survey.
39.71	To the ¼ cor. on the W. boundary of Sec. 31, heretofore described.
	Beginning at the ¼ cor. on the W. boundary of Sec. 31, heretofore described, I run
	Thence
	South
	On a random line, along the W. boundary of Sec. 31.
39.05	Fall 9 lks. W. of the cor. of Secs. 6 and 31, Tps. 2 and 3 S., R. 23 E. (survey accepted), which is a red sandstone, firmly set, showing 12 ins. above ground, mkd. with 6 notches on the N., S. and E. faces, and witnessed by a mound of stone to the W., and

Chains	
	additionally, by two bearing trees.
	Beginning at the cor. of Secs. 6 and 31, heretofore described, I run
	Thence
	N. 0° 08' W.,
	On a true line, along the W. boundary of Sec. 31.
39.05	To the ¼ cor. on the W. boundary of Sec. 31, heretofore described.
	Beginning at the cor. of Secs. 6 and 31, heretofore described, I run
	Thence
	South
	On a random line along the W. boundary of Sec. 6, T. 3 S., R. 23 E. (survey accepted).
8.87	Fall 14 lks. E. of the cor. of Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E. (survey accepted), which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen.
	Beginning at the cor. of Secs. 1 and 36, heretofore described, I run
	Thence
	N. 0° 55' E.,
	On a true line along the W. boundary of Sec. 6.
8.87	To the cor. of Secs. 6 and 31, heretofore described.
	BEGINNING AT COR. 1 of this survey, identical with the cor. of Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E. (survey accepted), heretofore described, I mark the

Chains	
	stone with a cross (x) on the top for Cor. 1 of this survey, and alongside to the W. I set a lime-stone, 24 x 10 x 7 ins., 14 ins. in the ground; mkd. 1-HES-42 on the side facing the claim.
	Cor. H-1 and the Forest Service Monument, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S. 33° 40' W., 1.08 chs. dist.
	Thence N. 0° 55' E.,
	On a true line, along the W. boundary of Sec. 6, T. 3 S., R. 23 E. (survey accepted).
	Over rolling land, through pinon and juniper.
6.00	Dry wash, course SW.
8.87	To Cor. 2, identical with the cor. of Secs. 6 and 31, Tps. 2 and 3 S., R. 23 E. (survey accepted), heretofore described. I mark the stone with a cross (x) on top for Cor. 2 of this survey, and alongside to the W. set a sandstone, 25 x 15 x 6 ins., 15 ins. in the ground, mkd. 2-HES-42 on the W. face.
	Thence N. 0° 08' W.,
	On a true line along the W. boundary of Sec. 31, T. 2 S., R. 23 E. (survey accepted)
	Over rolling land, through pinon and juniper.
18.00	Dry wash, course SW.
18.80	Wood road, bears E. and W.
30.00	Descend; leave pinon and juniper, enter sagebrush bears NE. and SW.
39.05	To Cor. 3, about 100 ft. below point of descent, identical with the ¼ cor. on the W. boundary of Sec. 31, T. 2 S., R. 23 E. (survey accepted), heretofore

Chains	
	described. I mark the stone with a cross (x) on top for Cor. 3 of this survey, and alongside to the W. set a sandstone, 24 x 15 x 4 ins., 14 ins. in the ground, mkd. 3-HES-42 on the W. face.
	Thence N. 0° 05' W.,
	On a true line along the W. boundary of Sec. 31, T. 2 S., R. 23 E. (survey accepted); over level sagebrush land.
4.00	Leave sagebrush, enter pinon and juniper, bears NW. and SE.
	Ascend.
9.26	To Cor. 4 of this survey, about 100 ft. above point of ascent, previously mkd. by temporary stake, in place of which I set a sandstone, 24 x 15 x 12 ins., 14 ins. in the ground, mkd. CC 4-HES-42 on the W. face and a cross (x) on top, for closing corner and Cor. 4 of this survey; and raise a mound of stone, 5 ft. base, 4 ft. high, on the closing line, W., 3½ ft. dist. Pits impracticable.
	Cor. H-2 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears W., 6 lks. dist. I destroy it and its witnesses.
	I also mark this corner 1-HES-43, on the NW. face, for Cor. 1 of H. E. S. No. 43 (unapproved).
	June 15, 1915.
	JOHN C. BROWN, FOREST RANGER
	RETRACEMENT
	Beginning at the cor. of Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E. (survey accepted), which is a sandstone,

Chains	
	firmly set, mkd. and witnessed as described by the Sur. Gen., I run
	Thence West
	On a random line between Secs. 1 and 36.
40.22	Fall 8 lks. N. of the ¼ cor. between Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E. (survey accepted), which is a sandstone, firmly set, mkd. ¼ on the S. face, UFR on the N. face, and witnessed by a mound of stone.
	Beginning at the ¼ cor. between Secs. 1 and 36, heretofore described, I run
	Thence N. 89° 53' E.,
	On a true line between Secs. 1 and 36.
40.22	To the cor. of Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E., heretofore described.
	August 6, 1913.
	Beginning at Cor. 1 of H. E. S. No. 43 (unapproved), heretofore described, Cor. 4 of H. E. S. No. 43 being in sight, I run
	Thence West
	On a true line along the S. boundary of H. E. S. No. 43.
15.26	Point for Cor. 5 of this survey.
30.06	To Cor. 4 of H. E. S. No. 43 (unapproved), which is a sandstone, firmly set, mkd. 4-HES-43 on the NE. face and a cross (x) on the top, and witnessed by a mound of stone and one bearing rock.
	August 7, 1913.

Chains	
	Thence West
	Along line 1-4 of H. E. S. No. 43 (unapproved).
	Cross face of rocky sandstone hill.
9.00	Descend.
9.50	Base of cliff, about 50 ft. below point of descent.
10.00	Cor. H-3 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen. I destroy it and its witnesses.
	Cor. H-4 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S., 10.00 chs. dist. I destroy it and its witnesses.
	Leave List No. 4-232, enter List No. 4-1975.
	Cross Little Brush Creek Canyon.
10.10	Road bears NW. and SE.
11.40	Irrigation ditch, 3 lks. wide, 4 ins. deep, course SE.
13.40	Brush Creek, 10 lks. wide, 4 ins. deep, flows SE.
15.26	To Cor. 5, face of perpendicular sandstone cliff, about 80 ft. high, mkd. X-5-HES-42 for Cor. 5 of this survey. No bearing objects available. Pits and mound impracticable.
	Cor. 4 of H. E. S. No. 43 (unapproved), a sandstone, firmly set, showing 10 x 17 x 6 ins. above ground, mkd. 4-HES-43 on the NE. face and a cross (x) on top, bears W., 14.80 chs. dist.
	Thence S. 23° 22' W.,
	Across sandstone cliffs.
10.89	Cor. H-5 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., beans West, 42 lks. dist. I destroy it and its witness.

Chains	
	Leave List No. 4-1975, enter List No. 4-232.
11.94	Leave List No. 4-232, enter List No. 4-1975.
32.00	Leave cliffs, enter sagebrush flat, bears N. and S.
40.30	Cor. H-6 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears East, 11.27 chs. dist. I destroy it and its witnesses.
	Cor. H-7 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears West, 8.73 chs. dist. I destroy it and its witnesses.
	Leave List No. 4-1975, enter List No. 4-232.
44.72	To Cor. 6, for which I set a sandstone, 24 x 16 x 10 ins., 14 ins. in the ground, mkd. 6-HES-42 on the side facing the claim, and a cross (x) on top, for Cor. 6 of this survey, from which
	A juniper, 9 ins. in dia., blazed and scribed X-6-HES-42-BT, bears S. 4° 53' E., 105 lks. dist.
	A juniper, 14 ins. in dia., blazed and scribed X-6-HES-42-BT, bears N. 79° 21' W., 183 lks. dist.
	Thence S. 5° 30' E.
	Across rolling sand-hills.
12.50	Road to Verndl bears NE. and SW.
14.40	Dry wash, course NE.
16.40	To Cor. 7 on the S. boundary of Sec. 36, T. 2 S., R. 22 E. (survey accepted), for which I set a sandstone, 19 x 16 x 8 ins. (stone of larger dimensions not available), 14 ins. in the ground, mkd. CC on the N. face, 7-HES-42 on the side facing the claim, and a cross (x) on the top, for closing corner and Cor. 7 of this survey. Dig pits, 30 x 24 x 12ins.,

Chains	
	crosswise on the township line, N. 89° 53' E. and S. 89° 53' W., 4 ft. dist., and dig a pit, 30 x 24 x 12 ins., on the closing line, N. 5° 30' W., 8 ft. dist.; and raise a mound of earth and stone, 5 ft. base, 2½ ft. high, on the closing line, N. 5° 30' E., 3½ ft. dist.
	A juniper, 10 ins. in dia., blazed and scribed X-7-HES-42-BT, bears S. 56° 21' E., 224 lks. dist.
	A double juniper, 10 ins. in dia., blazed and scribed X-7-HES-42-BT, bears N. 20° 08' E., 329 lks. dist.
	No other bearings available.
	The ¼ cor. between Secs. 1 and 36, Tps. 2 and 3 S., R. 22 E., heretofore described (survey accepted), bears S. 89° 53' W., 8.82 chs. dist.
	Cor. H-8 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S. 89° 53' W., 8.82 chs. dist. I destroy it and its witnesses.
	Thence
	N. 89° 53' E.,
	On a true line along the S. boundary of Sec. 36. Over level land, through sagebrush.
5.80	Little Brush Creek, 10 lks. wide, 4 ins. deep, flows S.
	Leave sagebrush, enter cultivation, bears N. and S.
	Cross Little Brush Creek flat.
25.30	Dry wash, 50 lks. wide, 8 ft. deep, course S.
	Leave cultivation, enter sagebrush, bears N. and S.
27.40	Base of boulder strewn hill; leave sagebrush, enter pinon and juniper, bears N. and S.
	Ascend.
31.40	To Cor. 1, the place of beginning, about 50 ft. above point of ascent.

Chains

AREA

Area in List No. 4-232: 129.48 acres
Area in List No. 4-1975: 22.17 "
Total area of H. E. S. No.42: 151.65 acres

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

Two room log cabin, 24 x 24 ft., the SW. cor. of which bears from Cor. 4, S. 71° 00' E., 6.85 chs. dist.

Value $100.00

One room log granary, 14 x 14 ft., the middle of which bears from Cor. 4, S. 76° 20' E., 6.90 chs. dist.

Value $ 40.00

Stable, 16 x 16 ft., the middle of which bears from Cor. 4, S. 80° 00' E., 5.95 chs. dist.

Value $ 40.00

Pig pen, 10 x 10 ft., the middle of which bears from Cor. 4, S. 82° 00' E., 5.70 chs. dist.

Value $ 15.00

Open feed stalls, 40 x 12 ft., course of long sides NW. and SE., the SW. cor. of which bears from Cor. 4, S. 82° 30' E., 5.25 chs. dist.

Value $ 30.00

Corral, 50 ft. dia., the center of which bears from Cor. 4, N. 79° 45' E., 5.30 chs. dist.

Value $ 30.00

Hay derrick, the middle of which bears from Cor. 4, N. 80° 00' E., 6.30 chs. dist.

Value $ 20.00

Chains			
	About 3/4 mile of fencing.	Value	$ 90.00
	About 3/4 mile of ditching.	Value	$ 75.00
	Total value of improvements.		$440.00

DESCRIPTION

This claim is situated on a flat in Little Brush Creek Canyon. It is bounded on the east by rocky bench land, covered with juniper; on the west by more or less barren sandstone ledges and cliffs; on the north the land narrows to an opening between unscalable sandstone cliffs; on the south it opens out towards a flat. Two-thirds of the claim is good agricultural land and has been put under cultivation. The crops raised are hay, grain, hardy fruits and garden truck. The soil is a rich, sandy loam. Water for irrigation is obtained through a ditch from Little Brush Creek. Approximate elevation by aneroid barometer, 5,500 ft. above sea level. The road from the upper end of the canyon to Vernal crosses this claim. Vernal, Utah, the nearest settlement, lies about 12 miles to the southwest. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of the survey. No other claims or patented land conflicting. Line 4-5 of this survey adjoins line 1-4 of H. E. S. No. 43 (unapproved). The S. and E. lines of this survey coincide with the boundary lines of the Ashley National Forest.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer,

Chains

myself, the required affidavit of the assistants.

August 7, 1913.

John C. Brown
Forest Ranger.

June 15, 1915.

W. B. Rice
Forest Examiner.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

	Chains		Origins

Blank

Page

Chains

COMPUTATION SHEET

Direct Solar Observation at Cor. 1.

Latitude = 40° 35' 32" N.)
) By account from G. L. O. plats.
Longitude = 109° 23' 46" W.)

August 6, 1913.

9 h. 14 m., A. M., l. m. t.

	Horz. Angle	Vert. Angle
(1)	109° 09'	45° 24'
(2)	111° 08'	46° 56' 30"

True altitude (1) 45° 23' 03" and (2) 46° 55' 36".

Declination = 16° 45' 33"

$$\text{Cos. A.} = \frac{\text{Sin. decl.}}{\text{Cos. alt. x cos. lat.}} - (\text{Tan. alt. x tan. lat.})$$

Cos. A. = - 0.32779 (1)

Azimuth of sun = S. 70° 51' 55" E. (1)

Bearing of reference (Solar) = N. 0° 00' 55" W. (1)

Cos. A. = - 0.36050 (2)

Azimuth of sun = S. 68° 52' 09" E. (2)

Bearing of reference (Solar) = N. 0° 00' 09" W. (2)

Mean bearing = N. 0° 00' 32" W.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

	Chains		Chains

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 42, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	N. 0° 55' E.	8.87	8	87				14			66	08	586	79		
2 - 3	N. 0° 08' W.	39.05	39	05						08	66	13	2584	36		
3 - 4	N. 0° 05' W.	9.26	9	26						01	66	03	612	10		
4 - 5	West	15.26		01					15	26	50	76		51		
5 - 6	S. 23° 22' W.	44.72			41	05			17	74	17	75			727	93
6 - 7	S. 5° 30' E.	16.40			16	32	1	57			1	57			25	61
7 - 1	N. 89° 53' E.	31.40		06			31	40			34	54	2	76		
		164.96	57	24	57	37	33	11	33	09			3786	52	753	54
					57	24	33	09					753	54		
	Errors:					13		02					20)3032	98		
			57	32	57	32	33	11	33	11		Area	151	65	Acres	

Error in Closure = $\frac{1}{1254}$

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 42, STATE OF Utah (Area of List 4-232 included)

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	N. 0° 55' E.	8.87	8	87				14			66	08	586	13		
	N. 0° 08' W.	39.05	39	05						08	66	14	2582	77		
	N. 0° 05' W.	9.26	9	26						01	66	05	611	62		
	West	10.00							10	00	56	04				
	South	10.00			10	00					46	04			460	40
	West	9.58							9	58	36	46				
	S. 23° 22' W.	1.05				96				42	26	46			25	40
	South	25.90			25	90					26	04			674	44
	West	11.27							11	27	14	77				
	S. 23° 22' W.	4.42			4	06			1	75	1	75			7	11
	S. 5° 30' E.	16.40			16	32	1	57			1	57			25	62
	N. 89° 53' E.	31.40		06			31	40			34	54	2	07		
		177.20	57	24	57	24	33	11	33	11			3782	59	1192	97
									33	11			1192	97		
	Errors:									01			20)2589	62		
												Area	129	48	Acres	
	~~Error of Closure~~ = $\frac{1}{177.20}$															

Blank

Page

Form 85
Sheet No. 4

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 42 situated in Ashley National Forest, in unsurveyed Section 36, Tp.2 S., R.22 E., of the Salt Lake Base and Meridian, Utah; Louis Freestone, claimant,

executed by John C. Brown, Forest Ranger; W.B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated July 29, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

G.N.

HOMESTEAD ENTRY SURVEY NO. 43

SITUATED IN THE

Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Sections 25, 36 unsurveyed, Township 2 S., Range 22 E.

of the

Salt Lake Base & Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger

Under special instructions dated July 29, 19 13

Survey commenced August 10, 19 13

Survey completed August 10, 19 13

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

Applicant for listing Roger F. Goodman

Residence Vernal, Utah

Application No. 42, dated January 21, 1910

Application No. 109, dated

List No. 4-638, dated January 30, 1911

List No. 4-1976 dated April 4, 1916

Applicant for survey Roger F. Goodman

Residence Vernal, Utah

H. E. No. 04136, dated October 26, 1911

Land ~~district~~ Office Vernal ~~Utah~~

8—2319

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 43, in unsurveyed Sections 25-36, Township 2 S., Range 22 E., surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base & meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Lester E. Hitchcock
Mound & Rear Chainman.

Albert A. Hardy
Rod & Head Chainman.

Subscribed and sworn to before me this 10 day of August, 1913.

John C. Brown
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 29, 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. 4-638, dated Jan. 30, 1911, land in list No. 4-1976, dated April 4, 1916 for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 43, situated within the Ashley National Forest, in unsurveyed Sections 25-36 Township 2 S., Range 22 E., and surveyed Section ....., Township ....., Range .....,

of the Salt Lake B. & meridian, Utah, 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.

John C. Brown
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL.

Geo. W. Goshen
Notary Public

8-2249

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 43

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 25, unsurveyed, Township 2 S., Range 22 E.,
and 36

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Roger F. Goodman

Residence Vernal, Utah

Application No. 42, dated January 21, 1910
Application No. 109, dated
List No. 4-638, dated January 30, 1911
~~List No. 4-1976, dated~~ April 4, 1916.

Applicant for survey Roger F. Goodman

Residence Vernal, Utah

H. E. No. 04136, dated October 26, 1911

Land ~~District~~ Office ~~Uintah~~ Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated July 29, 1913

Survey commenced June 14, 1915

Survey completed June 15, 1915

Under Acts of June 11, 1906; June 30, 1914.

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 43, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 15th day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated July 29, 1913, 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 No. 4-1976, dated April 4 1916, and
List, No. 4-638, dated Jan. 30, 1911, for
listing and patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 43,
situated within the Ashley National Forest, in
unsurveyed Sections 25-36, Township 2 S., Range 22 E., and
surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 19th day of February, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

COMPOSITE SURVEY

Roger F. Goodman, applicant for listing, Application No. 42, dated January 21, 1910. Also Application No. 109, for land to be listed on the initiative of the Forest Service.

Special Instructions dated July 29, 1913, for H. E. Survey No. 43.

Claim situated in unsurveyed Sections 25 and 36, Township 2 South, Range 22 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913 and June 30, 1914.

W. B. RICE, FOREST EXAMINER

Survey commenced June 14, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 14, 1915; at the ¼ cor. on the W. boundary of Sec. 31, T. 2 S., R. 23 E. (survey accepted), hereafter described, at 8 h. 12 m., P. M., l. m. t., I back-sight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, and turn 28° 42' to the right and observe Polaris in position.

U. C. Polaris; June 15, 1915 - - - 7 h. 58.6 m., A. M.

Chains

Longitude Correction - - - - - - - - 0 h. 01.2 m.

L. m. t., U. C. Polaris - - - - - - 7 h. 57.4 m., A. M.

L. m. t., obsn., June 14, 1915 - - 8 h. 12 m., P. M.

Subtract from - - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - - 3 h. 48 m.

Add to - - - - - - - - - - - - - - - - 7 h. 57.4 m.

Argument - - - - - - - - - - - - - - - 11 h. 45.4 m.

Azimuth of Polaris = N. 0° 05' E.

Bearing of reference object = N. 28° 37' W.

Latitude = 40° 36' N.) By account along surveyed
Longitude = 109° 23' 45" W.) section lines.

June 14, 1915; at the same station, at 8 h. 27 m., P. M., l. m. t., I backsight on the same reference object, and turn 28° 48' to the right to Polaris in position Latitude and Longitude previously stated.

U. C. Polaris, June 15, 1915 - - - 7 h. 58.6 m., A. M.

Longitude Correction - - - - - - - - 0 h. 01.2 m.

L. m. t., U. C. Polaris - - - - - - 7 h. 57.4 m., A. M.

L. m. t., obsn., June 14, 1915 - - 8 h. 27 m., P. M.

Subtract from - - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - - 3 h. 33 m.

Add to - - - - - - - - - - - - - - - - 7 h. 57.4 m.

Argument - - - - - - - - - - - - - - - 11 h. 30.4 m.

Azimuth of Polaris = N. 0° 11' E.

Bearing of reference object = N. 28° 37' W.

The mean of these two observations is N. 28° 37' W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 26' E.

Chains

RETRACEMENT

Beginning at the ¼ cor. on the W. boundary of Sec. 31, T. 2 S., R. 23 E. (survey accepted), which is a red sandstone, firmly set, showing 12 ins. above ground, mkd. ¼ on the W. face, I run

Thence

North

On a random line, along the W. boundary of Sec. 31.

39.71 Fall 6 lks. E. of the cor. of Secs. 30 and 31, T. 2 S., R. 23 E. (survey accepted), which is a sandstone, firmly set, showing 12 ins. above ground, mkd. with 1 notch on the S. and 5 notches on the N. face, and witnessed by two cedar bearing trees, as described by the Sur. Gen.

Beginning at the cor. of Secs. 30 and 31, heretofore described, I run

Thence

S. 0° 05' E.,

On a true line along the W. boundary of Sec. 31.

30.45 Set temporary stake for Cor. 1 of this survey.

39.71 To the ¼ cor. on the W. boundary of Sec. 31, heretofore described.

BEGINNING AT COR. 1 of this survey, previously mkd. by temporary stake, in place of which I set a sandstone, 24 x 15 x 12 ins., 14 ins. in the ground, mkd. CC on the W. face, 1-HES-43 on the side facing the claim, and a cross (x) on the top, for Cor. 1 of this survey; and raise a mound of stone, 5 ft. base, 4 ft. high, on the closing line, W., 3½ ft.

Chains

dist. Pits impracticable.

I also mark this Cor. 4-HES-42 on the W. face for Cor. 4 of H. E. S. No. 42 (unapproved).

Cor. H-2 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears W., 6 lks. dist. I destroy it and its witnesses.

I check the meridian projected by John C. Brown, Forest Ranger, from Cor. 1 of H. E. S. No. 42, and find it correct within 02' of arc.

JOHN C. BROWN, FOREST RANGER

Survey commenced August 10, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, equipped with Burt Solar attachment, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with Lufkin 2-chain steel tape and stadia, using Philadelphia leveling rod fitted with two targets having verniers reading to .001 ft.

I test the stadia interval against the steel tape, and find that 1 ft. intersected on the rod is equal to 2 chs. dist. from the center of the transit.

I examine the adjustments of the transit, finding all adjustments correct.

August 10, 1913; I project the meridian established by me August 6, 1913, at Cor. 1 of H. E. S. No. 42 (which survey adjoins this claim), and described in my field notes of that survey, to Cor. 1 of this survey, and from said meridian I determine the courses of the boundaries of this survey.

Chains	
	Latitude = 40° 36' 09" N.) At Cor. 1 Longitude = 109° 23' 46" W.)
	Mean Magnetic Declination = 16° 26' E.
	Thence N. 31° 47' W.,
	Across boulder strewn hill, through juniper.
26.00	Brow of hill.
	Descend rocky hillside.
28.00	Bottom of hill, about 80 ft. below point of descent.
	Across sagebrush flat.
34.00	Ascend rocky ridge, through scattering juniper.
39.00	Top of rocky ridge, about 50 ft. above point of ascent.
	Descend.
43.00	Bottom of rocky ridge, about 50 ft. below point of descent.
	Across flat.
52.11	To Cor. 2, identical with Cor. H-1 and FSM of listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., and identical with Cor. 1 of H. E. S. No. 41 (unapproved), established by me, a sandstone, firmly set, mkd. 1-HES-41 on the NW. face and a cross (x) on the top. I destroy the listing corner and mark the last described stone 2-HES-43 on side facing this claim for Cor. 2 of this survey; and raise a mound of stone, 4 ft. base, 2 ft. high, West, 3½ ft. dist.
	A juniper, 5 ins. dia., blazed and scribed X-2-HES-43-BT, bears S. 47° 49' E., 60 lks. dist.
	A juniper, 5 ins. dia., blazed and scribed X-1-HES-41-BT, bears N. 15° 45' W., 105 lks. dist.
	I destroy the witness to the listing corner.
	Fences bear N. 10° 00' W., S. 69° 50' W. and S. 68° 30' E.

Chains	
	Thence S. 86° 13' W.,
	Along line 1-6 of H. E. S. No. 41
	Over level sagebrush land.
0.40	Ditch, 3 lks. wide, 3 ins. deep, flows SE.
0.42	Leave sagebrush, enter cultivated land, bears NW. and SE.
	Across cultivated land.
7.17	Road bears NW. and SE.
10.77	Leave cultivated land, enter sagebrush, bears NW. and SE.
10.87	Bank of Little Brush Creek; descend about 15 ft. to stream bed.
11.57	Water course, 8 lks. wide, 5 ins. deep, flows SE.
12.17	Ascend bank of Little Brush Creek, about 15 ft.
	Across brush flat.
16.57	Fence bears N. 27° 30' W. and S. 27° 30' E.
21.77	To Cor. 3, identical with Cor. H-4 of listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., and identical with Cor. H-6 of H. E. S. No. 41 (unapproved), established by me, a sandstone, firmly set, surrounded with a mound of stone, mkd. 6-HES-41 on NE. face, with cross (x) on top. I mark the stone 3-HES-43 on side facing this claim, for Cor. 3 of this survey. Dig pits, 24 x 24 x 12 ins., crosswise on this and succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A juniper, 10 ins. dia., blazed and scribed X-3-HES-43-BT, bears S. 31° 03' E., 325 lks. dist.
	No other bearing objects available.
	I destroy the witness to the listing corner.
	Thence S. 24° 03' E.,

Chains	
	Leave List No. 4-638; enter List No. 4-1976.
0.20	Descend slope of dry drainage.
0.75	Dry drainage, course E., about 12 ft. below point of descent.
	Ascend slope of drainage.
2.40	Bottom of sandstone hill, about 40 ft. above point of ascent; continue ascent.
6.00	Top of sandstone ridge, about 100 ft. above point of ascent.
	Descend sandstone ridge.
15.00	Bottom of sandstone ridge, about 50 ft. below point of descent.
15.40	Dry drainage, course E.
16.00	Road bears E. and W.
	Across brush flat.
28.00	Across sandstone ridge.
38.00	Leave sandstone ridge.
	Across brush flat.
46.94	To Cor. 4; I set a sandstone, 30 x 17 x 6 ins., 20 ins. in the ground, mkd. 4-HES-43 on side facing the claim, with cross (x) on top, for Cor. 4 of this survey. Dig pits, 24 x 24 x 12 ins., crosswise on this and succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	The face of perpendicular sandstone cliff, mkd. 4-HES-43-BR, bears W., 58 lks. dist.
	Thence East
	Across brush flat.
10.06	I am unable to find any trace of Cor. H-3 of List No. 4-638. Leave List No. 4-638, enter List No. 4-1976.
11.40	Descend about 15 ft. to bed of Little Brush Creek.

Chains	
11.80	Water course, 12 lks. wide, 6 ins. deep, flows S.
	Across bed of Creek.
13.60	Same water course, 10 lks. wide, 7 ins. deep, course NE.
13.70	Top of sandstone cliff, about 80 ft. high.
14.80	Cor. 3 of H. E. S. No. 42 (unapproved), established by me; E. face of sandstone cliff mkd. 3-HES-42 with cross (x).
	Along line 3-2 of H. E. S. No. 42 (unapproved).
15.60	Water course of Little Brush Creek, 10 lks. wide, 7 ins. deep, flows SE.
	Across bed of creek.
18.00	Ascend about 20 ft. to bank of creek.
18.60	Irrigation ditch, 3 lks. wide, 4 ins. deep, flows SE.
19.00	Fence bears S. 75° 00' W., 40 lks. to end of fence, and N. 75° 00' E., 160 lks. to end of fence, at face of cliff.
19.90	Road bears NW. and SE.
20.50	Face of sandstone cliff, mkd. with cross (x) on this line.
	Ascend sandstone cliff about 50 ft.
21.00	Top of sandstone cliff.
	Across face of rock strewn sandstone hill.
30.06	To Cor. 1, the place of beginning.

August 10, 1913.

AREA

Area in List No. 4-638:	92.95 acres
Area in List No. 4-1976:	21.58 "
Total area of H. E. Survey No. 43:	114.53 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

Two room frame house, 18 x 18 ft., the N. gable of which bears from Cor. 2, S. 6° 49' E., 16.00 chs.

Chains

dist. Value $150.00

One room frame house, 14 x 14 ft., the middle of which bears from Cor. 2, S. 9° 00' E., 16.10 chs. dist.

Value $ 75.00

Shed roof, 12 x 14 ft., course of long sides E. and W., the middle of which bears from Cor. 2, S. 16.10 chs. dist.

Value $ 10.00

Pole corral, about 60 ft. in dia., the center of which bears from Cor. 2, S. 13° 00' E., 17.00 chs. dist.

Value $ 40.00

Total value of improvements. $275.00

DESCRIPTION

This claim is situated in Little Brush Creek Canyon. It is bounded on the east and west by irregular sandstone ridges and cliffs. About 2/3 of the claim is good agricultural land, but only a small part of this has been put under cultivation. Water for irrigation may be obtained from Little Brush Creek; however, the quantity is limited. The soil is a clayish sandy loam. Approximate elevation by aneroid barometer 5,650 ft. above sea level. The canyon road crosses the claim from north to south; the road to Vernal leaves the claim on the west. Vernal is about 14 miles to the southwest. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Line 2-3 adjoins line 1-6 of H. E. S. No. 41 (unapproved) on the north

Chains

of this survey, and part of line 4-1 adjoins line 4-5 of H. E. S. No. 42 (unapproved) on the south of this survey.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

August 10, 1913.

John C. Brown.
Forest Ranger.

June 15, 1915.

W. B. Rice.
Forest Examiner.

3. In calculations of latitudes 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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 43, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. NORTH.		LATITUDES. SOUTH.		DEPARTURES. EAST.		DEPARTURES. WEST.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			44	31					27	46						
1 - 2	N. 31° 47' W.	52.11	44	30					27	45	70	90	3141	58		
2 - 3	S. 86° 13' W.	21.77			1	44			21	72	21	72			31	28
3 - 4	S. 24° 03' E.	46.94			42	87	19	13			19	12			819	67
4 - 1	East	30.06					30	06			68	30				
		150.88	44	30	44	31	49	19	49	17			3141	58	850	95
					44	30	49	17					850	95		
	Errors:					01		02					20)2290	63		
			44	31	44	31	49	18	49	18		Area	114	53	Acres	

Error of Closure = $\frac{1}{6748}$

Blank

Page

3. In calculations of latitudes the 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.

BOOK A-430

8—2119

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 43, STATE OF Utah. Area in List No. 4-638.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	N. 31° 47' W.	52.11	44	30					27	45	70	89	3140	43		
	S. 86° 13' W.	21.77			1	44			21	72	21	72			31	28
	S. 34° 14' E.	51.84			42	86	29	17			29	17			1250	23
	East	20.00					20	00			78	34				
			44	30	44	30	49	17	49	17			3140	43	1281	51
													1281	51		
													20)1858	92		
												Area	92	95	Acres	

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

September 21, 1916.

The foregoing field notes of Homestead Entry Survey No. 43, situated in Ashley National Forest, in unsurveyed Secs.25 and 36, T.2 S., R.22 E., of the Salt Lake Base and Meridian, Utah; Roger F. Goodman, claimant;

executed by John C.Brown,Forest Ranger;and W.B.Rice, Forest Examiner. [Forest Service Title.] under his special instructions, dated July 29, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

m 85
t No. 1
uly 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 50

SITUATED IN THE SEVIER NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 24-25 unsurveyed, portion of Township 36 S, Range 5 W.
and Section 19, unsurveyed, Township 36 S., Range 4½ W.

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing Miss Gertrude Porter

Residence Hatch, Utah.

Application No. 7, dated October 11, 1910

List No. 4-654, dated February 2, 1911

Applicant for survey Samuel B. Riggs

Residence Hatch, Utah

H. E. No. 08100, dated June 7, 1911

Land ~~District Utah~~ Office. Salt Lake

Survey executed by Angus M. Woodbury, Surveyor, Forest Service
[Forest Service Title.]

Under special instructions dated August 12, 1913

Survey commenced August 26, 1913

Survey completed May 28, 1915

Under Acts of June 11, 1906; March 4, 1913; June 30, 1914.

8—2349

[OVER]

70
70

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 50, in the State of Utah 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

(Signed) DAVID O. WOODBURY
(Chainman)

(Signed) SAM CLARK
(Chainman)

Subscribed and sworn to before me this 28th day of May, 1915.

(Signed) ANGUS M. WOODBURY
Surveyor
Forest Service.

OATH OF SURVEYOR

I, Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated August 12, 1913, 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 patent, No. 4-654, dated Feb. 2, 1911, for, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 50, situated within the Sevier National Forest, in unsurveyed Sections 24-25, Township 36 S., Range 5 W., and unsurveyed Section 19, Township 36 S., Range 4½ W.,

of the Salt Lake Base and meridian, Utah, 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.

(Signed) ANGUS M. WOODBURY
Surveyor, Forest Service.
[Forest Service Title.]

Subscribed and sworn to before me this 19th day of February, 1916.

SEAL

(Signed) GEO. W. GOSHEN
Notary Public.

Chains

Miss Gertrude Porter, applicant for listing, Application No. 7, dated October 11, 1910. Samuel B. Riggs, entryman and present claimant, H. E. 08100, Salt Lake Series, made June 7, 1911.

Special Instructions for H. E. Survey No. 50, dated August 12, 1913.

Authority contained in the Acts of June 11, 1906, March 4, 1913 and June 30, 1914.

Claim situated in unsurveyed portions of Secs. 24 and 25, T. 36 S., R. 5 W. and unsurveyed Sec. 19, T. 36 S., R. 4½ W., Salt Lake Base and Meridian.

Survey commenced August 26, 1913, and executed with a Gurley Light Mountain Transit, equipped with a Burt Solar attachment, the horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc.

Measurements made with a 2-chain Lufkin steel tape.

August 26, 1913; I examine the adjustments of the transit, finding all adjustments correct.

About 9 h., P. M., l. m. t., at Cor. H-1 of the listing survey, a gray sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., I commence observing the eastern progress of Polaris. When the Star begins to recede, I mark the maximum position in Azimuth upon the ground.

Latitude = 37° 39' N.)
) From State map.
Longitude = 112° 24½' W.)

August 27, 1913; I lay off the Azimuth of Polaris 1° 27' to the west of the line of observation, and to the corresponding meridian all the courses of this survey are referred.

HOMESTEAD ENTRY SURVEY NO. 50

SEVIER NATIONAL FOREST

2. STATE OF UTAH.

Chains

At 8 h. 30 m., A. M., apparent time, at the same statio
I observe the altitude of the sun for Azimuth.

Altitude (apparent)	Horizontal Angle (sun to left
(1) 35° 55'	106° 30'
(2) 36° 30'	107° 07'

From these observations, I calculate the bearing of the previously determined meridian, as (1) N. 0° 00' 26" W. and (2) N. 0° 01' 26" W. The mean of these is N. 0° 00' 56" W., or within 00' 56" of the established meridian.

Mean Magnetic Declination = 16° 02' E.

RETRACEMENT.

Retracements made with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers placed opposite each other, and reading to single minutes of arc.

Measurements made with a 2-chain steel tape and clinometer.

I examine the adjustments of the transit, finding them all correct.

Beginning at the cor. of Secs. 25, 26, 35 and 36, T. 35 S., R. 5 W. (survey accepted), a sandstone, firmly set, showing 8 ins. above ground, mkd. 1 notch on E. and S. edges. I run

Thence

East

Between unsurveyed Secs. 25 and 36.

40.00 To approximate point for ¼ cor. between Secs. 25 and 36,

Chains	
	Thence N. 0° 28' E.,
	On a true line through center of Sec. 25; the ¼ cor. between Secs. 24 and 25 being visible.
20.17	Point for Cor. 4 of H. E. S. No. 50.
81.18	To ¼ cor. between Secs. 24 and 25, a sandstone, firmly set, 8 x 4 ins., showing 8 ins. above ground, mkd. ¼ on N. face.
	Thence N. 0° 28' E.,
	On a random line through the center of Sec. 24.
80.00	To a point in an open valley. After diligent search, I am unable to find the ¼ cor. between Secs. 13 and 24. Therefore, beginning at the cor. of Secs. 13, 18, 19 and 24, T. 36 S., Rgs. 4½ and 5 W., a sandstone, firmly set, showing 8 ins. above ground, mkd. 3 notches on N. and S. edges and witnessed by a mound of stone on W. I run
	Thence West
	On a random line between Secs. 13 and 24.
79.89	Fall 144 lks. S. of the cor. of Secs. 13, 14, 23 and 24, a quartzite stone, firmly set, 4 x 6 ins., showing 6 ins. above ground, mkd. 3 notches on S. edge and 1 notch on E. edge. I run
	Thence S. 88° 58' E.,
	On a true line between Secs. 13 and 24.
39.42	Intersect random line through center of Sec. 24 at 79.50 chs.
39.95	I set a quartzite stone, 16 x 11 x 8 ins., 10 ins. in

Chains	
	the ground, mkd. ¼ on N. face, for ¼ cor. between Secs. 13 and 24, and dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of corner.
79.90	To cor. of Secs. 13, 18, 19 and 24, heretofore described.
	Beginning at the ¼ cor. between Secs. 13 and 24, re-established by me, I run
	Thence S. 0° 51' W.,
	On a true line through center of Sec. 24.
66.06	Point for Cor. 2 of H. E. S. No. 50
79.50	To the ¼ cor. between Secs. 24 and 25, heretofore described.
	May 28, 1915.

H. E. S. NO. 50

BEGINNING AT COR. 1, identical with the ¼ cor. between Secs. 24 and 25, T. 36 S., R. 5 W. (survey accepted), a sandstone, heretofore described, which I mark with a cross (x) on top, for Cor. 1 of this survey, and alongside of which I set a stake, mkd. 1-HES-50.

Thence N. 0° 51' E.,

On a true line through center of Sec. 24.
Over rolling sagebrush land; along fence.

13.44	To Cor. 2, on line between the N. and S. ¼ cors. of Sec. 24; I set a gray sandstone, 25 x 13 x 3 ins.,

Chains

15 ins. in the ground, mkd. 2-HES-50 on side facing the claim, and a cross (+) on top, for Cor. 2 of this survey. No bearings, therefore dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.

Cor. H-2 of the listing survey, a cedar post, showing 3 ft. above ground, mkd. as described by the Sur. Gen., bears E., 7 lks. dist. I destroy it.

The ¼ cor. bet. Secs. 13 and 24, a quartzite stone, heretofore described, bears N. 0° 51' E., 66.06 chs. dist.

Thence

East

Along fence.

41.00 Leave sagebrush, enter pinon and juniper timber, bears N. and S.

42.90 To Cor. 3; I set a gray sandstone, 25 x 12 x 8 ins., 15 ins. in the ground, mkd. 3-HES-50 on side facing the claim, and a cross (+) on top, for Cor. 3 of this survey; raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.

A pinon, 14 ins. dia., bears S. 1° 19' E., 64 lks. dist.

A pinon, 10 ins. dia., bears S. 41° 52' W., 65 lks. dist.

Both mkd. 3-HES-50-BT.

Fence bears E. and W.

Cor. H-3 of the listing survey, a sandstone showing 10 ins. above ground, mkd. and witnessed as described by the Sur. Gen., bears E. 94 lks. dist. I destroy it and its witnesses.

Thence

S. 30° 20' W.,

Along edge of valley, through pinon and juniper.

HOMESTEAD ENTRY SURVEY NO. 50

Sevier NATIONAL FOREST

STATE OF Utah.

Chains	
1.00	Wash 10 lks. wide, 3 ft. deep, course W.
4.00	Leave timber, enter sagebrush, bears N. and S.
22.00	Leave sagebrush, enter cultivation, bears NW. and SE.
30.00	Leave cultivation, enter sagebrush, bears E. and W.
49.40	Wash 20 lks. wide, 6 ft. deep, course N. 60° 00' W.
59.60	SE. cor. of claimant's house bears W., 105 lks. dist.
59.70	Fence bears NE. and SW.
61.00	SE. cor. claimant's corral bears W. 10 lks. dist.
61.10	Fence bears NW. and SE.
86.31	To Cor. 4, on the east line of the W½ of Sec. 25, I set a yellow sandstone, 30 x 15 x 5 ins., 20 ins. in the ground, mkd. 4-HES-50- on side facing the claim and a cross (+) on top, for Cor. 4 of this survey. No bearings, therefore dig pits, 24 x 24 x 12 ins., crosswise on line on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2½ ft. high, 3½ ft. dist. within the clai
	Cor. H-1 of the listing survey, heretofore described, bears E., 9 lks. dist. I destroy it and its witnesses, which were not suitable for witnesses for this survey.
	The approximate point for the ¼ cor. bet. Secs. 25 and 36 bears S. 0° 28' W., 20.17 chs. dist.
	Fence bears E. and N. 0° 28' E.
	Thence
	N. 0° 28' E.,
	On true line along east side of the W½ of Sec. 25.
	Over rolling sagebrush land. Along fence.
46.00	Wash, 20 lks. wide, 6 ft. deep, course NW.
50.75	Leave sagebrush, enter cultivation, bears E. and W.
55.90	Leave cultivation, enter sagebrush, bears E. and W.
61.01	To Cor. 1, the place of beginning.

Chains

AREA.

Area of H. E. Survey No. 50 = 159.99 acres.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

Two room frame house, 14 x 20 ft., course of long sides N. 30° 00' W. and S. 30° 00' E., the NE. cor. of which bears from Cor. 4, N. 27° 50' E., 26.62 chs. dist. 4

	Value	$ 75.00
Corral, 40 x 20 ft.	Value	$ 40.00
Pigpen, chicken coop, slab stable, 12 x 16 ft.,	Value	$ 25.00
About 1 mile of barb wire fence.	Value	$125.00
Total value of improvements.		$265.00

DESCRIPTION.

This claim lies on the east side of Panguitch Valley, on an open sagebrush flat at the mouth of a small canyon opening into the valley, containing an alluvial soil several feet deep. There is no timber on the claim, except a small amount of scattering juniper. No mineral or indications of mineral were found on the claim. There are approximately 21 acres of land under cultivation.

Changes in boundary at Cors. 2 and 4 to place these corners on the center line of Secs. 24 and 36. Change at Cor. 3 to reduce area to statutory limit.

Ray Porter's homestead joins this claim on the West.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 50

SEVIER NATIONAL FOREST

8. STATE OF UTAH.

Chains	
	It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants. May 28, 1915. (Signed) ANGUS M. WOODBURY Surveyor, Forest Service.

Chains

COMPUTATIONS.

Solar Observations.

August 27, 1913.

At 8 h. 30 m., A. M., apparent time.

Latitude = 37° 39' N.

Longitude = 112° 24½' W.

Declination = 10° 08' 21" N.

OBSERVATION 1.

Apparent Altitude = 35° 55'

Refraction = 01' 19"

True Altitude = 35° 53' 41"

Cos. Azm. = + 0.27446 - 0.55836 = - 0.28390

Bearing of sun = S. 73° 30' 26" E.

Horizontal Angle (from the sun to the left) = 106° 30'

Bearing of Polaris Meridian = N. 0° 00' 26" W.

OBSERVATION 2.

Apparent Altitude = 36° 30'

Refraction = 01' 18"

True Altitude = 36° 28' 42"

Cos. Azm. = + 0.27651 - 0.57043 = - 0.29392

Bearing of sun = S. 72° 54' 26" E.

Horizontal Angle (from the sun to the left) = 107° 07'

Bearing of Polaris Meridian = N. 0° 01' 26" W.

Mean = N. 0° 00' 56" W.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 50, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	N. 0° 51' E.	13.44	13 44		20		1 20	16 13	
2 - 3	East	42.90	0 00		42 90		44 30	44	
3 - 4	S. 30° 20' W.	86.31		74 47		43 60	43 60		3246 89
4 - 1	N. 0° 28' E.	61.01	61 01		50		50	30 51	
	Totals	203.66	74 45	74 49	43 60	43 59		47 08	3246 89
				74 45	43 59				47 08
	Errors:			04	01				20)3199 81
			74 47	74 47	43 60	43 60		Area	159 99 Acres

Error of Closure = $\frac{1}{4939}$

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 30, 1916.

The foregoing field notes of Homestead Entry Survey No. 50, situated in the Sevier National Forest, in unsurveyed portions of Tp. 36 S., Rs. 4½ and 5 W., of the Salt Lake Base and Meridian, Utah; Samuel B. Riggs, claimant,

executed by Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] under his special instructions, dated August 12, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

L. O. Thorsen
U. S. Surveyor General.

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

8—2340

U. S. Surveyor General.

Blank

Page

orm 85
et No. 1
July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 53

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 3, unsurveyed, Township 2 N, Range 20 E.

of the

Salt Lake Base & Meridian.

State of

Utah.

Applicant for listing Hyrum W. Droubay

Residence Salt Lake City, Utah

Application No. 2, dated August 9, 1906

List No. 4-617, dated October 23, 1907

Applicant for survey Hyrum W. Droubay

Residence Salt Lake City, Utah.

H. E. No. 057, dated July 20, 1908

Land ~~District~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated August 19, 1913

Survey commenced June 19, 1915

Survey completed June 20, 1915

Under Acts of June 11, 1906; June 30, 1914.

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 53, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 20th day of June, 1915.

W B Rice.
Forest Examiner

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated August 19, 1913, 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

, No. 617, dated Oct. 23, 1907, for the same patent, under the Act of June 11, 1906, to be known as Homestead Entry Survey No. 53, situated within the Ashley National Forest, in
NW surveyed Section 3, Township 2 N., Range 20 E., and
surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W B Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 18th day of January, 1916.

SEAL.

Geo. W. Gosher
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 53

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains.

Hyrum W. Droubay, applicant for listing. Application No. 2, dated August 9, 1906.

Special Instructions dated August 19, 1913, for H. E. S. No. 53.

Claim situated in unsurveyed Sec. 3, Township 2 North, Range 20 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 19, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite to each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape.

Measurements taken directly on the slope and reduced to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 19, 1915; at Cor. 1 of this survey, at 9 h. 23 m., P. M., l. m. t., I backsight on a reference stake, firmly set, centered with a tack, 5 chs. dist., from my station, and turn 35°. 31' 30" to the right to Polaris in position.

Latitude = 40° 56' N.) By account from surveyed
Longitude = 109° 39' W.) section lines.

U. C. Polaris, June 20, 1915 - - - - - -	7 h. 39 m., A. M.
Longitude correction - - - - - - - - - -	0 h. 1.2 m.
L. m. t., U. C. Polaris - - - - - - - - -	7 h. 37.8 m., A.M.
L. m. t. obsn., June 19 - - - - - - - - -	9 h. 23 m., P. M.
Subtract from - - - - - - - - - - - - - -	12 h. 00 m.
	2 h. 37 m.
Add to - - - - - - - - - - - - - - - - -	7 h. 37.8 m.
Argument - - - - - - - - - - - - - - - -	10 h. 14.8 m.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 53

ASHLEY NATIONAL FOREST

-2. STATE OF UTAH.

Chains

Azimuth of Polaris = N. 0° 39' 15" E.

Bearing of reference stake = N. 34° 52' 15" W.

June 19, 1915; at the same station, at 9 h. 27 m., P.M., l. m. t., I. backsight on the reference stake, previously described, and turn 35° 33' to the right to Polaris in position.

Latitude and longitude previously stated.

U. C. Polaris, June 20, 1915	7 h. 39 m., A.M.
Longitude correction	0 h. 1.2 m.
L. m. t., U. C. Polaris	7 h. 37.8 m., A.M.
L. m. t. obsn., June 19, 1915	9 h. 27 m., P.M.
Subtract from	12 h. 00 m.
	2 h. 33 m.
Add to	7 h. 37.8 m.
Argument	10 h. 10.8 m.

Azimuth of Polaris = N. 0° 40' 45" E.

Bearing of reference stake = N. 34° 52' 15" W.

June 20, 1915; I lay off 34° 52' 15" to the right from the reference stake, and to this meridian all courses of this survey are referred.

Mean Mag. Decl. = 17° 45' E.

- -

BEGINNING AT COR. 1; set a limestone, 24 x 14 x 3 ins., 14 ins. in the ground, marked 1-HES-53 on side facing the claim, with cross (x) on top, for Cor. 1 of this survey; raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim. Pits impracticable. No bearing objects available. The cor. of Secs. 2, 3, 34 and 35, Tps. 2 and 3 N., R. 20 E., which is a limestone, firmly set, mkd. and

Chains	
	witnessed as described by the Sur. Gen., bears N. 26° 34' E., 44.72 chs. dist. This cor. being in sight, I run the tie direct.
	Thence N. 89° 58' W.,
	Across sagebrush flat.
14.00	Draw; trail bears N. and S.
18.78	Road bears NE. and SW.
27.00	Dry drainage, course SE.
40.00	To Cor. 2; I set a cedar post, 8 ins. dia., 3 ft. long, 24 ins. in the ground, blazed and scribed 2-HES-53 on side facing the claim, with cross (x) on top, for Cor. 2 of this survey; raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A juniper, 14 ins. dia., blazed and scribed X-2-HES-53-BT, bears N. 73° 39' E., 21 lks. dist.
	No other available bearing object. Pits impracticable.
	Thence S. 0° 05' W.,
	Over rolling sagebrush land.
22.51	Road bears NE. and SW.
29.20	Cor. H-1 of List 1581 (and will be identical with Cor. 1 of H. E. S. No. 54), a sandstone marked and witnessed as described by the Sur. Gen.
	Along line 1 - 7 of H. E. S. No. 54.
37.00	Edge of bench land.
	Descend.
39.36	To Cor. 3, about 40 ft. below point of descent, identical with Cor. H-7 of List 1581, (and will be identical with Cor. 7 of H. E. S. No. 54), a sandstone marked and witnessed as described by the Sur. Gen., in

Chains

place of which I set a sandstone, 24 x 16 x 8 ins., 14 ins. in the ground, marked 3-HES-53 on side facing the claim, with cross (x) on top, for Cor. 3 of this survey; raise a mound of stone 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim. Pits impracticable. No bearing objects available.

The witness used for Cor. H-7 of List No. 1581 was not suitable for a bearing object for this survey.

Thence

N. 89° 59' E.,

Along line 7 - 6 of List No. 1581

Along base of slope, through sagebrush

2.50. Trail bears NE. and SW.

12.40 Sheep Creek, 40 lks. wide, 15 ins. deep, flows NE.

20.40 Sheep Creek, 35 lks. wide, 16 ins. deep, flows SE.

21.13 To Cor. 4, identical with Cor. H-6 of List No. 1581, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 15 x 8 ins., 14 ins. in the ground, for Cor. 4 of this survey, mkd. 4-HES-53 on side facing the claim, with cross (x) on top, for Cor. 4 of this survey; raise a mound of stone, 4 ft. base, 4 ft. high, 3½ ft. dist., within the claim. Pits impracticable. No bearing objects available.

The witness used for Cor. H-6 of List No. 1581 was not suitable for a bearing object for this survey.

Thence

S. 88° 23' E.,

Ascend over sagebrush land.

18.79 To Cor. 5, about 40 ft. above Cor. 4, set a limestone, 26 x 20 x 5 ins., 16 ins. in the ground, marked

Chains

5-HES-53 on side facing the claim, and a cross (x) on top, for Cor. 5 of this survey; raise a mound of stone, 4 ft. base, 4 ft. high, 15 ft. dist., within the claim and on the brow of hill. Pits impracticable.

No bearing objects available.

Thence

N. 0° 23' E.,

Over rolling sagebrush land.

39.91 To Cor. 1, the place of beginning.

AREA.

Total area of H. E. S. No. 53: 157.80 acres.

IMPROVEMENTS.

No improvements were found on this claim.

DESCRIPTION.

This claim is situated in Sheep Creek Canyon, and is located on a small divide between the Sheep Creek and Green River drainage. Nothing in the way of cultivation or improvement has ever been done on the claim. The soil of the NW. portion appears to be a rich, reddish loam, while that of the SE. is a light colored, clayish, sandy loam. The native vegetation is a low sage and rabbit brush, with a little grass. At some expense, water from Sheep Creek could be put on the land. The road crossing the claim is the only one through the Canyon. Approximate elevation by aneroid barometer 6000 ft. above sea level, which is about 160 ft.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 53

ASHLEY NATIONAL FOREST

6. STATE OF UTAH.

Chains

higher than Green River and about 60 ft. higher than Sheep Creek at their nearest points.

Linwood, Utah, is the nearest post office and supply point, about 4 miles north, but more than twice this distance by road. The north side of Sheep Creek Canyon is an impassable cliff, 500 or more feet in height. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Line 3-4 and part of line 2-3 of this survey adjoin lines 7-6 and 1-3, respectively, of List No. 1581. (Will be H. E. S. No. 54).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer myself, the required affidavit of the assistants.

Post used for Cor. 2, there being no stone of the required dimensions available.

Survey completed June 20, 1915.

W. B. Rice.
Forest Examiner.

The corrections for latitudes and departures should be proportional to the length 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.

BOOK A-430

1—30

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 53, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	N. 89° 58' W.	40.00		1 02					40	63 40 00	40	21		40		
2 - 3	S. 0° 03' W.	39.33			39	39 36				39 06		00			3	54
3 - 4	N. 89° 59' E.	21.13		00 01			21	11 13			21	11				
4 - 5	S. 88° 23' E.	18.79				54 53	18	79 78			60	99			32	93
5 - 1	N. 0° 23' E.	39.91	39	40 91				27			80	00	3192	00		
		159.19	39	94	39	89	40	18	40	06			3192	40	36	47
			39	89			40	06					36	47		
	Errors:			05				12					20 3155	93		
												Area	157	80	Acres	
			39	91	39	91	40	13	40	12						
	Error of Closure = $\frac{1}{1224}$															

Blank

Page

Form 85
Not No. 4

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 30, 1916.

The foregoing field notes of Homestead Entry Survey No. 53, situated in the Ashley National Forest, in approximate section 3, unsurveyed, T. 2 N., R. 20 E., Salt Lake Base and Meridian, Utah, Hyrum W. Droubay, Claimant,

executed by W. B. Rice, Forest Examiner, [Forest Service Title.]
under his special instructions, dated August 19, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A. O. Thorsen
U. S. Surveyor General.

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

U. S. Surveyor General.

8—2349

Blank

Page

Form 83
Rev. No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 54

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 3,4 unsurveyed, Township 2 N., Range 20 E.
9 and 10.

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing William N. Riggs

Residence Linwood, Utah.

Application No. 1 , dated October 25 , 1907

List No. 4-1581 , dated May 4 , 1908

Applicant for survey A. O. Neilson

Residence Linwood, Utah.

H. E. No. 0752 , dated February 6 , 1909

Land ~~District~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner.
[Forest Service Title.]

Under special instructions dated August 19 , 1913

Survey commenced June 20 , 1915

Survey completed June 21 , 1915

Under Acts of June 11, 1906; June 30, 1914.

E—2349

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 54, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 21 st. day of June, 1915.

W. B. Rice.
Forest Examiner

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated August 19, 1913, 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

patent, No. 1581, dated May 4, 1908, for the same to be known as Homestead Entry Survey No. 54, under the Act of June 11, 1906, situated within the Ashley National Forest, in ~~un~~surveyed Sections 3, 4, 9, 10, Township 2 N., Range 20 E., and surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 18th day of January, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 54

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

William N. Riggs, applicant for listing; Application No. 1, dated October 25, 1907. Entryman and present claimant, A. O. Neilson.

Special Instructions dated August 19, 1913, for H. E. Survey No. 54.

Claim situated in unsurveyed Sections 3, 4, 9 and 10, Township 2 North, Range 20 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 20, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite to each other, and reading to single minutes of the arc.

Measurements made with Lufkin 2-chain steel tape.

Measurements taken directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 20, 1915; I project the meridian established by me at Cor. 1 of H. E. S. No. 53, and described in my field notes of H. E. S. No. 53, to Cor. 1 of this survey, and to this meridian all courses of this survey are referred.

June 20, 1915; at Cor. 1 of this survey, at 9 h. 20 m., P. M., l. m. t., I observe Polaris in position and mark the direction of the line of sight by a stake, firmly set, centered with a tack, 5 chs. dist., from my station.

Latitude = 40°55'45" N. } By account from surveyed
Longitude = 109°39½' W. } sec. lines.

HOMESTEAD ENTRY SURVEY NO. 54

ASHLEY NATIONAL FOREST

.2. STATE OF UTAH.

Chains

U. C. Polaris, June 21, 1915 - - - - - 7 h. 35.1 m., A.M.
Longitude correction - - - - - - - - - - 1.2
7 h. 33.9 m.
L. m. t. obsn., June 20 - - - - - - - - 9 h. 20 m.
Subtract from - - - - - - - - - - - - - 12 h. 00 m.
2 h. 40 m.
Add to - - - - - - - - - - - - - - - - - 7 h. 33.9 m.
Argument - - - - - - - - - - - - - - - - 10 h. 13.9 m.
Azimuth of Polaris = N. 0° 39' 30" E.

June 21, 1915; I lay off the Azimuth of Polaris 0° 39' 30" to the west and mark the meridian thus determined by a stake, firmly set, centered with a tack, 5 chs. dist., from my station.

This meridian agrees within 01' of arc with the meridian as determined by projection from Cor. 1 of H. E. S. No. 53.

Mean Mag. Decl. = 17° 45' E.

RETRACEMENT.

Beginning at Cor. 2 of H. E. S. No. 53, which is a cedar post, firmly set, properly mkd. and witnessed by one bearing tree, I run

Thence

S. 0° 05' W.,

On a true line to Cor. 3 of H. E. S. No. 53.

29.20 Cor. 1 of List No. 1581, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen.

39.36 To Cor. 3 of H. E. S. No. 53, which is a sandstone, firmly set, mkd. 3-HES-53 on the NE. face, and a cross (x) on the top, and witnessed by a mound of stone NE. of cor.

June 20, 1915

HOMESTEAD ENTRY SURVEY NO. 54

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

Beginning at Cor. H-7 of List No. 1093, which is a quartzite boulder, mkd. and witnessed as described by the Sur. Gen., Cor. H-2 being in sight, I run

Thence

S. 0° 38' W.,

On a true line along the E. bdy. of List No. 1093.

15.32 Cor. H-1 of List No. 1093, identical with Cor. H-3 of List No. 1581, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen.

20.44 To Cor. H-2 of List No. 1093, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen.

June 21, 1915.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-1 of the listing survey (on line 2-3 of H. E. S. No. 53), a sandstone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a cedar post, 3 ft. long, 7 ins. dia., 2 ft. in the ground, over broken glass, for Cor. 1 of this survey, blazed and scribed 1-HES-54 on side facing the claim, with cross (x) on top; raise a mound of limestone shale, 3 ft. base, 3 ft. high, 5 ft. dist., within the claim. Pits impracticable. No bearing objects available.

I destroy the witness to the listing corner, which was not suitable for a bearing object for this survey.

The ¼ cor. on the S. bdy. of Sec. 34, T. 3 N., R. 20 E., which is a stone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears N. 16° 04' E., 72.02 chs. dist., by traverse (computations of

Chains

which are hereto attached), as follows:

N. 0° 05' E., 29.20 chs.

N. 26° 27' E., 44.68 chs.

Cor. 2 of H. E. S. No. 53, heretofore described, bears N. 0° 05' E., 29.20 chs. dist.

Thence

S. 65° 37' W.,

Over rolling sagebrush land.

4.80 Wash, 30 lks. wide, 20 ft. deep, course SE.

10.30 Wagon road to Linwood, Utah, bears NE. and SW.

Across broken, hilly ground at foot of impassable cliff.

61.03 To Cor. 2, identical with Cor. H-2 of listing survey, a sandstone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 12 x 10 ins., 14 ins. in the ground, marked 2-HES-54 on side facing the claim, with a cross (x) on top, for Cor. 2 of this survey; raise a mound of stone, 3 ft. base, 3 ft. high, 5 ft. dist., within the claim.

A juniper, 12 ins. dia., blazed and scribed X-2-HES-54-BT, bears S. 53° 21' W., 56 lks. dist.

No other suitable bearing objects available. Pits impracticable.

I destroy the witnesses to the listing corner.

Thence

S. 0° 38' W.,

4.97 Cor. H-7 of List 1093 (and will be identical with Cor. 1 of H. E. S. No. 55), a boulder, heretofore described

Along line 1-2 of H. E. S. No. 55.

6.00 Sheep Creek, 45 lks. wide, 18 ins. deep, flows NE.

6.20 End of fence, which bears S. 0° 38' W.

HOMESTEAD ENTRY SURVEY NO. 54

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains	
	Along fence.
15.60	Fence cor., from which fences bear N. 0° 38' E. and N. 74° 00' E.
17.50	Road bears NE. and SW.
20.29	To Cor. 3, identical with Cor. H-3 of the listing survey, and identical with Cor. H-1 of List 1093, a sandstone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a limestone, 26 x 12 x 4 ins., 16 ins. in the ground, for Cor. 3 of this survey; marked 3-HES-54 on side facing the claim, with cross (x) on top. No bearings, therefore dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	Cor. H-2 of List 1093 (and will be identical with Cor. 2 of H. E. S. No. 55), a sandstone, heretofore described, bears S. 0° 38' W., 5.12 chs. dist.
	I destroy the witnesses to the listing cor., which were not suitable for bearing objects for this survey.
	Thence N. 65° 45' E.,
	Across rolling sagebrush hills.
35.40	Dry gulch, course NW.
59.37	To Cor. 4, identical with Cor. H-4 of listing survey, a sandstone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I mark on a sandstone boulder in place, 4 x 3 x 1 ft. above ground, alongside of listing cor., 4-HES-54 on side facing claim, with cross (x) on top, for Cor. 4 of this survey; raise a mound of stone, 4 ft. base, 4 ft. high, 10 ft. dist., within the claim Pits impracticable. No bearing objects available.

Chains

I destroy the witness to the listing cor., which was not suitable as a bearing object for this survey.

Thence

N. 87° 51' E.,

Across rough mountain side, through sagebrush

23.05 To Cor. 5, identical with Cor. H-5 of listing survey, a sandstone, firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 28 x 16 x 4 ins., 18 ins. in the ground, supported by a mound of stone; marked 5-HES-54 on side facing the claim, with cross (x) on top, for Cor. 5 of this survey; raise a mound of stone, 5 ft. base, 4 ft. high, 5 ft. dist., within the claim. Pits impracticable. No bearing objects available.

I destroy the witnesses to the listing cor., which were not suitable for bearing objects for this survey.

Thence

N. 0° 05' W.,

Descend steep mountain side.

5.00 Foot of hill, and bottom of Sheep Creek Canyon; about 150 ft. below Cor. 5.

9.15 Sheep Creek, 45 lks. wide, 16 ins. deep, flows SE.

10.11 To Cor. 6, identical with Cor. 4 of H. E. S. No. 53, a sandstone, 24 x 16 x 8 ins., set 14 ins. in the ground, marked 4-HES-53 on NE. face, and a cross (x) on the top; I mark the stone 6-HES-54 on side facing this claim, for Cor. 6 of this survey. No bearings; raise a mound of stone, 4 ft. base, 4 ft. high, 3½ ft. dist., within this claim. Pits impracticable.

Cor. 4 of H. E. S. No. 53 was set identical with listing Cor. H-6 of this survey, and the listing corner

Chains	
	destroyed.
	I destroy the witness to the listing cor., which was not suitable for a bearing object for this survey.
	Thence
	S. 89° 59' W.
	Along line 4-3 of H. E. S. 53
0.73	Sheep Creek, 35 lks. wide, 18 ins. deep, flows SE.
	Across gravelly creek bottom.
8.73	Sheep Creek, 40 lks. wide, 16 ins. deep, flows NE.
	Along foothills through underbrush.
18.63	Trail bears NE. and SW.
21.13	To Cor. 7, identical with Cor. 3 of H. E. S. No. 53, a sandstone, 24 x 16 x 8 ins., set 14 ins. in the ground, marked 3-HES-53 on NE. face, and a cross (x) on the top. I mark the stone 7-HES-54 on side facing this claim, for Cor. 7 of this survey. No bearings; raise a mound of stone, 3 ft. base, 3 ft. high, 4 ft. dist., within this claim. Pits impracticable.
	Cor. 3 of H. E. S. No. 53 was set identical with Cor. H-7 of the listing survey, and the listing corner destroyed.
	I destroy the witnesses to the listing corner, which were not suitable for bearing objects for this survey.
	Thence
	North
	Along line 3-2 of H. E. S. 53.
	Ascend steep hillside
2.60	Top of bench, about 60 ft. above Cor. 7
10.16	To Cor. 1, the place of beginning.
	AREA.
	Total area of H. E. S. No. 54: 135.15 acres.

Chains

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

2-room lumber house, 24 x 24 ft., course of long sides E. and W., the middle of which bears from Cor. 2, S. 43° 37' E., 11.00 chs. dist.

Value $ 300.00

3-room log cabin, 30 x 12 ft., course of long sides E. and W., the middle of which bears from Cor. 2, S. 62° 45' E., 15.70 chs. dist.

Value $ 50.00

Lumber stable, 27 x 18 ft., course of long sides N. and S., the middle of which bears from Cor. 2, S. 55° 50' E., 15.20 chs. dist.

Value $ 75.00

Log stable, 18 x 12 ft., course of long sides N. and S., the middle of which bears from Cor. 2, S. 53° 16' E., 15.70 chs. dist.

Value $ 40.00

Wire corral, 42 x 36 ft., course of long sides E. and W., middle of which bears from Cor. 2, S. 46° 16' E., 15.70 chs. dist.

Value $ 20.00

About ¼ mile of fencing, Value $ 30.00

About ½ mile of ditching, Value $ 100.00

Total value of improvements: $ 615.00

DESCRIPTION.

This claim is situated in the bottom of Sheep Creek Canyon; is bounded on the north by an impassable cliff and on the south by high, rolling mountain

Chains

side. Approximate elevation by aneroid barometer 5,895 ft. above sea level. Linwood, Utah, about 4 miles north (about 8 miles by road), is the nearest post office. The soil is a sandy loam; plenty of water available for irrigation. About 1/3 of this claim is under cultivation. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Lines 6-7 and 7-1 of this survey are common to lines 4-3 and part of 3-2 of H. E. S. No. 53; line 2-3 of this survey is common to part of line 1-2 of H. E. S. No. 55.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

On account of an impassable cliff to the north of this claim, it was not practicable to make the tie to the nearest corner of the public survey.

Post used for Cor. 1, there being no available stone of the required dimensions.

Survey completed June 21, 1915.

W. B. Rice,
Forest Examiner.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

BOOK A-430

8—2340

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 54, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
					25	21			55	66						
1 - 2	S. 65° 37' W.	61.03			25	20			55	59	56	14			1415	29
										24						
2 - 3	S. 0° 38' W.	20.29			20	28				22		24			4	87
			24	37			54	07								
3 - 4	N. 65° 45' E.	59.37	24	38			54	13			54	07	1317	69		
							23	00								
4 - 5	N. 87° 51' E.	23.05		86			23	03			131	14	112	78		
										02						
5 - 6	N. 0° 05' W.	10.11	10	11						01	154	12	1558	15		
									21	15						
6 - 7	S. 89° 59' W.	21.13				01			21	13	132	95			1	33
								00								
7 - 1	N. 0° 05' E.	10.16	10	16				01			111	80	1135	89		
		205.14	45	51	45	49	77	17	76	95			4124	51	1421	49
			45	49			76	95					1421	49		
	Errors:			02				22					20) 2703	02		
												Area	135	15	Acres.	
			45	50	45	50	77	07	77	07						

Error of Closure = $\frac{1}{928}$

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 54, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	Tie from Cor. 1 to the ¼ cor. on the S. bdy. of Sec. 34, T. 3 N., R. 20 E.								
	N. 0° 05' E.	29.20	29 20			04			
	N. 26° 27' E.	44.68	40 00		19 90				
			69 20		19 94				
		N. 16° 04' E., 72.02 chs.							

1 112
F
Sh

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 30, 1916

The foregoing field notes of Homestead Entry Survey No. 54, situated in the Ashley National Forest, in approximate sections 3, 4, 9 and 10, unsurveyed, T. 2 N., R. 20 E., Salt Lake Base and Meridian, Utah, A. O. Neilson, Claimant,

executed by — W. B. Rice, Forest Examiner,
[Forest Service Title.]
under his special instructions, dated — August 19 —, 1913, 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 , has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

8—2349

Blank

Page

Form 85
Ext No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 55

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 8 and 9, unsurveyed, Township 2 N., Range 20 E.,

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing Edward W. Clark

Residence Salt Lake City, Utah.

Application No. 7, dated September 14, 1906

List No. 1093, dated March 3, 1908

Applicant for survey John Clarence Riggs

Residence Linwood, Utah.

H. E. No. 04104, dated September 6, 1911

Land ~~District~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner,
[Forest Service Title.]

Under special instructions dated August 19, 1913

Survey commenced June 21, 1915

Survey completed June 22, 1915

Under Acts of June 11, 1906; June 30, 1914.

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 55, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 22nd. day of June, 1915.

W. B. Rice.
Forest Examiner

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated August 19, 1913, 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

, No. 1093, dated March 3, 1908, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 55, situated within the Ashley National Forest, in un surveyed Sections 8, 9, Township 2 N., Range 20 E., and surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 18th day of January, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 55

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains	
	Edward W. Clark, applicant for listing, Application No. 7, dated September 14, 1906.
	Entryman and present claimant, John Clarence Riggs.
	Special Instructions dated August 19, 1913, for H. E. Survey No. 55.
	Claim situated in unsurveyed Sections 8 and 9, Township 2 North, Range 20 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.
	Authority contained in the Acts of June 11, 1906 and June 30, 1914.
	Survey commenced June 21, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.
	Measurements made with a Lufkin 2-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.
	I examine the adjustments of the transit, finding all adjustments correct.
	June 21, 1915; I project the meridian established by me at Cor. 1 of H. E. S. No. 54, and described in my field notes of H. E. S. No. 54, to Cor. 1 of this survey, and to this meridian all courses of this survey are referred.
	June 21, 1915; at Cor. 1 of this survey, at 7 h. 57 m., P. M., l. m. t., I observe Polaris in position and mark the direction of the line of sight by a stake, firmly set, centered with a tack, 5 chs. dist. from my station.

Chains

U. C. Polaris, June 22, 1915 - - - 7 h. 31.2 m., A. M.
Longitude Correction - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - 7 h. 30 m., A. M.

L. m. t., obsn., June 21, 1915 - - 7 h. 57 m., P. M.
Subtract from - - - - - - - - - - - 12 h. 00 m.
4 h. 03 m.
Add to - - - - - - - - - - - - - - - 7 h. 30 m.
Argument - - - - - - - - - - - - - - 11 h. 33 m.
Azimuth of Polaris = N. 0° 10' E.

June 22, 1915; I lay off the Azimuth of Polaris 0° 10' to the West, and mark the meridian thus determined by a stake, firmly set, centered with a tack, 5 chs. dist. from my station.

This meridian agrees within 01' of arc with the meridian as determined by projection from Cor. 1 of H. E. S. No. 54.

Latitude = 40° 55½' N.) By account from surveyed
Longitude = 109° 40½' W.) section lines.

Mean Magnetic Declination = 17° 45' E.

RETRACEMENT.

Beginning at Cor. 2 of H. E. S. No. 54 (unapproved), a sandstone, firmly set, mkd. 2-HES-54 on the E. face, and a cross (x) on the top, and witnessed by a mound of stone and one bearing tree, Cor. 3 of H. E. S. No. 54 being in sight, I run,

Thence

S. 0° 38' W.,

On a true line along the W. boundary of H. E. S. No. 54,

Chains	
20.29	To Cor. 3 of H. E. S. No. 54, which is a limestone, firmly set, mkd. 3-HES-54 on the NE. face, with a cross (x) on the top, and witnessed by pits and a mound of stone.

BEGINNING AT COR. 1 of this survey, on line 2-3 of H. E. S. No. 54 (unapproved), identical with Cor. H-7 of the listing survey, which is a boulder, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 30 x 24 x 8 ins., 20 ins. in the ground, mkd. 1-HES-55 on side facing the claim, with cross (x) on top, for Cor. 1 of this survey. Pits impracticable; raise a mound of stone, 3 ft. base, 4 ft. high, 7 ft. dist., within the claim.

A juniper, 8 ins. dia., blazed and scribed X-1-HES-55-BT, bears N. 83° 59' E., 29 lks. dist.

No other bearings available.

I destroy the listing corner witnesses.

Cor. 2 of H. E. S. No. 54, established by me, a sandstone, heretofore described, bears N. 0° 38' E., 4.97 chs. dist.

Cor. 3 of H. E. S. No. 54, established by me, a limestone, heretofore described, bears S. 0° 38' W., 15.32 chs. dist.

The ¼ cor. on the S. boundary of Sec. 34, T. 3 N., R. 20 E. (survey accepted), which is a stone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears N. 37° 16' E., 124.85 chs. dist., by traverse (computations of which are hereto attached), as follows:

N. 0° 38' E., 4.97

N. 65° 37' E., 61.03

Chains	
	N. 0° 05' E., 29.20
	N. 26° 27' E., 44.68
	Thence
	S. 0° 38' W.,
	Along line 2-3 of H. E. S. No. 54 (unapproved).
	Over level sagebrush land.
1.03	Sheep Creek, 45 lks. wide, 18 ins. deep, flows NE.
1.23	End of fence, which bears S. 0° 38' W.
	Along fence.
10.63	Fence corner, from which fences bear N. 0° 38' E. and N. 74° 00' E.
13.03	Road bears NE. and SW.
15.32	Cor. 3 of H. E. S. No. 54, established by me, a limestone, heretofore described. This corner was set in place of H-1 of the listing survey.
20.44	To Cor. 2, identical with Cor. H-2 of listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a limestone, 24 x 12 x 6 ins., 14 ins. in the ground, mkd. 2-HES-55 on side facing the claim, with cross (x) on top, for Cor. 2 of this survey. No bearings; raise a mound of stone, 3 ft. base, 3 ft. high, 7 ft. dist., within the claim. Pits impracticable.
	I destroy the listing corner witnesses, which were not suitable for bearings for this survey.
	Thence
	S. 65° 30' W.,
	Over rolling sagebrush foothills.
1.20	Road bears N. and S.
2.20	Dry drainage, course N.
45.60	Dry drainage of deep gulch, course NE.

HOMESTEAD ENTRY SURVEY NO. 55

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains	
59.92	To Cor. 3, identical with Cor. H-3 of listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a limestone, 26 x 14 x 4 ins., 16 ins. in the ground, mkd. 3-HES-55 on side facing the claim, with cross (x) on top, for Cor. 3 of this survey. No bearings; raise a mound of stone, 3 ft. base, 4 ft. high, 4 ft. dist., within the claim. Pits impracticable.
	I destroy the listing corner witnesses, which were not suitable for bearings for this survey.
	Thence
	N. 88° 35' W.,
	Across rolling sagebrush hills.
1.25	Road bears NW. and SE.
1.70	Dry drainage, course N.
6.10	Dry drainage, course NE.
19.40	Dry drainage, course NE.
20.23	To Cor. 4, identical with Cor. H-4 of the listing survey, and identical with Cor. H-1 of List 1094 (and will be identical with Cor. 4 of H. E. S. No. 56, unapproved), a cedar tree, blazed, scribed and witnessed as described by the Sur. Gen., alongside N. of which I set a cedar post, 3 ft. long, 6 ins. dia., 2 ft. in the ground, mkd. 4-HES-55 on side facing this claim, with cross (x) on top, for Cor. 4 of this survey, from which
	A juniper, 4 ins. dia., blazed and scribed 4-HES-55, bears S. 84° 30' W., 15 lks. dist.
	A juniper, 6 ins. dia., blazed and scribed X-4-HES-55, bears N. 24° 32' W., 33 lks. dist.
	I destroy the listing corner witnesses.

Chains	
	Thence
	N. 0° 18' W.,
	Along line 4-3 of H. E. S. No. 56 (unapproved)
	Over level sagebrush land.
6.40	Road bears NW. and SE.
7.80	Sheep Creek, 50 lks. wide, 18 ins. deep, flows E.
	Leave sagebrush, enter cultivation, bears NW. and SE.
9.30	Leave cultivated land, enter sagebrush, bears NW. and SE.
20.00	To Cor. 5, identical with Cor. H-5 of the listing survey, and identical with Cor. H-6 of List 1094 (and will be identical with Cor. 3 of H1 E. S. No. 56, unapproved), a ledge of sandstone, mkd. and witnessed as described by the Sur. Gen., alongside S. of which I set a sandstone, 30 x 20 x 6 ins., 14 ins. in the ground to bedrock, surrounded with a mound of stone, mkd. 5-HES-55 on side facing this claim, with cross (x) on top, for Cor. 5 of this survey. No bearings; raise a mound of stone, 3 ft. base, 3 ft. high, 4 ft. dist., within the claim. Pits impracticable.
	I destroy the listing corner witnesses, which were not suitable for bearings for this survey.
	Thence
	N. 88° 48' E.,
	Across rough, rocky slope at base of impassable cliff.
20.05	To Cor. 6, identical with Cor. H-6 of listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 18 x 6 ins., 14 ins. in the ground, mkd. 6-HES-55 on side facing the claim, with cross (x) on top, for Cor. 6 of this survey.

Chains

No bearings; raise a mound of stone, 3 ft. base, 3 ft. high, 6 ft. dist., within the claim. Pits impracticable.

I destroy the listing corner witnesses, which were not suitable for bearings for this survey.

Thence

N. 65° 59' E.,

Across rough, rocky broken slope at base of impassable cliff.

60.51 To Cor. 1, the place of beginning.

AREA.

Total area of H. E. Survey No. 55: 154.62 acres.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

Lumber stable, 14 x 12 ft., course of long sides E. and W., the SE. cor. of which bears from Cor. 3, N. 9° 20' W., 13.40 chs. dist.

Value $ 25.00

Cow yard, 36 x 28 ft., the center of which bears from Cor. 3, N. 4° 30' W., 14.20 chs. dist.

Value $ 15.00

Log walls, 16 x 14 ft., course of long sides NW. and SE., the middle of which bears from Cor. 3, N. 1° 45' E., 14.40 chs. dist.

Value $ 20.00

Tent, 16 x 12 ft., course of long sides NW. and SE., the middle of which bears from Cor. 3, N. 3° 00' E., 15.30 chs. dist.

Value $ 15.00

HOMESTEAD ENTRY SURVEY NO. 55

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

Total value of improvements: $ 75.00

DESCRIPTION.

This claim is situated in Sheep Creek Canyon, and is bounded on the north by impassable sandstone cliffs, on the south by broken, high, sloping mountain. Approximate elevation by aneroid barometer 5,925 ft. above sea level. The soil is a sandy loam. Water for irrigation is available from Sheep Creek. A small portion of the land near the west boundary is under cultivation. Linwood, Utah, which is about 4 miles north, is distant 6 to 7 miles by wagon road from this claim. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundary of this survey. No other claims or patented land conflicting. Line 1-2 adjoins part of line 2-3 of H. E. S. No. 54 (unapproved), and line 4-5 is identical with line 4-3 of H. E. S. No. 56 (unapproved).

There being no stone of required dimensions available, use cedar post for Cor. 4,

An impassable cliff 1000 ft. high made it impracticable to tie this survey to the nearest corner of the public survey.

It being impracticable to take my assistants before an officer, qualified to administer oaths, without great inconvenience, delay and expense, I

HOMESTEAD ENTRY SURVEY NO. 55

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

administer, myself, the required affidavit of the assistants.

Survey completed June 22, 1915.

W. B. Rice.

Forest Examiner.

Volume

#

R0430

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains	

Blank

Page

3. In calculations of latitudes 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.

S—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 55, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S. 0° 38' W.	20.44		20 44 (20 47)		23 (26)	150 18		3074 18
2 - 3	S. 65° 30' W.	59.92		24 85 (24 93)		54 52 (54 59)	95 33		2376 58
3 - 4	N. 88° 35' W.	20.23	50 (47)			20 22 (20 25)	20 49	9 63	
4 - 5	N. 0° 18' W.	20.00	20 00 (19 78)			10 (12)	12	2 40	
5 - 6	N. 88° 48' E.	20.05	42 (40)		20 05 (20 03)		20 03	8 01	
6 - 1	N. 65° 59' E.	60.51	24 63 (24 55)		55 27 (55 19)		95 25	2338 39	
		201.15	45 55	45 29	75 32	75 07		2358 43	5450 76
			45 29		75 07				2358 43
	Errors:		26		25				20) 3092 33
			45 40	45 40	75 22	75 22		Area	154 62 Acres
	Error of Closure = 1/558								

Blank

Page

3. In calculations of latitudes 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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 55, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	Tie from Cor. 1 to the ¼ cor. on the S. bdy. of Sec. 34. T. 3 N., R. 20 E.								
	N. 0° 38' E.	4.97	4 97			06			
	N. 65° 37' E.	61.03	25 20		55	59			
	N. 0° 05' E.	29.20	29 20			04			
	N. 26° 27' E.	44.68	40 00		19	90			
			99 37		75	59			
		N. 37° 16' E., 124.85 chs.							

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 30, 1916

The foregoing field notes of Homestead Entry Survey No. 55, situated in the Ashley National Forest, in approximate sections 8 and 9, unsurveyed, T. 2 N., R. 20 E., Salt Lake Base and Meridian, Utah, John Clarence Riggs, Claimant,

executed by — W. B. Rice, Forest Examiner, ——
[Forest Service Title.]
under his special instructions, dated —— August 19 —, 1913, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Set No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 56

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 7 and 8, unsurveyed, Township 2 N., Range 20 E.,

of the

Salt Lake Base & Meridian.

State of

Utah.

Applicant for listing William Schaeffer

Residence Salt Lake City, Utah

Application No. 8, dated September 19, 1906

List No. 1094, dated March 3, 1908

Applicant for survey William N. Riggs

Residence Linwood, Utah

H. E. No. 02892, dated August 1, 1910

Land ~~District~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated August 19, 1915

Survey commenced June 22, 1915

Survey completed June 23, 1915

Under Acts of June 11, 1906; June 30, 1914.

C—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 56, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 23d. day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated August 19, 1913, 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

Patent, No. 1094, dated March 3, 1908, for the same to be known as Homestead Entry Survey No. 56, under the Act of June 11, 1906, situated within the Ashley National Forest, in ~~un~~surveyed Sections 7, 8, Township 2 N., Range 20 E., and surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 18th day of January, 1916.

SEAL.

Geo. M. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 56

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

William Schaeffer, applicant for listing, Application No. 8, dated September 19, 1906.

William N. Riggs, entryman and present claimant.

Special Instructions dated August 19, 1913, for H. E. Survey No. 56.

Claim situated in unsurveyed Sections 7 and 8, Township 2 North, Range 20 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 22, 1915, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 22, 1915; I project the meridian established by me at Cor. 1 of H. E. S. No. 55, and described in my field notes of H. E. S. No. 55, to Cor. 1 of this survey, and to this meridian all courses of this survey are referred.

June 22, 1915; at Cor. 1 of this survey, at 8 h. 10 m., P. M., l. m. t., I observe Polaris in position, and mark the direction of the line of sight by a stake, firmly set, centered with a tack, 5 chs. dist. from my station.

Latitude = 40° 55½' N.) By account from surveyed
Longitude = 109° 42½' W.) section lines.

HOMESTEAD ENTRY SURVEY NO. 56

ASHLEY NATIONAL FOREST

2. STATE OF UTAH.

Chains

U. C. Polaris, June 23, 1915 - - - - 7 h. 27.3 m.,A.M.
Longitude Correction - - - - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - - - 7 h. 26.1 m.

L. m. t., obsn., June 22, 1915 - - - 8 h. 10 m.,P.M.
Subtract from - - - - - - - - - - - - 12 h. 00 m.
3 h. 50 m.
Add to - - - - - - - - - - - - - - - - 7 h. 26.1 m.
Argument - - - - - - - - - - - - - - - 11 h. 16.1 m.
Azimuth of Polaris = N. 0° 16' 30" E.

June 23, 1915; I lay off the Azimuth of Polaris 0° 16' 30" to the West, and mark the meridian thus determined by a stake, firmly set, centered with a tack, 5 chs. dist. from my station.

This meridian agrees within 01' of arc with the meridian as determined by projection from Cor. 1 of H. E. S. No. 55.

Mean Magnetic Declination = 17° 45' E.

BEGINNING AT COR. 1, identical with Cor. H-4 of the listing survey, and Cor. R-3 of Sheep Creek Administrative Site (unsurveyed), a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 16 x 10 ins., 14 ins. in the ground, mkd. 1-HES-56 on side facing the claim, with cross (x) on top, for Cor. 1 of this survey. No bearings; raise a mound of stone, 4 ft. base, 4 ft. high, 6 ft. dist., within the claim. Pits impracticable

I destroy the listing corner witnesses, which were not suitable for bearings for this survey.

Chains

The N. witness cor. to the cor. of Secs. 1, 6, 7 and 12, T. 2 N., Rgs. 19 and 20 E., which is a sandstone, firmly set, mkd. WC on the N. face, 1 notch on the N. face and 5 notches on the S. face, and witnessed by a mound of stone N., bears N. 47° 52' W., 63.47 chs. dist., by traverse and triangulation, computations of which are hereto attached.

Thence

S. 69° 25' E.,

Along base of cliff on north side of Sheep Creek Canyon.

60.79 To Cor. 2, identical with Cor. H-5 of the listing survey, a sandstone ledge, mkd. and witnessed as described by the Sur. Gen., alongside S. of which I set a sandstone, 30 x 22 x 4 ins., 20 ins. in the ground, mkd. 2-HES-56 on side facing the claim, with cross (x) on top, for Cor. 2 of this survey. No bearings; raise a mound of stone, 3½ ft. base, 3 ft. high, 10 ft. dist., within the claim.

I destroy the listing corner witnesses, which were not suitable for bearings for this survey.

Thence

S. 89° 27' E.,

Along base of cliff, across rough, broken ground.

20.19 To Cor. 3, identical with Cor. H-6 of the listing survey, and Cor. 5 of H. E. S. No. 55 (unapproved), established by me, a sandstone, 16 x 20 x 6 ins. above ground, mkd. 5-HES-55 on SE. face, with cross (x) on top; I mark the stone, 3-HES-56 on side facing this claim, for Cor. 3 of this survey.

Listing corner and witnesses were destroyed during the survey of H. E. S. No. 55.

Chains	
	Thence
	S. 0° 18' E.,
	Along line 5-4 of H. E. S. No. 55
10.70	Enter cultivated land, bears NW. and SE.
12.30	Sheep Creek, 50 lks. wide, 18 ins. deep, flows SE.
13.60	Road bears NW. and SE.
20.00	To Cor. 4, identical with Cor. H-1 of the listing survey, and Cor. 4 of H. E. S. No. 55 (unapproved), established by me, a cedar post, 6 ins. dia., 2 ft. above ground, blazed and scribed, 4-HES-55 on NE. face, with cross (x) on top; I blaze and scribe the post, 4-HES-56 on side facing this claim, for Cor. 4 of this survey.
	A juniper, 4 ins. dia., blazed and scribed X-4-HES-56-BT, bears S. 84° 30' W., 15 lks. dist.
	A juniper, 6 ins. dia., blazed and scribed X-4-HES-56-BT, bears N. 24° 32' W., 33 lks. dist.
	The listing corner and witnesses were destroyed during the survey of H. E. S. No. 55.
	June 22, 1915.
	Thence
	N. 89° 26' W.,
	Across rolling, broken sagebrush country.
8.20	Dry drainage, course N.
20.23	To Cor. 5, identical with Cor. H-2 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a limestone, 30 x 22 x 4 ins., 20 ins. in the ground, mkd. 5-HES-56 on side facing the claim with cross (x) on top, for Cor. 5 of this survey. No bearings; raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim. Pits

Chains	
	impracticable.
	I destroy the listing corner witnesses, which were not suitable for bearings for this survey.
	Thence
	N. 69° 38' W.,
	Across rolling, broken country.
0.90	Dry drainage, course NE.
11.50	Dry drainage, course NE.
30.00	Dry drainage, course NE.
60.79	To Cor. 6, identical with Cor. H-3 of the listing survey, and Cor. R-4 of Sheep Creek Administrative Site (unsurveyed), a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a limestone, 28 x 20 x 4 ins., 18 ins. in the ground, mkd. 6-HES-56 on side facing the claim, with cross (x) on top, for Cor. 6 of this survey. No bearings; raise a mound of stone, 3 ft. base, 4 ft. high, 6 ft. dist., within the claim. Pits impracticable.
	I destroy the listing corner witnesses, which were not suitable for bearings for this survey.
	Thence
	North
	Along line R-4 - R-3 of Sheep Creek Administrative Site.
1.50	Small dry drainage, course NW.
4.50	Dry drainage, course NE.
5.50	Road to Linwood bears NW. and SE.
6.66	Fence corner, from which fences bear N. 0° 45' E. and S. 63° 00' E.
15.60	Sheep Creek, 40 lks. wide, 20 ins. deep, flows SE.
20.00	To Cor. 1, the place of beginning.
	June 23, 1915.

HOMESTEAD ENTRY SURVEY NO. 56

ASHLEY NATIONAL FOREST

6. STATE OF UTAH.

Chains

AREA.

Total area of H. E. Survey No. 56: 154.02 acres.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

One-room log cabin, 16 x 14 ft., course of long sides NE. and SW., the middle of which bears from Cor. 5, N. 60° 15' W., 26.25 chs. dist.

Value $ 75.00

Cellar, 14 x 12 ft., course of long sides E. and W., the middle of which bears from Cor. 5, N. 63° 30' W., 27.00 chs. dist.

Value $ 40.00

Chicken coop, 12 x 10 ft., course of long sides E. and W., the middle of which bears from Cor. 5, N. 52° 10' W., 27.00 chs. dist.

Value $ 25.00

Corral and hay yard, 80 x 30 ft., course of long sides E. and W., the middle of which bears from Cor. 5, N. 52° 40' W., 27.60 chs. dist.

Value $ 35.00

About 2/3 of a mile of fencing.

Value $ 80.00

Total value of improvements: $255.00

DESCRIPTION.

This claim is situated in Sheep Creek Canyon and is bounded on the north by an impassable sandstone cliff, on the south by steep, sloping mountainside

HOMESTEAD ENTRY SURVEY NO. 56

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

Approximate elevation by aneroid barometer 5,975 ft. above sea level. Linwood, Utah, the nearest post office, is about 4 miles to the north (about 7 miles by wagon road). Soil is a sandy loam. Water for irrigation is obtained from Sheep Creek. About 1/6 of claim is under cultivation. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Line 3-4 of this survey adjoins line 5-4 of H. E. S. No. 55 (unapproved), and line 1-6 of this survey adjoins the east boundary (R-3 - R-4) of the Sheep Creek Administrative Site (unsurveyed).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

Survey completed June 23, 1915.

W. B. Rice.

Forest Examiner.

BOOK A-430

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

Chains

COMPUTATION SHEET.

Beginning at Cor. 1 of this survey, I run

Thence South, 20.00 chs.

Thence N. 76° 55' W., 10.77 chs.

Thence N. 59° 28' W., 7.81 chs.,

to point A, from which the N. witness corner to the cor. of Secs. 1, 6, 7 and 12, T. 2 N., Rgs. 19 and 20 E., heretofore described, bears N. 27° 59' W.

Thence N. 66° 46' W., 36.22 chs.

to point B, from which the above described corner bears N. 4° 41' E.

Therefore, the distance from point A to the witness corner =

$$\frac{36.22}{\text{Sin. } 32° \ 40'} \times \text{Sin. } 108° \ 33' = 63.62 \text{ chs.}$$

An impassable cliff made triangulation necessary.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains	

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 56, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	S. 69° 25' E.	60.79			21 / 21 37		56 / 56 91	92			56	92			1212	97	
2 - 3	S. 89° 27' E.	20.19				17 19	20	19			134	03			22	79	
3 - 4	S. 0° 18' E.	20.00			19 / 20	98 00		10			154	32			3083	31	
4 - 5	N. 89° 26' W.	20.23		22 20					20	23	134	19	29	52			
5 - 6	N. 69° 38' W.	60.79	21 / 21	22 16					56 / 56	98 99	56	98	1209	12			
6 - 1	North	20.00	20 / 20	02 00													
		202.00	41	36	41	56	77	20	77	22			1238	64	4319	07	
					41	36			77	20					1238	64	
	Errors:					20				02					20) 3080	43	
			41	46	41	46	77	21	77	21				Area	154	02	Acres
	Error of Closure = 1/1005																

145

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 56, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	South	20.00		20 00					
	N. 76° 55' W.	10.77	2 44			10 49			
	N. 59° 28' W.	7.81	3 97			6 73			
	N. 27° 59' W.	63.62	56 18			29 85			
			62 59	20 00		47 07			
			20 00						
			42 59						

N. 47° 52' W., 63.47 chs. to the North, Witness cor. to the cor. of Secs. 1, 6, 7 and 12, T. 2 N., Rgs. 19 and 20 E.

147

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 30, 1916

The foregoing field notes of Homestead Entry Survey No. 56, situated in the Ashley National Forest, in approximate sections 7 and 8, unsurveyed, T. 2 N., R. 20 E., Salt Lake Base and Meridian, Utah, William N. Riggs, Claimant,

executed by — W. B. Rice, Forest Examiner, [Forest Service Title.]

under his special instructions, dated — August 19 —, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

L. O. Thoresen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 60

SITUATED IN THE

ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Sections 14, 23 unsurveyed, Township 2 N, Range 21 E

of the

Salt Lake Base and Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger

Under special instructions dated September 8, 1913.

Survey commenced September 22, 1913.

Survey completed September 25, 1913.

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

Applicant for listing James L. Swett

Residence Vernal, Utah.

Application No. 10, dated October 11, 1906.

List No. 331, dated August 27, 1907

Applicant for survey James L. Swett

Residence Vernal, Utah.

H. E. No. 0865, dated June 25, 1908.

Land ~~district~~ office Vernal. ~~Uintah~~

8-2312

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger in surveying all those parts or portions of Homestead Entry Survey No. 60, in unsurveyed Sections 14-23, Township 2 North, Range 21 East surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base & meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Lester E. Hitchcock
Rear Chainman

Albert R. Hardy
Rod & Head Chainman

Dave Tolliver
Moundman

Charles Green
Flag & Moundman

Subscribed and sworn to before me this 25 day of September, 1913.

John C. Brown
Forest Ranger

OATH OF SURVEYOR

I, John C. Brown, Forest Ranger, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 8, 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 or~~ embraced in list ....., No. 331, dated August 27, 1907, for patent ....., under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 60, situated within the Ashley National Forest, in unsurveyed Sections 14-23 Township 2 N., Range 21 E., and surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base & meridian, Utah, 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.

John C. Brown
Forest Ranger

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. W. Goshen
Notary Public

HOMESTEAD ENTRY SURVEY NO. 60 -

BOOK A-430 ASHLEY NATIONAL FOREST

STATE OF UTAH

Chains

James L. Swett, applicant for listing, application No. 10, dated October 11, 1906.

Special Instructions dated September 8, 1913, for H. E. S. No. 60.

Claim situated approximately in unsurveyed Secs. 14 and 23, Township 2 North, Range 21 East, Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906; and March 4, 1913.

Survey commenced September 22, 1913, and executed with W. and L. E. Gurley Light Mountain transit No. 12968, the horizontal limb having two double verniers, placed opposite to eachother, and reading to single minutes of the arc.

Measurements made with Lufkin 2 chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 25, 1913; At a point which bears N. 62° 34' E., 25.26 chs. dist., from Cor. 2 of this survey, I observe the altitude of the sun for azimuth.

Latitude = 40° 53¾' N. : By account from surveyed
Longitude = 109° 30½' W. : section lines.

OBSERVATION 1.

At 9 h. 25 m., A.M., apparent time.

Observed altitude = 36° 38'

Horizontal angle (from the sun to the left) = 131° 47'

OBSERVATION 2.

At 10 h. 8 m., A. M., apparent time.

Observed altitude = 41° 53'

Horizontal angle (from the sun to the left) = 143° 15' 30"

HOMESTEAD ENTRY SURVEY NO. 60

ASHLEY NATIONAL FOREST

2. STATE OF UTAH.

Chains	
	From these observations I calculate the bearing of a reference stake, firmly set, centered with a tack, 5 chs. dist. from my station as (1) N. 0° 0' 52" W., and (2) N. 0° 02' 26" W.
	The mean of these is N. 0° 01' 39" W., and to the corresponding meridian all courses of this survey are referred.
	Mean Mag. Decl. = 16° 46' E.
	Beginning at Cor. 1, of this survey, identical with Cor. H-2 of listing survey, a sandstone, firmly set, mkd. H-2, in place of which I set a sandstone, 24 x 12 x 10 ins., 14 ins. in the ground, over a sandstone, 5 x 3 x 2 ins., mkd. with a cross (x) for Cor. 1 of this survey; mkd. 1-HES-60 on side facing the claim, with a cross (x) on top, raise a mound of boulders, 3 ft. base, 3 ft. high, 3½ ft. dist. within the claim.
	A yellow pine 12 ins. dia., blazed and scribed x-1-HES-60-BT, bears N. 42° 20' E., 158 lks. dist.
	No other bearing objects available. Pits impracticable.
	The meander cor. bet. Secs. 7 and 12, T. 2 N., Rgs. 21 and 22 E., S. L. B. & M., a sandstone, firmly set, showing 12 x 7 x 6 ins. above ground, mkd. MC on S. face, 6 notches on E. face, 6 notches on W. face, and witnessed by two bearing trees, mkd. T 2 N R 21 E MC S 12 BT, and T 2 N R 22 E MC S 7 BT, respectively, bears N. 40° 21' E., 127.49 chs. dist., by traverse and triangulation, computations of which are hereto attached.
	Thence
	S. 0° 26' W.,
	Across sagebrush flat.
11.00	Shallow dry drainage, course NE.
40.00	Deep draw, course NE.

Chains	
59.00	Fence bears N. 55° 30' W., and S. 55° 30' E., 3.40 chs. to rim rock.
	Leave sagebrush, enter cultivated field, bears NW. and SE.
70.00	Ditch, 3 lks. wide, 3 ins. deep, flows NW.
70.30	Road bears NW and SE.
72.66	To Cor. 2, identical with Cor. H-1 of listing survey, a sandstone, firmly set, marked H-1, in place of which I set a sandstone, 25 x 14 x 6 ins., 15 ins. in the ground over a sandstone, 3 x 3 x 1 ins., mkd. with a cross (x) for Cor. 2 of this survey, mkd. 2-HES-60 on side facing the claim, with cross (x) on top; no bearings, raise a mound of boulders, 4 ft. base, 3 ft. high, 6 ft. dist. within the claim. Pits impracticable.
	Cor. 1 of H.E.S. No. 61, established by me, a sandstone, 8 x 7 x 10 ins. above ground, mkd. 1-HES-61 on SE face and a cross (x) on the top, bears S. 86° 39' E., 55.09 chs. dist. by traverse, computations of which are hereto attached.
	Cor. 1 of H. E. S. No. 65, established by me, a sandstone, 12 x 4 x 10 ins. above ground, mkd. 1-HES-65, on the SW. face, and a cross (x) on the top, being in sight, bears S. 59° 02' E., 10.27 chs. dist.
	The Forest Service Monument, a boulder in place, mkd. as described by the Sur. Gen., bears S. 69° 00' W., 21.20 chs. dist. I destroy it.
	Fences bear N. 89° 09' W., and S. 89° 09' E., 1.70 chs. to rim rock.
	Thence
	N. 89° 09' W.,
	Along fence and S. edge of cultivation
4.30	Fence cor.; fences bear N. 2° 00' E., N. 89° 09' W.,

Chains	
	S. 18° 00' W. and S. 89° 09' E.
15.00	Fence corner; fences bear N. 16° 00' E. and S. 89° 09' E.
	End of cultivation. Over level sagebrush land.
20.07	To Cor. 3, identical with Cor. H-7 of listing survey, a sandstone boulder, firmly set, mkd. H-7 in place of which I set a sandstone, 25 x 14 x 10 ins., 15 ins. in the ground, over a sandstone, 7 x 4 x 2 ins., mkd. with a cross (x) for Cor. 3 of this survey, mkd. 3-HES-60 on side facing the claim, with cross (x) on top; raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist. within the claim.
	A rock in place, 4 x 3 x 2 ft. above ground, mkd. x-3 HES-60-BR, bears S. 0° 39' E., 271 lks. dist.
	No other bearing objects available; pits impracticable.
	Thence N. 0° 29' E.,
	Across sagebrush flat.
16.30	Dry drainage, course NW.
50.02	To Cor. 4, identical with Cor. H-6 of listing survey, a sandstone, firmly set, mkd. H-6; in place of which I set a sandstone 24 x 16 x 6 ins., 14 ins. in the ground, over a sandstone 7 x 4 x 3 ins., mkd. with a cross (x), for Cor. 4 of this survey, surrounded by a mound of stone, mkd. 4-HES-60 on the side facing the claim, with a cross (x) on top, raise a mound of stone, 3 ft. base, 3 ft. high, 7 ft. dist. within the claim.
	No bearing objects available; pits impracticable.
	Thence N. 89° 09' E.
	Over level sagebrush land.
6.28	To Cor. 5, identical with Cor. H-5 of listing survey, a sandstone, firmly set, mkd. H-5, in place of which I set a sandstone, 26 x 16x7 ins., 16 ins.

Chains	
	in the ground over a sandstone, 4 x 4 x 3 ins., mkd. with a cross (x); for Cor. 5 of this survey, mkd. 5-HES-60 on side facing the claim, with cross (x) on top; no bearings, therefore, dig pits, 24 x 24 x 12 ins., corsswise on this and succeeding course, 7 ft. dist., and raise a mound of stone, 4 ft. base, 4 ft. high, 6 ft. dist. within the claim.
	September 22, 1913.
	Thence
	N. 0° 40' E.
	Across sagebrush flat.
15.10	To Cor. 6, identical with Cor. H-4 of listing survey, a sandstone, firmly set, mkd. H-4, in place of which I set a sandstone, 24 x 12 x 6 ins., 14 ins. in the ground, over a sandstone, 7 x 4 x 2 ins., mkd. with a cross (x); for Cor. 6 of this survey, mkd. 6-HES-60 on side facing the claim, with cross (x) on top; raise a mound of stone, 3½ ft. base, 4 ft. high, 6 ft. dist. within the claim.
	A juniper, 6 ins. dia., blazed and scribed x-6-HES-60-BT, bears N. 76° W., 45 lks. dist.
	No other bearing objects available. Pits impracticable.
	Thence
	N. 49° 12' E.
	Over level sagebrush land
10.84	To Cor. 7, identical with Cor. H-3 of listing survey, a sandstone, firmly set, mkd. H-3, in place of which I set a sandstone, 24 x 12 x 3 ins., 14 ins. in the ground, over a sandstone, 6 x 4 x 3 ins., mkd. with a cross (x); for Cor. 7 of this survey, mkd. 7-HES-60 on side facing the claim, with cross (x) on top; raise a mound of stone, 4 ft. base,

HOMESTEAD ENTRY SURVEY NO. 60

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

3 ft. high, 5 ft. dist. within the claim.

A yellow pine, 12 ins. dia., blazed and scribed x-7-HES-60-BT, bears N. 15° 46' E., 281 lks. dist.

No other bearing objects available. Pits impracticable.

Thence

N. 89° 52' E.

Over level sagebrush land.

5.61 To Cor. 1, the place of beginning.

September 23, 1913.

Total Area of H.E.S. No. 60; 128.62 Acres.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

Log cabin, 18 x 16 ft., course of long sides N. and S., the center of which bears from Cor. 2 N. 16° 21' W. 6.20 chs. dist., Value $100.00

Dugout cellar, 12 x 12 ft., center of which bears from Cor. 2, N. 25° 00' W., 4.90 chs. dist., Value 30.00

About 3/4 mile of fencing, Value 85.00

About 1/3 mile of ditch Value 20.00

Stack yard, 40 x 20 ft., course of long sides N. and S., middle of which bears from Cor. 2, N. 10° 00' W., 10.00 chs. dist. Value 20.00

Total Value of Improvements $155.00

DESCRIPTION.

This claim is situated in what is commonly known as the "Louis Allen" section, a basin on the South side of Green River. About 23 acres of the land included within this claim are fenced and have been put to agricultural purposes; the balance

Chains

is a sagebrush flat, and has not been cultivated. Water for irrigation is brought on to the place by a small ditch, the source of which is from springs on land to the South. The crops raised are hay, grain, and garden truck. Approximate elevation by aneroid barometer is 6800 ft. above sea level. No timber of commercial value on or near the claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claim or patented land conflicting. The soil is a sandy, loam. Vernal, Utah the nearest accessible town lies about 30 miles by wagon road to the South.

Although the Cor. of the public survey to which this claim is tied, is not the nearest one, it is practically, the only one accessible. The claim is on the South side of Green River while the public survey is on the North side. Green River flows through a box canyon 1500 feet deep and presents only one ford in this region.

It being impracticable to take my assistants before an officer, qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

Survey completed September 25, 1913.

(Signed) John C. Brown
Forest Ranger

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 60

ASHLYE NATIONAL FOREST

STATE OF UTAH.

Chains

Computation Sheet - Triangulation.

It being impracticable to run a tie by chain or stadia from 1-H.E.S.60 to the MC bet. Secs. 7 and 12, T. 2 N., R. 21 and 22 E., (survey accepted) on account of deep box canyons, I obtain a tie as follows:

From Cor. 1 of this survey, a point A bears S. 76° 00' E.

From Cor. 1, I run thence S. 19° 53' E., 64.93 chs. to a point from which point A bears N. 60° 24' E.

Line Cor. 1 to A. is therefore S. 70° 00' E., 92.80 chs.

From A, the ¼ cor. bet. secs. 7 and 12, T. 2 N., Rgs. 21 and 22 E. (survey accepted), bears N. 3° 16' W.

From A, I run thence N. 51° 51' E., 23.96 chs. to a point B., from which the ¼ cor. bet. secs. 7 and 12, bears N. 12° 40' W.

Line A to ¼ cor. is therefore N. 3° 16' W., 132.32 chs.

¼ Cor. to meander cor. by transit and tape measurement is South, 12.49 chs.

The traverse from Cor.1-H.E.S.60 to the meander cor. bet. secs. 7 and 12 is therefore as follows:

S. 76° 00' E., 92.80 chs.

N. 3° 16' W., 132.32 chs.

South 12.49 chs.

Direct tie computed N. 40° 21' E., 127.49 chs.

16162 BOOK A-430

For Form 85.
heetheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 60

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

Computation Sheet - Direct Solars.

$$\text{Cos. A} = \frac{\text{Sin. Declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan V})$$

September 25, 1913

Latitude = 40° 53¾' N.

Longitude = 109° 30½' W.

Observation 1.

9 h. 25 m., A. M., apparent time.

Declination = 0° 47' 28" S.

Observed vertical angle = 36° 38'

Refrac. in Zenith dist. = 0° 01' 17"

True Vertical Angle (V) = 36° 36' 43"

$$\text{Cos. A} = \frac{\text{Sin. 0° 47' 28"}}{\text{Cos. 40° 53' 45" x Cos. 36° 36' 43"}}$$

-(Tan. 40° 53' 45" x Tan. 36° 36' 43").

= - .02275 -.64538 = -.66613.

Azm. sun = S. 48° 13' 52" E.

Horixontal angle (from the sun to the left) =

131° 47'

Bearing of reference line = N. 0° 0' 52" W.

Observation 2.

10 h. 8 m., A. M., apparent time.

Declination = 0° 48' 09" S.

Observed Vertical Angle = 41° 53'

Refrac. in zenith dist. = 0° 01' 04"

True vertical angle (V) = 41° 51' 56"

$$\text{Cos. A.} = \frac{\text{Sin. 0° 48' 09"}}{\text{Cos. 40° 53' 45" x Cos. 41° 51' 56"}}$$

- (Tan 40° 53' 45" x Tan 41° 51' 56")

= - .02489 - .77603 = - .80092.

Azm. sun = S. 36° 46' 56" E.

Horizontal angle (from the sun to the left)

= 143° 15' 30"

Bearing of reference line = N. 0° 02' 26" W.

Mean = N. 0° 01' 39" W.

FF Form 85.
h Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 60, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
3 - 4	N. 0° 29' E	50.02	50	02				42				40	20	02		
4 - 5	N. 89° 09' E	6.28		09			6	28			7	08		64		
5 - 6	N. 0° 40' E	15.10	15	10				18			13	53	204	30		
6 - 7	N. 49° 12' E.	10.84	7	08			8	21			21	90	155	05		
7 - 1	N. 89° 52' E.	5.61		01			5	61			35	71		36		
1 - 2	S. 0° 26' W	72.66			72	66				55	40	74			2958	95
2 - 3	N. 89° 09' W	20.07		30					20	07	20	08	6	22		
		180.58	72	60	72	66	20	70	20	62			386	59	2958	95
					72	60	20	62							386	59
	Errors					06		08						20	2572	36
			72	63	72	63	20	66	20	66				Area	128	62 Acres

Error of Closure = $\frac{1}{1806}$

165

Blank

Page

3. In calculations of latitudes 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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 60, STATE OF UTAH.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Cor. 1 - A	S. 76° 00' E			Sin 80° 17' x 64.93 = 93.80 chs. dist. Cor. 1-A					
Cor. 1 - C	S. 19° 53' E	64.93		Sin. 43° 36'					
C - A	N. 60° 24' E								
A - ¼ cor.	N. 3° 16' W.			23.96					
A - B	N. 51° 51' E	23.96		Sin 9° 24'	× Sin. 115° 29' = 132.32 chs. dist. A - ¼ cor.				
B - ¼ cor.	N. 12° 40' W								
Cor. 1 - A	S. 76° 00' E.	92.80		22 45	90 04				
A - ¼ cor.	N. 3° 16' W.	132.32	132 11			7 51			
¼ cor. - MC	South	12.49		12 49					
			132 11	34 94	90 04	7 51			
			34 94		7 51				
			97 17		82 53				
			N. 40° 21' E., 127.49 chs.						

X

Blank

Page

3. In calculations of latings 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.

S—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 60, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	Tie from Cor. 2 to 1-H.E.S. 61															
	S. 59° 02' E.	10.27			5	28	8	81								
	S. 55° 58' E.	0.51				41		30								
	S. 83° 55' E.	6.52				70	6	58								
	S. 89° 43' E.	6.27				03	6	27								
	N. 84° 24' E.	4.10		40			4	08								
	N. 67° 41' E.	0.69		26				64								
	N. 66° 02' E	9.14	3	71			8	35								
			4	37	6	42	35	03								
					4	37										
					2	05										
		S. 86° 39' E., 35.09 chs.														

169

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No.60, situated in Ashley National Forest, in unsurveyed Secs.14,23, Tp.2 N.,R.21 E., of the Salt Lake Base and Meridjan, Utah; James L. Swett, claimant;

executed by John C. Brown, Forest Ranger, [Forest Service Title.] under his special instructions, dated September 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 61

SITUATED IN THE

ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Section s 24; 25 un surveyed, Township 2 N, Range 21 E

of the

Salt Lake Base and Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger

Under special instructions dated September 8, 1913.

Survey commenced September 24, 1913.

Survey completed September 25, 1913.

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

Applicant for listing Elizabeth E. Swett

Residence Vernal, Utah.

Application No. 29, dated June 21, 1908.

List No. 4-21, dated December 18, 1908

Applicant for survey Elizabeth E. Swett

Residence Vernal, Utah.

H. E. No. 02311, dated July 10, 1909.

Land ~~district~~ Office ~~Uintah~~ Vernal.

8-2210

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 61, in unsurveyed Sections 24-25, Township 2 North, Range 21 East, surveyed Section ....., Township ....., Range .....,

&

of the Salt Lake Base meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Lester E. Hitchcock
Rear Chainman

Albert R. Hardy
Rod & Head Chainman

Dave Tollmer
Loundman

Charles Green
Flag & Loundman

Subscribed and sworn to before me this 25 day of September, 1913.

John C. Brown,
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 8, 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. 4-21, dated December 18 1908, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 61, situated within the Ashley National Forest, in unsurveyed Sections 24-25 Township 2 N., Range 21 E., and surveyed Section ....., Township ....., Range .....,

&

of the Salt Lake Base meridian, Utah, 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.

John C. Brown,
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. H. Joshen
Notary Public

8—2349

Form 85
Cat. No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 61
and Establishment of U. S. Location Monument No. 258.
SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 24, unsurveyed, Township 2 N., Range 21 E.,
and 25

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing Elizabeth E. Swett

Residence Vernal, Utah.

Application No. 29 , dated June 21 , 1908

List No. 4-21 , dated December 18 , 1908

Applicant for survey Elizabeth E. Swett

Residence Vernal, Utah.

H. E. No. 02311 , dated July 10 , 1909

~~Land District Uintah.~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner,
[Forest Service Title.]

Under special instructions dated May 27 , 1915

Survey commenced June 25 , 1915

Survey completed June 25 , 1915

Under Acts of June 11, 1906; June 30, 1914.

5—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title] in surveying all those parts or portions of Homestead Entry Survey No. 61, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy Chairman

Subscribed and sworn to before me this 25th day of June, 1916.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 27, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed a tract of land~~ erected U. S. Location Monument No. 258, in connection with the survey of

List, No. 4-21, dated May 27, 1915, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 61, situated within the Ashley National Forest, in ~~un~~ surveyed Sections 24-25, Township 2 N., Range 21 E., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title]

Subscribed and sworn to before me this 24th day of February, 1916

Geo. W. Goshen
Notary Public

Chains

Elizabeth E. Swett, applicant for listing, Application No. 29, dated June 21, 1908.

Special Instructions dated September 8, 1913, for H. E. Survey No. 61.

Supplemental Instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated in approximately unsurveyed Sections 24 and 25, Township 2 North, Range 21 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913 and June 30, 1914.

JOHN C. BROWN, FOREST RANGER

Survey commenced September 24, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, the horizontal limb, having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 25, 1913; at a point which bears N. 42° 40' W., 18.61 chs. dist. from Cor. 1 of this survey, I observe the altitude of the sun for Azimuth.

Latitude = 40° 53¾' N.) By account from surveyed
Longitude = 109° 30½' W.) section lines.

OBSERVATION 1.

At 9 h. 25 m., A. M., apparent time.

Observed Vertical Angle = 36° 38'

Horizontal Angle (from the sun to the left) = 131° 47'

HOMESTEAD ENTRY SURVEY NO. 61

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

OBSERVATION 2.

At 10 h. 8 m., A. M., apparent time.

Observed Vertical Angle = 41° 53'

Horizontal Angle (from the sun to the left) = 143°15'30"

From these observations, I calculate the bearing of a reference stake, firmly set, centered with a tack, 5 chs. dist., from my station, as (1) N. 0° 00' 52" W. and (2) N. 0° 02' 26" W.

The mean of these is N. 0° 01' 39" W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 46' E.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-2 of the listing survey, a sandstone, firmly set, mkd. as described by the Sur. Gen., in place of which I set a sandstone, 24 x 8 x 7 ins., 14 ins. in the ground, over a stone mkd. with a cross (x), for Cor. 1 of this survey; mkd. 1-HES-61 on side facing the claim, with cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.

September 24, 1913.

W. B. RICE, FOREST EXAMINER

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb

Chains

having two double verniers, placed opposite each other, and reading to single minutes of the arc. Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; at U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P. M., l. m. t., I foresight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N.) From Ashley National
Longitude = 109° 30' 30" W.) Forest Diagram.

U. C. Polaris, June 26, 1915 - - - -	7 h. 15.6 m., A. M.
Longitude Correction - - - - - - - -	0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - - -	7 h. 14.4 m., A. M.
L. m. t. obsn., June 25, 1915 - -	8 h. 5 m., P. M.
Subtract from - - - - - - - - - - -	12 h. 0 m.
Time to midnight - - - - - - - - - -	3 h. 55 m.
Add to - - - - - - - - - - - - - - -	7 h. 14.4 m.
Argument - - - - - - - - - - - - - -	11 h. 09.4 m.

Azimuth of Polaris = N. 0° 19' E.

Bearing of reference stake = N. 76° 23' W.

June 25, 1915; at the same station, at 8 h. 17 m., P. M., l. m. t., I foresight on the reference stake, heretofore described, and turn 76° 46' to the right to Polaris in position.

Latitude and longitude previously stated.

HOMESTEAD ENTRY SURVEY NO. 61

ASHLEY NATIONAL FOREST

4. STATE OF UTAH.

Chains

U. C. Polaris, June 26, 1915 - - - 7 h. 15.6 m., A. M.

Longitude Correction - - - - - - - 0 h. 01.2 m.

L. m. t., U. C. Polaris - - - - - - 7 h. 14.4 m., A. M.

L. m. t. obsn., June 25, 1915 - - 8 h. 17 m., P. M.

Subtract from - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - 3 h. 43 m.

Add to - - - - - - - - - - - - - - 7 h. 14.4 m.

Argument - - - - - - - - - - - - - 10 h. 57.4 m.

Azimuth of Polaris = N. o° 23' 30" E.

Bearing of reference stake = N. 76° 22' 30" W.

The mean of these two observations is N. 76° 22' 45" W., and to the corresponding meridian all courses of this survey are referred.

This claim lies on the south side of Green River, while the only corners of the public survey within two miles lies on the north side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey.

Therefore, I establish U. S. Location Monument No. 258 as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark X-USLM-258 for U. S. Location Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North, 8 ft. dist.

A flat granite rock, in place, showing 12 x 8 x 1 ft. above ground, mkd. X-USLM-258-BR, bears N. 59° 17' W., 26 lks. dist.

A flat granite rock, in place, showing 15 x 10 x 1 ft. above ground, mkd. X-USLM-258-BT, bears S. 38° 58' W., 26 lks. dist.

Chains

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about 3/4 mile dist.

This monument is located on an open sagebrush ridge, on the divide between Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument could be found in the vicinity.

Green River bears North about 2 miles dist.

From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears S. 66° 10' W., 9.83 chs. dist., by traverse, computations of which are hereto attached.

From Cor. 1 of this survey, Cor. 2 of H. E. S. No. 60 (unapproved), which is a sandstone, firmly set, mkd. 2-HES-60 on the NW. face, with a cross (x) on the top, and witnessed by a mound of stone, bears N. 86° 39' W., 35.09 chs. dist., by traverse, computations of which are hereto attached.

From Cor. 1 of this survey, Cor. H-3 of List No. 335 (will be identical with Cor. 1 of H. E. S. No. 65, unapproved), a sandstone, firmly set, mkd. H-3, bears S. 82° 59' W., 26.42 chs. dist., by traverse, computations of which are hereto attached.

June 25, 1915.

JOHN C. BROWN, FOREST RANGER

Thence

S. 73° 25' E.,

HOMESTEAD ENTRY SURVEY NO. 61

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains	
	Across sagebrush flat.
30.11	To Cor. 2, identical with Cor. H-1 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 26 x 14 x 5 ins., 16 ins. in the ground, over a stone, 4 x 3 x 2 ins., mkd. with cross (x), for Cor. 2 of this survey; mkd. 2-HES-61 on side facing the claim, with cross (x) on top. Raise a mound of boulders, 3 ft. base, 3 ft. high, 7 ft. dist., within the claim.
	A yellow pine, 38 ins. dia., blazed and scribed X-2-HES-61-BT, bears S. 64° 02' E., 338 lks. dist.
	No other bearings available. Pits impracticable.
	I destroy the witness to the listing corner, which was not suitable for a bearing for this survey.
	Thence
	S. 18° 06' E.,
	Across sagebrush flat.
4.40	Dry drainage, course NE.
27.40	Small stream, 3 lks. wide, 2 ins. deep, flows NE.
60.07	To Cor. 3, identical with Cor. H-4 of the listing survey, and identical with Cor. R-5 of Green River Administrative Site and the Forest Service Monument (and will be identical with Cor. 8 of H. E. S. No. 62, unapproved), a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 14 x 12 ins., 14 ins. in the ground, over a sandstone mkd. with a cross (x), for Cor. 3 of this survey, and Cor. 5 of the Green River Administrative Site; mkd. R-5 on NE. face and 3-HES-61 on side facing this claim, with cross (x) on top; raise a mound of stone, 3½ ft. base, 4 ft. high, alongside. Pits

Chains	
	impracticable.
	No suitable bearing objects available.
	I destroy the witness to the listing corner.
	Thence
	N. 74° 36' W.,
	Along what will be line 8-1 of H. E. S. No. 62 (unapproved). (Line H-1 to H-2 of List No. 4-887)
1.00	Road bears NW. and SE.
9.30	Small stream, 3 lks. wide, 3 ins. deep, flows N.
11.00	Point for Cor. 1 of H. E. S. No. 62 to be established by me.
	Ascend rocky slope.
30.46	To Cor. 4, about 150 ft. above point of ascent, identical with Cor. H-3 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 40 x 22 x 5 ins., in a mound of stone, 4 ft. base, 2½ ft. high, (impossible to set in the ground), mkd. 4-HES-61 on side facing the claim, with cross (x) on top, for Cor. 4 of this survey, from which
	A yellow pine, 16 ins. dia., blazed and scribed X-4-HES-61-BT, bears S. 2° 00' W., 214 lks. dist.
	A yellow pine, 40 ins. dia., blazed and scribed X-4-HES-61-BT, bears S. 72° 57' W., 237 lks. dist.
	No other bearing objects available.
	I destroy the witness to the listing corner.
	Thence
	N. 17° 30' W.,
	Descend rocky slope.
16.60	Road bears N. 54° 30' W. and S. 54° 30' E., about 150 ft. below Cor. 4.

September 24, 1913.

Chains	
	Across sagebrush flat.
60.34	To Cor. 1, the place of beginning.

AREA

Total area of H. E. Survey No. 61: 151.54 acres.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

Log cabin, 18 x 18 ft., middle of which bears from Cor. 3, N. 63° 23' W., 7.70 chs. dist. Value $100.00

About 10 chs. of ditching. Value $ 10.00

Total value of improvements: $110.00

DESCRIPTION.

This claim is situated in what is locally known as the "Louis Allen" section, a basin on the South side of Green River, about 30 miles to the North of Vernal, Utah, the most accessible settlement. Approximate elevation by aneroid barometer is 6.800 ft. above sea level. On the southeast portion, about one acre of land has been put under cultivation; bordering this on the north is a meadow of from 5 to 6 acres; the balance of the claim is a sagebrush flat. Garden truck is the only crop at present being raised. Water for domestic and irrigation purposes is obtained from a small ditch which diverts it from Louis Allen Creek. No timber of commercial value on or near the claim. No mineral or indications of mineral

HOMESTEAD ENTRY SURVEY NO. 61

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

appear within the boundaries of this survey. No other claims or patented land conflicting. Part of line 3-4 of this survey adjoins line 1-8 of H. E. S. No. 62 (unapproved).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

September 25, 1913.

John C. Parson
Forest Ranger.

June 25, 1915.

W. B. Rice.
Forest Examiner.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

Chains

COMPUTATION SHEET - DIRECT SOLARS.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

September 25, 1913.

Latitude = 40° 53¾' N.

Longitude = 109° 30½' W.

OBSERVATION 1

9 h. 25 m., A. M., apparent time.

Declination = 0° 47' 28" S.

Observed Vertical Angle = 36° 38'

Refrac. in Zenith dist. = 0° 01' 17"

True Vertical Angle (V) = 36° 36' 43"

$$\text{Cos. Azm.} = \frac{\text{Sin. 0° 47' 28"}}{\text{Cos. 40° 53' 45" x Cos. 36° 36' 43"}}$$

$$- (\text{Tan. 40° 53' 45" x Tan. 36° 36' 43"})$$

$$= - 0.02275 - 0.64338 = - 0.66613$$

Azm. Sun = S. 48° 13' 52" E.

Horizontal Angle (from the sun to the left) = 131° 47'

Bearing of reference line = N. 0° 00' 52" W.

OBSERVATION 2

10 h. 8 m., A. M., apparent time.

Declination = 0° 48' 09" S.

Observed Vertical Angle = 41° 53'

Refrac. in Zenith dist. = 0° 01' 04"

True Vertical Angle (V) = 41° 51' 56"

$$\text{Cos. Azm.} = \frac{\text{Sin. 0° 48' 09"}}{\text{Cos. 40° 53' 45" x Cos. 41° 51' 56"}}$$

$$- (\text{Tan. 40° 53' 45" x Tan. 41° 51' 56"})$$

$$= - 0.02489 - 0.77603 = - 0.80092$$

Azm. Sun = S. 36° 46' 56" E.

Horizontal Angle (from the sun to the left) = 143°15'30"

Bearing of reference line = N. 0° 02' 26" W.

Mean = N. 0° 01' 39" W.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

3. In calculations of latitudes 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.

8—249

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 61, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S. 73° 25' E.	30.11		8 59	28 86		28 86		247 91
2 - 3	S. 18° 06' E.	60.07		57 10	18 66		76 38		4359 77
3 - 4	N. 74° 36' W.	30.46	8 09			29 37	65 67	531 93	
4 - 1	N. 17° 30' W.	60.34	57 55			18 14	18 15	1044 90	
		180.98	65 64	65 69	47 52	47 51		1576 83	4607 68
				65 64	47 51				1576 83
	Errors:			05	01				20)3030 85
			65 67	65 67	47 52	47 52		Area	151 54 Acres

Error of Closure = $\frac{1}{3549}$

189

Blank

Page

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.

8—2249

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 61, STATE OF Utah.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Tie from Cor. 1 to U. S. L. M. No. 258.									
	S. 66° 02' W.	9.14		3 71		8 35			
	S. 67° 41' W.	0.69		26		64			
				3 97		8 99			
		S. 66° 10' W., 9.83 chs.							
Tie from Cor. 1 to Cor. 1 of H. E. S. No. 65.									
	S. 66° 02' W.	9.14		3 71		8 35			
	S. 67° 41' W.	0.69		26		64			
	S. 84° 24' W.	4.10		40		4 08			
	N. 89° 43' W.	6.27	03			6 27			
	N. 83° 55' W.	6.62	70			6 58			
	N. 35° 58' W.	0.51	41			30			
			1 14	4 37		26 22			
				1 14					
				3 23					
		S. 82° 59' W., 26.42 chs.							

Blank

Page

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

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 61, STATE OF Utah.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	Tie from Cor.	1 to Cor.	2 of H. E.		S. No. 60											
	S. 66° 02' W.	9.14			3	71			8	35						
	S. 67° 41' W.	0069				26				64						
	S. 84° 24' W.	4.10				40			4	08						
	N. 89° 43' W.	6.27		03					6	27						
	N. 83° 55' W.	6.62		70					6	58						
	N. 35° 58' W.	0.51		41						30						
	N. 59° 02' W.	10.27	5	28					8	81						
			6	42	4	37			35	03						
			4	37												
			2	05												
		N. 86° 39' W., 35.09 chs.														

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 61, situated in Ashley National Forest, in unsurveyed Secs. 24 and 25, Tp. 2 N., R. 21 E., of the Salt Lake Base and Meridian, Utah; Elizabeth E. Swett, claimant;

executed by John C. Brown, Forest Ranger; W. B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated September 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 62

SITUATED IN THE

ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Section 25, unsurveyed, Township 2 N, Range 21 E
" 30 " " 2 N " 22 E

of the

Salt Lake Base and Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger.

Under special instructions dated September 8, 1913.

Survey commenced September 26, 1913.

Survey completed September 27, 1913.

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

Applicant for listing Oscar Swett

Residence Vernal, Utah.

Application No. 52, dated July 8, 1911.

List No. 4-887, dated November 10, 1911.

Applicant for survey Oscar Swett

Residence Vernal, Utah.

H. E. No. 04658, dated January 30, 1913.

Land ~~district~~ Office ~~Uintah~~ Vernal

8—2349

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 62, in unsurveyed Section 25, Township 2 North, Range 21 East, unsurveyed Section 30, Township 2 North, Range 22 East,

of the Salt Lake Base & meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Lester E Hitchcock
Rear Chainman

Albert A. Hardy
Rod & Head Chainman

Dave Tolliver
Moundman

Charles Green
Flag & moundman

Subscribed and sworn to before me this 27 day of September, 1913.

John C Brown,
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 8, 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 4-887, dated November 10 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 62, situated within the Ashley National Forest, in unsurveyed Sections 25, Township 2 N, Range 21 E, and unsurveyed Section 30, Township 2 N, Range 22 E,

of the Salt Lake Base & meridian, Utah, 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.

John C Brown,
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. W. Goshen
Notary Public.

8-2329

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

BOOK A-430

OF

HOMESTEAD ENTRY SURVEY NO. 62
and establishment of U. S. Location Monument No. 258
SITUATED IN THE Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 25, unsurveyed, Township 2 N., Range 21 E., and
In Section 30, " " 2 N., " 22 E.

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing Oscar Swett,

Residence Vernal, Utah

Application No. 52, dated July 8, 19 11

List No. 4-887, dated November 10, 19 11

Applicant for survey Oscar Swett,

Residence Vernal, Utah

H. E. No. 04658, dated January 30, 1913

Land ~~District~~ Office ~~Uintah~~ Vernal.

Survey executed by W. B. Rice, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 27, 19 15

Survey commenced June 25, 19 15

Survey completed June 25, 19 15

Under Acts of June 11, 1906; June 30, 1914.

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 62, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 25th day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for , dated , 19 , and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed a tract of land~~ erected U. S. Location Monument No. 258, in connection with the survey of

List patent, No. 4-21, dated May 27, 1915, for , under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 62, situated within the Ashley National Forest, in un surveyed Section 25, Township 2 N., Range 21 E., and un surveyed Section 30, Township 2 N., Range 22 E.,

of the Salt Lake Base & meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of February, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

Oscar Swett, applicant for listing, application No. 52, dated July 8, 1911.

Special Instructions dated September 8, 1913, for H. E. Survey No. 62.

Supplemental Instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated approximately in unsurveyed Sections 25 and 30, Township 2 North, Ranges 21 and 22 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906; March 4, 1913, and June 30, 1914.

John C. Brown, Forest Ranger.

Survey commenced September 26, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 27, 1915; at Cor. 8 of this survey, at 10 h. 07 m., A.M., apparent time, I observe the altitude of the sun for azimuth.

Observation 1.

Observed vertical angle = 40° 13'

Horizontal angle (from the sun to the left) = 141° 17' 30".

Observation 2.

Observed vertical angle = 40° 33' 30"

Horizontal angle (from the sun to the left) = 142° 08' 30".

From these observations I calculate the bearing of a

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 62

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

reference stake, firmly set, centered with a tack, 5 chs. dist., from my station, as (1) N. 0° 05' 41" W., and (2) N. 0° 06' 13" W.

The mean of these is N. 0° 05' 57" W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 46' E.

Retracement.

Beginning at Cor. 3 of H. E. S. No. 61 (unapproved), which is a sandstone, firmly set, mkd. 3-HES-61 on the NW. face, R-5 on the NE. face, for Cor. 5 of the Green River Administrative Site (unsurveyed), and a cross (+) on the top, and witnessed by a mound of stone, Cor. 4 of H. E. S. No. 61 being in sight, I run

Thence

N. 74° 36' W.,

On a true line along the S. bdy. of H. E. S. No. 61.

11.00 Cor. H-3 of List No. 4-887, which is a stone, firmly set, mkd. and witnessed as described by the Sur. Gen.

30.46 To Cor. 4 of H. E. S. No. 61, which is a sandstone, firmly set in a mound of stone, mkd. 4-HES-61 on the N. face, and a cross (+) on the top, and witnessed by two bearing trees.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 16 x 12 ins., 14 ins. in the ground, over a sandstone, 7 x 7 x 5 ins., mkd. with a cross (+)

Chains

for Cor. 1 of this survey, on line bet. Cors. 3 and 4 of H. E. S. No. 61 (unapproved), mkd. 1-HES-62 on the side facing the claim, and a cross (+) on the top; and raise a mound of stone, 3 ft. base, 3 ft. high, 4 ft. dist., within the claim.

No bearing objects available. Pits impracticable.

I destroy the witness to the listing corner, which was not suitable for a bearing object for this survey.

Cor. 4 of H. E. S. No. 61 (unapproved), heretofore described, bears N. 74° 36' W., 19.46 chs. dist.

Cor. 3 of H. E. S. No. 61 (unapproved), heretofore described, bears S. 74° 36' E., 11.00 chs. dist.

W. B. Rice, Forest Examiner.

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; at U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P.M., l.m.t., I foresight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N. : From Ashley National
Longitude = 109° 30' 30" W. : Forest Diagram.

HOMESTEAD ENTRY SURVEY NO. 62

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

U. C. Polaris, June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 01.2 m.
L. M. T., U. C. Polaris	7 h. 14.4 m., A.M.
L. M. T., Obsn., June 25	8 h. 5 m., P.M.
Subtract from	12 m. 0 m.
Time to midnight	3 h. 55 m.
Add to	7 h. 14.4 m.
Argument	11 h. 09.4 m.

Azimuth of Polaris = N. 0° 19' E.

Bearing of reference stake = N. 76° 23' W.

June 25, 1915; at the same station, at 8 h. 17 m., P.M., l.m.t., I foresight on the reference stake, heretofore described and turn 76° 46' to the right to Polaris in position.

Latitude and longitude previously stated.

U. C. Polaris, June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 1.2 m.
L.M.T., U. C. Polaris	7 h. 14.4 m., A.M.
L.M.T., Obsn., June 25, 1915	8 h. 17 m., P.M.
Subtract from	12 h. 00 m.
Time to midnight	3 h. 43 m.
Add to	7 h. 14.4 m.
Argument	10 h. 57.4 m.

Azimuth of Polaris = N. 0° 23' 30" E.

Bearing of reference stake = N. 76° 22' 30" W.

The mean of these two observations is N. 76° 22' 45" W., and to the corresponding meridian all courses of this survey are referred.

This claim lies on the south side of Green River, while the only corners ofthe public survey within two miles lies on the north side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey.

Chains

Therefore I establish U. S. Location Monument No. 258, as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark +-USLM-258 for U. S. Location Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North, 8 ft. dist.

A flat granite rock, in place, showing 12 x 8 x 1 ft. above ground, mkd. +-USLM-258-BR, bears N. 59° 17' W., 26 lks. dist.

A flat granite rock, in place, showing 15 x 10 x 1 ft. above ground, mkd. +-USLM-258-BR, bears S. 38° 58' W., 26 lks. dist.

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about ¾ mile dist.

This monument is located on an open sagebrush ridge on the divide bet. Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument could be found in the vicinity.

Green River bears North about 2 miles dist.

From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears N. 38° 00' W., 74.55 chs. dist., by traverse, computations of which are hereto attached.

John C. Brown, Forest Ranger.

Thence

S. 3° 17' E.,

Across sagebrush flat.

HOMESTEAD ENTRY SURVEY NO. 62

Ashley NATIONAL FOREST

STATE OF Utah.

Chains	
10.00	Road to Lonetree, Wyoming, bears E. and W.
13.60	Road from Vernal to Lonetree, Wyoming, bears E. and W.
19.61	To Cor. 2, identical with Cor. H-3 of listing survey, a stone, firmly set, mkd. and witnessed as describe by the Sur. Gen., in place of which I set a sandstone, 24 x 14 x 6 ins., 14 ins. in the ground, ove a sandstone, 4 x 4 x 2 ins., mkd. with a cross (+) for Cor. 2 of this survey; mkd. 2-HES-62 on side facing the claim, with a cross (+) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 5 ft. dist., within the claim.
	No bearing objects available; pits impracticable.
	I destroy the witnesses to the listing cor., which were not suitable for bearings for this survey.
	Thence
	S. 83° 31' E.
.54	Small stream, 2 lks. wide, 2 ins. deep, flow N.
	Across sagebrush flat.
11.80	Road to Vernal bears N. and S.
13.13	To Cor. 3, identical with Cor. H-4 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 18 x 7 ins., 14 ins. in the ground, over a sandstone, 7 x 5 x 2 ins., mkd. with a cross (+) for Cor. 3 of this survey; mkd. 3-HES-62 on side facing the claim, with a cross (+) on top; and raise a mound of stone, 3 ft. base, 3 ft. high, 4½ ft. dist., within the claim.
	A yellow pine, 21 ins. dia., blazed and scribed +-3-HES-62-BT, bears S. 85° 48' E., 268 lks. dist.
	No other bearing objects available; pits impracticable.
	I destroy the witnesses to the listing corner.

Chains	
	Thence
	N. 0° 39' W.
	Across sagebrush flat.
8.15	To Cor. 4, identical with Cor. H-5 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 20 x 16 x 8 ins., (stone of greater dimensions not available) 14 ins. in the ground, over a sandstone, 5 x 4 x 3 ins., mkd. with a cross (+) for Cor. 4 of this survey; mkd. 4-HES-62 on side facing the claim, with a cross (+) on top.
	A yellow pine, 10 ins. dia., blazed and scribed +-4-HES-62-BT, bears S. 52° 34' E., 273 lks. dist.
	A yellow pine, 10 ins. dia., blazed and scribed +-4-HES-62-BT, bears N. 79° 22' E., 203 lks. dist.
	No other bearing objects available. Pits impracticable. I destroy the witnesses to the listing cor.
	Thence
	N. 89° 37' E.
	Over level sagebrush land.
.60	Ditch, 3 lks. wide, 4 ins. deep, flows N.
10.40	Louis Allen Creek, 7 lks. wide, 4 ins. deep, flows N.
	Leave sagebrush, enter aspen, bears N. and S.
17.30	SW. cor. of stack yard.
	Along hillside, through scattering aspen and yellow pine.
35.88	To Cor. 5, identical with Cor. H-6 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 16 x 9 ins., 14 ins. in the ground, over a sandstone, 4 x 4 x 3 ins.,

Chains

mkd. with a cross (+) for Cor. 5 of this survey, and surround it with a mound of stone; mkd. 5-HES-62 on side facing the claim, with a cross (+) on top.

A yellow pine, 14 ins. dia., blazed and scribed +-5-HES-62-BT, bears N. 58° 18' W., 65 lks. dist.

A yellow pine, 15 ins. dia., blazed and scribed +-5-HES-62-BT, bears N. 11° 39' W., 11 lks. dist.

I destroy the witnesses to the listing cor.

Thence

N. 6° 55' W.,

Through aspen and scattering yellow pine.

2.75 Road bears E. and W.

8.85 To Cor. 6, identical with Cor. H-7 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 36 x 18 x 6 ins., 12 ins. in the ground to bedrock, and surround it with a mound of stone; mkd. 6-HES-62 on side facing the claim, with a cross (+) on top for Cor. 6 of this survey; from which

A yellow pine, 24 ins. dia., blazed and scribed +-6-HES-62-BT, bears N. 77° 43' E., 105 lks. dist.

A yellow pine, 28 ins. dia., blazed and scribed +6-HES-62-BT, bears N. 66° 54' W., 182 lks. dist.

Cor. 1 of H.E.S. Nos. 63 and Cor. 7 of H.E.S. No. 64 (unapproved), established by me, a rock in place, mkd. 1-HES-63 on E. face, and 7-HES-64 on N. face, and a cross (+) on top, bears N. 23° 45' E., 49.76 chs. dist.

Thence

N. 83° 37' W.,

Along base of low, rocky ridge, through scattering

Chains	
	yellow pine.
23.82	To Cor. 7, identical with Cor. H-8 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 13 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (+) for Cor. 7 of this survey; mkd. 7-HES-62 on side facing the claim, with a cross (+) on top; from which
	A yellow pine, 24 ins. dia., blazed and scribed +-7-HES-62-BT, bears S. 2° 06' E., 111 lks. dist.
	A yellow pine, 34 ins. dia., blazed and scribed +-7-HES-62-BT, bears S. 40° 19' W., 122 lks. dist.
	The Forest Service Monument for the Green River Administrative Site, a stone monument, mkd. FSMR, bears S. 82° 18' W., 4.24 chs. dist.
	Thence
	S. 83° 21' W.,
	Over rolling sagebrush land.
3.07	Louis Allen Creek, 7 lks. wide, 4 ins. deep, flows N.
14.68	To Cor. 8, identical with Cor. 3 of H. E. S. No. 61 (unapproved), and identical with Cor. 5 of the Green River Administrative Site (unsurveyed), heretofore described. I mark the stone 8-HES-62 on the S. face for Cor. 8 of this survey.
	Thence
	N. 74° 36' W.,
	Over sagebrush flat, along the S. bdy. of H. E. S. No. 61 (unapproved).
1.00	Road bears NW. and SE.
10.00	Small stream, 3 lks. wide, 3 ins. deep, flows N.
11.00	To Cor. 1, the place of beginning.

HOMESTEAD ENTRY SURVEY NO. 62

10. Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Area.

Total area of H. E. Survey No. 62: 61.79 acres.

Improvements.

The improvements on this claim, the property of the claimant herein, consist of the following:

Log walls, 15 x 12 ft., course of long sides N. and S., center of which bears from Cor. 8, S. 54° 27' E., 15.05 chs. dist. Value $ 15.

Stack yard, 75 x 36 ft., course of long sides N. 80° E., and S. 80° W., the SW. cor. of which bears from Cor. 4, N. 89° 37' E., 17.30 chs. dist. Value 20.

Total value of improvements $ 35.

Description.

This claim is situated in what is locally known as the "Louis Allen" region, a basin on the south side of Green River. Vernal, about 30 miles south by wagon road, is the nearest town. Approximate elevation by aneroid barometer is 6,825 feet above sea level. Garden truck is being raised on a strip a little less than an acre in area, along the W. side of the claim. The balance of the western portion of the claim is covered with sagebrush; the middle of the eastern portion is a meadow, from which grass is cut for hay, around this part are rocky hills covered with scattering yellow pine and aspen. The soil is a gravelly, sandy loam. Water for irrigation is obtained from a small spring to the south. No timber of commercial value on the claim, but a stand of scattering yellow pine adjoins it

Chains

on the south and east. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Line 8-1 adjoins part of line 3-4 of H. E. S. No. 61, and Cor. 8 is identical with Cor. R-5 of the Green River Administrative Site (unsurveyed), and Cor. 3 of H. E. S. No. 61 (unapproved).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

September 27, 1913.

John C. Brown.

Forest Ranger,

(Surveyor)

June 25, 1915.

W. B. Rice.

Forest Examiner.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 62

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Computation Sheet - Direct Solars.

Line Cor. 8 to reference stake.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. (V)}} - (\text{Tan. Lat. x Tan.V})$$

September 27, 1913.

Latitude = 40° 52' 50" N.

Longitude = 109° 29' 39" W.

At 10 h. 07 m., A.M., apparent time.

Declination = 1° 34' 58" S.

Observation 1.

Observed Vertical Angle = 40° 13'

Refrac. in Zenith dist. = 0° 01' 08"

True vertical angle (V) = 40° 11' 52"

$$\text{Cos. Azm.} = \frac{\text{Sin. } 1° \ 34' \ 58''}{\text{Cos. } 40° \ 52' \ 50'' \text{ x Cos. } 40° \ 11' \ 52''}$$

- (Tan. 40° 52' 50" x Tan. 40° 11' 52")

= -.04783 - .73146 = -.77929

Azm. Sun = S. 38° 48' 11" E.

Horizontal angle (from the sun to the left) = 141° 17' 30".

Bearing of reference stake = N. 0° 05' 41" W.

Observation 2.

Observed vertical angle = 40° 33' 30"

Refrac. in zenith dist. = 0° 01' 08"

True vertical angle (V) = 40° 32' 22"

$$\text{Cos. Azm.} = \frac{\text{Sin. } 1° \ 34' \ 58''}{\text{Cos. } 40° \ 52' \ 50'' \text{ x Cos. } 40° \ 32' \ 22''}$$

-(Tan. 40° 52' 50" x Tan. 40° 32' 22")

= -.04807 - .74035 = -.78842.

Azm. Sun = S. 37° 57' 43" E.

Horizontal angle (from the sun to the left) = 142° 08' 30".

Bearing of reference stake = N. 0° 06' 13" W.

Mean = N. 0° 05' 57" W.

BOOK A-450

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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

8—20

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 62, STATE OF Utah.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	S. 3° 17' E.	19.61			19	58	1	12			1	12			21	92
2 - 3	S. 83° 31' E.	13.13			1	48	13	05			15	28			22	61
3 - 4	N. 0° 39' W.	8.15	8	15						09	28	23	230	07		
4 - 5	N. 89° 37' E.	35.88		24			35	86			64	01	15	36		
5 - 6	N. 6° 55' W.	8.85	8	79					1	07	98	81	868	54		
6 - 7	N. 83° 37' W.	23.82	2	65					23	67	74	06	196	26		
7 - 8	S. 83° 21' W.	14.68			1	70			14	58	35	80			60	86
8 - 1	N. 74° 36' W.	11.00	2	92					10	61	10	61	30	98		
		135.12	22	75	22	76	50	05	50	02			1341	21	105	39
					22	75	50	02					105	39		
	Errors:					01		03					20)1235	82		
													Area: 61	79 acres		
	Error of Closure =		1/4273													

Blank

Page

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

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 62, STATE OF Utah.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	Tie from Cor. 1 to U. S. Location Monument No. 258.								
	N. 74° 36' W.	19.46	5 17			18 76			
	N. 17° 30' W.	60.34	57.55			18 14			
	S. 66° 02' W.	9.14		3 71		8 35			
	S. 67° 41' W.	0.69		26		64			
			62 72	3 97		45 89			
			3 97						
			58 75						
	N. 38° 00' W.	74.55 chs.							

217

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 62, situated in Ashley National Forest, in unsurveyed Secs. 25 and 30, Tp. 2 N., Rs. 21 and 22 E., of the Salt Lake Base and Meridian, Utah; Oscar Swett, claimant;

executed by John C. Brown, Forest Ranger; W. B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated Sept. 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 63

SITUATED IN THE

ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Sections 19, 20, 29, 30, unsurveyed, Township 2 N, Range 22 E

of the

Salt Lake Base and Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger

Under special instructions dated September 8, 1913.

Survey commenced September 28, 1913.

Survey completed September 29, 1913.

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

Applicant for listing R. B. Green

Residence Vernal, Utah.

Application No. 30, dated September 9, 1908.

List No. 4-162, dated July 6, 1909.

Applicant for survey John E. Green

Residence Vernal, Utah.

H. E. No. 02825, dated June 8, 1910.

Land ~~district~~ office ~~Uintah.~~ Vernal.

8—2319

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 63, in unsurveyed Sections 19, 20, 29, 30, Township 2 North, Range 22 East, surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Lester E. Hitchcock
Mound & Rear Chainman

Albert A. Hardy
Rod & Head Chainman

Subscribed and sworn to before me this 29 day of September, 1913.

John C. Brown
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 8, 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. 4-162, dated July 6, 1909, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 63, situated within the Ashley National Forest, in unsurveyed Sections 19, 20, 29, 30, Township 2 N, Range 22 E, and surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base meridian, Utah, 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.

John C. Brown
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. M. Goshen
Notary Public

8-2249

orm 85
eet No. 1
d July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 63
and establishment of U. S. Location Monument No. 258.
SITUATED IN THE Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 19, 20 29 and 30 unsurveyed, Township 2 N., Range 22 E.

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing R. B. Green,

Residence Vernal, Utah.

Application No. 30, dated Sept. 9, 19 08

List No. 4-162, dated July 6, 19 09

Applicant for survey John E. Green,

Residence Vernal, Utah

H. E. No. 02825, dated June 8, 1910

Land ~~District~~ Office ~~Uintah~~. Vernal.

Survey executed by W. B. Rice, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 27, 19 15

Survey commenced June 25, 19 15

Survey completed June 25, 19 15

Under Acts of June 11, 1906; June 30, 1914.

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 63, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Albert A Hardy (Chairman)

Subscribed and sworn to before me this 25th. day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 27, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed a tract of land~~ established U. S. Location Monument No. 258 in connection with the survey of a tract of land embraced in List, No. 4-162, dated July 6, 1909, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 63, situated within the Ashley National Forest, in unsurveyed Sections 19, 20, 29, 30, Township 2 N., Range 22 E., and surveyed Section , Township , Range , of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of [illegible], 1916.

Geo. W. Goshen
Notary Public

SEAL

Chains

R. B. Green, applicant for listing, application No. 30, dated September 9, 1908. Entryman and present claimant John E. Green.

Special Instructions dated September 8, 1913, for H. E. Survey No. 63. Supplemental instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated approximately in unsurveyed Sections 19, 20, 29, and 30, Township 2 North, Range 22 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913, and June 30, 1914.

John C. Brown, Forest Ranger.

Survey commenced September 28, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 29, 1913; At a point which bears S. 23° 45' W., 49.76 chs. dist., from Cor. 1 of this survey, at 3 h. 26 m., P.M., l.m.t., I observe the altitude of the sun for azimuth.

Latitude = 40° 52' 50" N. : By account from surveyed
Longitude = 109° 29' W. : section lines.

Observation No. 1.

Observed vertical angle = 24° 55' 30"

Horizontal angle (from the sun to the right) = 69° 16'

HOMESTEAD ENTRY SURVEY NO. 63

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Observation No. 2.

Observed vertical angle = 24° 26' 30"

Horizontal angle (from the sun to the right) = 69° 51'.

From this observation I calculate the bearing of a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, as (1) S. 6° 54' 44" E., and (2) S. 6° 54' 32" E.

The mean of these two observations is S. 6° 54' 38" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 46' E.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-1 of the listing survey, and identical with Cor. H-1 of List 4-942, a yellow pine, 12 ins. in diameter, mkd. and witnessed as described by the Sur. Gen. I destroy the markings on this tree, and mark a rock in place alongside, showing 24 x 24 x 2 ins. above ground, 1-HES-63 on the E. face, 7-HES-64 on the N. face, and a cross (+) on top, for Cor. 1 of this survey, and Cor. 7 of H. E. S. No. 64 (unapproved), and raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 12 ins. in dia., blazed and scribed +-1-HES-63-BT, bears S. 23° 16' E., 170 lks. dist.

A yellow pine, 16 ins. in dia., blazed and scribed +-7-HES-64-BT, bears N. 82° 10' W., 65 lks. dist.

Cor. 6 of H. E. S. No. 62 (unapproved), which is a sandstone, firmly set, mkd. 6-HES-62 on the SW. face, and a cross (+) on top, and witnessed by two yellow pine bearing trees, being in sight, bears S. 23° 45' W., 49.76 chs. dist.

Chains

I destroy the witnesses to the listing cor.

W. B. Rice, Forest Examiner.

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; At U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P.M., l.m.t., I foresight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N. : From Ashley National
Longitude = 109° 30' 30" W. : Forest diagram.

U. C. Polaris, June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 01.2 m.
L.m.t., U. C. Polaris	7 h. 14.4 m., A.M.
L.m.t., obsn., June 25	8 h. 5 m., P.M.
Subtract from	12 h. 0 m.
Time to midnight	3 h. 55 m.
Add to	7 h. 14.4 m.
Argument	11 h. 09.4 m.

Azimuth of Polaris = N. 0° 19' E.

Bearing of reference stake = N. 76° 23' W.

June 25, 1915; At the same station, at 8 h. 17 m., P.M., l.m.t., I foresight on the reference stake, heretofore described, and turn 76° 46' to the

Chains

right to Polaris in position.

Latitude and longitude previously stated.

U. C. Polaris, June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 1.2 m.
L.m.t., U. C. Polaris	7 h. 14.4 m., A.M.
L.m.t. obsn., June 25, 1915	8 h. 17 m., P.M.
Subtract from	12 h. 00 m.
Time to midnight	3 h. 43 m.
Add to	7 h. 14.4 m.
Argument	10 h. 57.4 m.

Azimuth of Polaris = N. 0° 23'30" E.

Bearing of reference stake = N. 76° 22' 30" W.

The mean of these two observations is N. 76° 22' 45" W., and to the corresponding meridian all courses of this survey are referred.

This claim lies on the south side of Green River, while the only corners of the public survey within two miles lies on the North side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey.

Therefore I establish U. S. Location Monument No. 258 as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark +-USLM-258 for U. S. Location Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North 8 ft. dist.

A flat granite rock in place, showing 12 x 8 x 1 ft. above ground, mkd. +-USLM-258-BR, bears N. 59° 17' 26 lks. dist.

Chains

A flat granite rock, in place, showing 15 x 10 x 1 ft. above ground, mkd. +-USLM-258-BR, bears S. 38° 58' W., 26 lks. dist.

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about ¾ mile dist.

This monument is located on an open sagebrush ridge on the divide bet. Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument could be found in the vicinity.

Green River bears North about 2 miles dist.

From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears N. 81° 32' 30" W., 116.05 chs. dist., by traverse, computations of which are hereto attached.

June 25, 1915.

John C. Brown, Forest Ranger.

Thence

N. 45° 09' E.

Along line 7 - 6 of H. E. S. No. 64 (unapproved)

Over rolling land, through sagebrush and scattering yellow pine.

1.20 Road bears NW. and SE.

33.02 To Cor. 2, identical with Cor. H-2 of the listing survey, and identical with Cor. H-7 of List 4-942, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 26 x 20 x 3 ins., 16 ins. in the

Chains	
	ground, mkd. 2-HES-63 on the S. face, 6-HES-64 on the W. face, and a cross (+) on the top for Cor. 2 of this survey, and Cor. 6 of H. E. S. No. 64 (unapproved).
	A yellow pine, 30 ins. in dia., blazed and scribed +-6-HES-64-BT, bears N. 64° 41' W., 85 lks. dist.
	A yellow pine, 40 ins. in dia., blazed and scribed +-2-HES-63-BT, bears N. 51° 47' E., 24 lks. dist.
	I destroy the witnesses to the listing cor.
	Thence
	S. 35° 35' E.
	Over level land, through scattering yellow pine.
.60	Dry wash, course NE.
27.50	Dry wash, course NW.
	Fall along wash.
31.00	Leave wash.
32.70	Road bears NW. and SE.
36.80	Dry wash, course N.
46.92	To Cor. 3, identical with Cor. H-3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I mark a sandstone rock, in place, alongside, showing 5 x 3 x 1 ft. above ground, 3-HES-63 on the side facing the claim, and a cross (+) on top, for Cor. 3 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 18 ins. in dia., blazed and scribed +-3-HES-63-BT, bears N. 42° 03' E., 18 lks. dist.
	A yellow pine, 12 ins. in dia., blazed and scribed +-3-HES-63-BT, bears S. 62° 43' W., 65 lks. dist.
	I destroy the witnesses to the listing cor.

Chains	
	Thence
	S. 45° 25' W.
	Across sagebrush flat, through scattering yellow pine timber.
.75	Dry wash, course NW.
32.76	To Cor. 4, identical with Cor. H-4 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 39 x 19 x 6 ins., 16 ins. in the ground to bedrock, mkd. 4-HES-63 on the side facing the claim, and a cross (+) on top, for Cor. 4 of this survey.
	A yellow pine, 22 ins. in dia., blazed and scribed +-4-HES-63-BT, bears S. 64° 32' E., 237 lks. dist.
	A yellow pine, 16 ins. in dia., blazed and scribed +-4-HES-63-BT, bears S. 41° 53' W., 250 lks. dist.
	No other bearing objects available; pits impracticable.
	I destroy the witnesses to the listing cor.
	Thence
	N. 35° 52' W.
	Across level sagebrush land, through scattering yellow pine timber.
5.40	Road bears NE. and SW.
8.80	Dry wash, course NE.
11.20	Dry wash, course NE.
12.80	Road bears NE. and SW.
46.66	To Cor. 1, the place of beginning.
	Sept. 28, 1913.

Area

Total area of H. E. Survey No. 63: 152 acres.

HOMESTEAD ENTRY SURVEY NO. 63

8. Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Improvements.

The improvements on this claim, the property of the claimant herein, consist of the following:

Lumber cabin, 16 x 13 ft., course of long sides E. and W., the middle of which bears from Cor. 4, N. 10° 30' E., 19.70 chs. dist. Value $ 15.

Stack yard, 48 x 32 ft., course of long sides NW. and SE., middle of which bears from Cor. 4, N. 18° 30' E., 15.50 chs. dist. Value 20.

Total value of improvements $ 35.

Description.

This claim is situated in what is locally known as the "Louis Allen" section, a basin on the south side of Green River, about 30 miles to the north of Vernal, Utah, the most accessible settlement. Approximate elevation by aneroid barometer is 6,850 feet above sea level. No cultivated crops are being raised, but meadow hay is cut from different portions of the claim. Scattering patches of yellow pine of commercial size are found on the claim, which will probably be needed by the claimant for domestic purposes. Timber of commercial size borders this claim on the south and east. No mineral or indications of mineral appear within the boundaries of this survey. The soil is a sandy loam. No other claims or patented land conflicting. Line 1 - 2 adjoins line 7 - 6 of H. E. S. No. 64 (unapproved).

Chains

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

September 29, 1913.

John C. Brown

Forest Ranger,
(Surveyor)

June 25, 1915.

W. B. Rice.

Forest Examiner.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 63

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

COMPUTATION SHEET.

Direct Solar Observation for azimuth of reference line.

Latitude = 40° 52' 50" N. : By account from
Longitude = 109° 29' 07" W. : G. L. O. plats.

September 29, 1913.

3 h. 26 m., P.M., l.m.t.

Horz. Angle	Observed vert. Angle
(1) 69° 16' from sun to right	24° 55' 30"
(2) 69° 51' from sun to right	24° 26' 30"

True altitude = (1) 24° 53' 26", and (2) 24° 24' 24"

Declination = S. 2° 27' 05"

$$\text{Cos. A.} = \frac{\text{sin. decl.}}{\text{Cos. lat. x Cos. alt.}} - (\text{tan. lat. x tan. alt.})$$

Cos. A. = -.46400 (1)

Azimuth of sun = S. 62° 21' 16" W. (1)

Bearing of reference line = S. 6° 54' 44" E. (1)

Cos. A. = -.45491 (2)

Azimuth of sun = S. 62° 56' 28" W. (2)

Bearing of reference line = S. 6° 54' 32" E. (2)

Mean bearing = S. 6° 54' 38" E.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		
		[illegible]	

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 63, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	N. 45° 09' E.	33.02	23 30 / 23 29		23 40 / 23 41		23 40	545 22	
2 - 3	S. 35° 35' E.	46.92		38 14 / 38 16	27 29 / 27 30		74 09		2825 79
3 - 4	S. 45° 25' W.	32.76		22 99 / 23 00		23 34 / 23 33	78 04		1794 14
4 - 1	N. 35° 52' W.	46.66	37 83 / 37 81			27 35 / 27 34	27 35	1034 65	
		159.36	61 10	61 16	50 71	50 67		1579 87	4619 93
				61 10	50 67				1579 87
	Errors:			06	04				20)3040 06
			61 13	61 13	50 69	50 69			Area 152 00 acres

Error of closure = 1 / 2210

237

Blank

Page

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

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 63, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	S. 23° 45' W.	49.76			45	55			20	04						
	N. 83° 37' W.	23.82	2	65					23	67						
	S. 83° 21' W.	14.68			1	70			14	58						
	N. 74° 36' W.	30.46	8	09					29	37						
	N. 17° 30' W.	60.34	57	55					18	14						
	S. 66° 02' W.	9.14			3	71			8	35						
	S. 67° 41' W.	0.69				26				64						
			68	29	51	22			114	79						
			51	22												
			17	07												

N. 81° 32' 30" W. 116.05 chs. from Cor. 1 to U. S. Location Monument No. 258

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 63, situated in Ashley National Forest, in unsurveyed Secs. 19,20,29, and 30, Tp.2 N., R.22 E., of the Salt Lake Base and Meridian, Utah; John.E. Green, claimant;

executed by John C.Brown,Forest Ranger;W.B.Rice,Forest Examiner, [Forest Service Title.] under his special instructions, dated September 8, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

M. Thorsen
U. S. Surveyor General.

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

U. S. Surveyor General.

8—2349

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 64

SITUATED IN THE

Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Sections 19, 20, 30 unsurveyed, Township 2 N., Range 22 E.

of the

Salt Lake Base & Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger

Under special instructions dated Sept. 8, 1913

Survey commenced Sept. 28, 1913

Survey completed October 1, 1913

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

Applicant for listing W. M. Jackson.

Residence Vernal, Utah

Application No. 55, dated August 7, 1911

List No. 4-942, dated Dec. 14, 1911

Applicant for survey W. M. Jackson.

Residence Vernal, Utah

H. E. No. 04649, dated Jan. 30, 1913

Land ~~district~~ Office-Vernal. ~~Uintah.~~

8—219

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 64, in unsurveyed Sections 19, 20, 30 Township 2 N., Range 22 E., surveyed Section ....., Township ....., Range .....,

of the Salt Lake Base & meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Lester E. Hitchcock
Mound-, Flag- & Rear Chainman.

Albert R. Sharp
Mound-, Rod- & Head Chainman.

Subscribed and sworn to before me this 1 day of October, 1913.

John C. Brown.
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, Forest Ranger, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Sept. 8, 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. 4-942, dated Dec. 14, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 64, situated within the Ashley National Forest, in unsurveyed Sections 19, 20, 30 Township 2 N., Range 22 E., and surveyed Section ....., Township ....., Range .....,

of the Salt Lake B. & meridian, Utah, 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.

John C. Brown.
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL.

Jesse W. Joshua
Notary Public

8—2349

Form 85
Act No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 64
and establishment of U. S. Location Monument No. 258.

SITUATED IN THE Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 19, 20 and 30 unsurveyed, Township 2 N., Range 22 E.

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing W. M. Jackson,

Residence Vernal, Utah.

Application No. 55, dated August 7, 19 11

List No. 4-942, dated Dec. 14, 19 11

Applicant for survey W. M. Jackson,

Residence Vernal, Utah

H. E. No. 04649, dated January 30, 19 13

Land ~~District~~ Office ~~Uintah~~. Vernal.

Survey executed by W. B. Rice, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 27, 19 15

Survey commenced June 25, 19 15

Survey completed June 25, 19 15

Under Acts of June 11, 1906; June 30, 1914.

f—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 64, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 25th. day of June, 1915.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 27, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed a tract of land~~ established U. S. Location Monument No. 258 in connection with the survey of a tract of land embraced in

List, No. 4-942, dated Dec. 14, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 64, situated within the Ashley National Forest, in
un surveyed Sections 19,20,30 Township 2 N., Range 22 E., and
surveyed Section , Township , Range ,

of the Salt Lake Base & meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of February, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

W. M. Jackson, applicant for listing; application No. 55, dated August 7, 1911.

Special Instructions dated September 8, 1913, for H. E. Survey No. 63. Supplemental Instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated approximately in unsurveyed Sections 19, 20, and 30, Township 2 North, Range 22 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913, and June 30, 1914.

John C. Brown, Forest Ranger.

Survey commenced September 28, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, the horizontal limb having two double verniers placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 29, 1913. At a point which bears S. 23° 45' W., 49.76 chs. dist., from Cor. 7 of this survey, at 3 h. 26 m., P.M., l.m.t., I observe the altitude of the sun for azimuth.

Latitude = 40° 52' 50" N.: By account from surveyed
Longitude = 109° 29' W.: section line.

Observation No. 1.

Observed vertical angle = 24° 55' 30"

Horizontal angle (from the sun to the right) = 69° 16'

HOMESTEAD ENTRY SURVEY NO. 64

2. Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Observation No. 2.

Observed vertical angle = 24° 26' 30"

Horizontal angle (from the sun to the right) = 69° 51'

From this observation I calculate the bearing of a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, as (1) S. 6° 54' 44" E., and (2) S. 6° 54' 32" E.

The mean of these two observations is S. 6° 54' 38" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 46' E.

Beginning at Cor. 1 of this survey, identical with Cor. H-2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 28 x 16 x 5 ins., 18 ins. in the ground, over a cross mkd. on bedrock, for Cor. 1 of this survey, mkd. 1-HES-64 on the side facing the claim, and a cross (+) on top.

A yellow pine, 16 ins. in dia., blazed and scribed +-1-HES-64-BT, bears N. 18° 16' W., 128 lks. dist.

A yellow pine, 28 ins. in dia., blazed and scribed +-1-HES-64-BT, bears S. 48° 03' W., 28 lks. dist.

I destroy the witnesses to the listing cor.

W. B. Rice, Forest Examiner.

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the

Chains

horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; At U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P.M., l.m.t., I foresight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station, and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N. : From Ashley National
Longitude = 109° 30' 30" W. : Forest diagram.

U. C. Polaris June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 01.2 m.
L.m.t., U. C. Polaris	7 h. 14.4 m., A.M.
L.m.t., obsn. June 25	8 h. 5 m., P.M.
Subtract from	12 h. 0 m.
Time to midnight	3 h. 55 m.
Add to	7 h. 14.4 m.
Argument	11 h. 09.4 m.

Azimuth of Polaris = N. 0° 19' E.

Bearing of reference stake = N. 76° 23' W.

June 25, 1915; At the same station, at 8 h. 17 m., P.M., l.m.t., I foresight on the reference stake, heretofore described, and turn 76° 46' to the right to Polaris in position.

Latitude and longitude previously stated.

U. C. Polaris June 26, 1915	7 h. 15.6 m., A.M.
Longitude correction	0 h. 1.2 m.
L.m.t., U. C. Polaris	7 h. 14.4 m., A.M.
L.m.t. obsn. June 25, 1915	8 h. 17 m., P.M.
Subtract from	12 h. 00 m.
Time to midnight	3 h. 43 m.
Add to	7 h. 14.4 m.
Argument	10 h. 57.4 m.

HOMESTEAD ENTRY SURVEY NO. 64

4. Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Azimuth of Polaris = N. 0° 23' 30" E.

Bearing of reference stake = N. 76° 22' 30" W.

The mean of these two observations is N. 76° 22' 45" W., and to the corresponding meridian all courses of this survey are referred.

This claim lies on the south side of Green River, while the only corners of the public survey withi two miles lies on the north side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey.

Therefore I establish U. S. Location Monument No. 258 as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark +-USLM-258 for U. S. Locatio Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North 8 ft. dist.

A flat granite rock, in place, showing 12 x 8 x 1 ft. above ground, mkd. +-USLM-258-BR, bears N. 59° 17 W., 26 lks. dist.

A flat granite rock, in place, showing 15 x 10 x 1 ft above ground, mkd. +-USLM-258-BR, bears S. 38° 58 W., 26 lks. dist.

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about ¾ mile dist.

This monument is located on an open sagebrush ridge on the divide between Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument

Chains

could be found in the vicinity.

Green River bears North about 2 miles dist.

From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears S. 88° 44' 30" W., 97.43 chs. dist., by traverse, computations of which are hereto attached.

June 25, 1915.

John C. Brown, Forest Ranger.

Thence

N. 8° 48' E.

Over level land, through scattering yellow pine.

7.10 Dry wash, course W.

9.92 To Cor. 2, identical with Cor. H-3 of the listing survey, which is a red sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen. I destroy the listing cor. and on a sandstone rock, in place, alongside, showing 32 x 26 x 3 ins. above ground, I mark 2-HES-64 on the side facing the claim, and a cross (+) on top, for Cor. 2 of this survey, and raise a mound of stone, 3 ft. base, 3 ft. high, 4 ft. dist., within the claim.

A yellow pine, 16 ins. in dia., blazed and scribed +-2-HES-64-BT, bears S. 42° 22' W., 76 lks. dist.

A yellow pine, 30 ins. in dia., blazed and scribed +-2-HES-64-BT, bears N. 1° 26' W., 28 lks. dist.

I destroy the witnesses to the listing cor.

Thence

S. 82° 38' E.

Along edge of rocky ridge, through scattering yellow pine.

3.66 To Cor. 3, identical with Cor. H-4 of the listing

Chains

survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I mark on the exposed bedrock even with the surface of the ground, +-3-HES-64, for Cor. 3 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 12 ins. in dia., blazed and scribed +-3-HES-64-BT, bears N. 52° 44' E., 35 lks. dist.

A yellow pine, 10 ins. in dia., blazed and scribed +-3-HES-64-BT, bears S. 84° 26' W., 18 lks. dist.

I destroy the witnesses to the listing cor.

Thence

N. 8° 11' E.

Across rocky ground, through scattering yellow pine.

11.40 To Cor. 4, identical with Cor. H-5 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I mark on the exposed bedrock even with the surface of the ground, +-4-HES-64, for Cor. 4 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 22 ins. in dia., blazed and scribed +-4-HES-64-BT, bears N. 9° 15' W., 77 lks. dist.

A red cedar, 10 ins. in dia., blazed and scribed +-4-HES-64-BT, bears N. 83° 57' W., 78 lks. dist.

I destroy the witnesses to the listing cor.

Thence

S. 80° 00' E.

Across sagebrush flat.

10.50 Dry wash, course N. 15° E.

17.65 To Cor. 5, identical with Cor. H-6 of the listing survey, which is a sandstone, firmly set, mkd. and

Chains

witnessed as described by the Sur. Gen., in place of which I mark on a sandstone rock in place, alongside, showing 4 x 4 x 1 ft. above ground, 5-HES-64 on the side facing the claim, with a cross (+) on top, for Cor. 5 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 26 ins. in dia., blazed and scribed +-5-HES-64-BT, bears N. 78° 43' E., 13 lks. dist.

A yellow pine, 28 ins. in dia., blazed and scribed +-5-HES-64-BT, bears S. 65° 33' E., 99 lks. dist.

I destroy the witnesses to the listing cor.

October 1, 1913.

Thence

S. 28° 38' E.,

Along brow of hill.

Through scattering yellow pine, aspen and underbrush.

13.91 To Cor. 6, identical with Cor. H-7 of the listing survey, and identical with Cor. H-2 of List 4-162, which is a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 26 x 20 x 3 ins., 16 ins. in the ground, mkd. 6-HES-64 on the W. face, 2-HES-63 on the S. face, and a cross (+) on top for Cor. 6 of this survey, and Cor. 2 of H. E. S. No. 63 (unapproved).

A yellow pine, 30 ins. in dia., blazed and scribed +-6-HES-64-BT, bears N. 64° 41' W., 85 lks. dist.

A yellow pine, 40 ins. in dia., blazed and scribed +-2-HES-63-BT, bears N. 51° 47' E., 24 lks. dist.

I destroy the witnesses to the listing cor.

Thence

S. 45° 09' W.,

HOMESTEAD ENTRY SURVEY NO. 64

Ashley NATIONAL FOREST

STATE OF Utah.

Chains	
	Over rolling land, through sagebrush, over scattering yellow pine.
	Along line 2 - 1 of H. E. S. No. 63 (unapproved).
31.82	Road bears NW. and SE.
33.02	To Cor. 7, of this survey, identical with Cor. H-1 of t listing survey, and identical with Cor. H-1 of List 4-162, which is a yellow pine, 12 ins. in dia. mkd. and witnessed as described by the Sur. Gen. I destroy the markings on this tree, and mark a rock in place, alongside, showing 24 x 24 x 2 ins. above ground, 7-HES-64 on the N. face, 1-HES-63 on the E. face, and a cross (+) on top, for Cor. 7 of this survey, and Cor. 1 of H. E. S. No. 63 (unapproved), and raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 12 ins. in dia., blazed and scribed +-1-HES-63-BT, bears S. 23° 16' E., 170 lks. dist.
	A yellow pine, 16 ins. in dia., blazed and scribed +-7-HES-64-BT, bears N. 82° 10' W., 65 lks. dist.
	Cor. 6 of H. E. S. No. 62 (unapproved), which is a sandstone, firmly set, mkd. 6-HES-62 on the SW. face, and a cross (+) on top, and witnessed by two yellow pine bearing trees, being in sight, bears S. 23° 45' W., 49.76 chs. dist.
	September 28, 1913.
	Thence
	N. 42° 06' W.,
	Over level land, through scattering yellow pine.
25.92	To Cor. 1, the place of beginning.
	October 1, 1913.

Area.

Area of H. E. S. No. 64: 87.26 acres.

HOMESTEAD ENTRY SURVEY NO. 64

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

Improvements.

There are no improvements on this claim.

Description.

This claim is situated in what is locally known as the "Louis Allen" section, about 30 miles to the north from Vernal, Utah, the most accessible settlement. For the most part it is a natural meadow, from which grass might be cut for hay. The soil is a sandy loam. The claim is bounded on all sides by rocky ridges and scattering yellow pine. A small amount of fair-sized yellow pine is found within the boundaries along the edges of the claim. No mineral or indications of mineral found within this claim. No claims or patented land conflicting. Line 6 - 7 of this survey adjoins line 2 - 1 of H. E. S. No. 63.

It being impracticable to take my assistants before an officer, qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

October 1, 1913.

John C. Brown.
Forest Ranger.

June 25, 1915.

W. B. Rice.
Forest Examiner.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 64

Ashley NATIONAL FOREST

STATE OF Utah.

Chains

COMPUTATION SHEET.

Direct Solar Observation for azimuth of reference line.

Latitude = 40° 52' 50" N. : By account from
Longitude = 109° 29' 07" W. : G. L. O. plats.

September 29, 1913.

3 h. 26 m., P.M., l.m.t.

Horz. Angle	Observed Vert. Angle
(1) 69° 16' from sun to right	24° 55' 30"
(2) 69° 51' from sun to,right	24° 26' 30"

True altitude = (1) 24° 53' 26", and (2) 24° 24' 24"

Declination = S. 2° 27' 05"

$$\text{Cos. A.} = \frac{\text{sin. decl.}}{\text{Cos. lat. x Cos. alt.}} - (\text{Tan. Lat. x Tan. alt.})$$

Cos. A. = -.46400 (1)

Azimuth of sun = S. 62° 21' 16" W. (1)

Bearing of reference line = S. 6° 54' 44" E. (1)

Cos. A. = -.45491 (2)

Azimuth of sun = S. 62° 56' 28" W. (2)

Bearing of reference line = S. 6° 54' 32" E. (2)

Mean bearing = S. 6° 54' 38" E.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 64, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	N. 8° 48' E.	9.92	9	80			1	52			1	52	14	90		
2 - 3	S. 82° 38' E.	13.66			1	75	13 / 13	56 / 55			16	60			29	05
3 - 4	N. 8° 11' E.	11.40	11	28			1	62			31	78	358	48		
4 - 5	S. 80° 00' E.	17.65			3	06	17 / 17	39 / 38			50	79			155	42
5 - 6	S. 28° 38' E.	13.91			12	21	6 / 6	68 / 67			74	86			914	04
6 - 7	S. 45° 09' W.	33.02			23	29			23 / 23	40 / 41	58	14			1354	08
7 - 1	N. 42° 06' W.	25.92	19	23					17 / 17	37 / 38	17	37	334	03		
		125.48	40	31	40	31	40	74	40	79			707	41	2452	59
									40	74					707	41
	Errors:									05					20)1745	18
							40	77	40	77					Area: 87	26 acres
	Error of closure = 1/2510															

259

Blank

Page

3. In calculations of tailings 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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 64, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	S. 42° 06' E.	25.92		19 23	17 38				
	S. 23° 45' W.	49.76		45 55		20 04			
	N. 83° 37' W.	23.82	2 65			23 67			
	S. 83° 21' W.	14.68		1 70		14 58			
	N. 74° 36' W.	30.46	8 09			29 37			
	N. 17° 30' W.	60.34	57 55			18 14			
	S. 66° 02' W.	9.14		3 71		8 35			
	S. 67° 41' W.	0.69		26		64			
			68 29	70 45	17 38	114 79			
				68 29		17 38			
				2 16		97 41			

S. 88° 44' 30" W., 97.43 chs. from Cor. 1 to U. S. Location Monument No. 258.

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 64, situated in Ashley National Forest, in unsurveyed Secs. 19, 20, and 30, T. 2 N., R. 22 E., of the Salt Lake Base and Meridian, Utah; W. M. Jackson, claimant;

executed by John C. Brown, Forest Ranger; W. B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated September 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 55
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1918
SALT LAKE CITY, UTAH

BOOK [illegible]-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 68

SITUATED IN THE

Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Section 23, 24, 25 and 26, unsurveyed, Township [illegible], Range [illegible]

of the

Salt Lake Base & Meridian.

Utah

Survey executed by John C. Brown, Deputy Surveyor.

Under special instructions dated [illegible], 19[illegible]

Survey commenced Sept. 27, 19[illegible]

Survey completed [illegible], 19[illegible]

Under Acts of June 11, 1906, [illegible], 19[illegible].

Applicant for listing William R. Green, Jr.

Residence Vernal, Utah

Application No. 6, dated [illegible], 19[illegible]

List No. [illegible], dated [illegible], 19[illegible]

Applicant for survey William R. Green, Jr.

Residence Vernal, Utah

H. E. No. [illegible], dated [illegible]

Land ~~District~~ Office Vernal. ~~Utah~~

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 65, in unsurveyed Section s 23, 24 25, 26 Township 2 N., Range 21 E., surveyed Section ....., Township ....., Range .....,

of the Salt Lake B.& meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Lester E. Hitchcock
Mound and Chainman

Albert A. Hardy
Rod & Head Chainman

Subscribed and sworn to before me this 3 day of Oct., 1913.

John C. Brown.
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Sept. 8, 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. 335, dated Aug. 27, 1907, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 65, situated within the Ashley National Forest, in unsurveyed Section s 23, 24 Township 2 N., Range 21 E., and surveyed Section 25, 26 Township ....., Range .....,

of the Salt Lake B.& meridian, Utah, 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.

John C. Brown
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. W. Goshen
Notary Public.

Form 85
Sect No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 65

and Establishment of U. S. Location Monument No. 258.

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 23, unsurveyed, Township 2 N., Range 21 E., 24, 25 and 26

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing William R. Green, Jr.

Residence Vernal, Utah

Application No. 6 , dated September 13 , 1906

List No. 335 , dated August 27 , 1907

Applicant for survey William R. Green, Jr.

Residence Vernal, Utah

H. E. No. 0861 , dated June 16 , 1908

Land ~~District~~ office ~~Uintah~~. Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated May 27 , 1915

Survey commenced June 25 , 1915

Survey completed June 25 , 1915

Under Acts of June 11, 1906; June 30, 1914.

E—2340

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 65, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

Albert A. Hardy (Chainman)

Subscribed and sworn to before me this 25th. day of June, 1915.

W. B. Rice
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 27, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed or tract of land~~ erected U. S. Location Monument No. 258, and surveyed a tract of land embraced in

List, No. 335, dated Aug. 27, 1907, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 65, situated within the Ashley National Forest, in
un surveyed Sections 23-24, Township 2 N., Range 21 E., and
surveyed Section 25-26, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of February, 1916.

SEAL

Geo. W. Goshen
Notary Public

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

William R. Green, Jr., applicant for listing, Application No. 6, dated September 13, 1906.

Special Instructions dated September 8, 1913, for H. E. Survey No. 65.

Supplemental Instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated approximately in unsurveyed Sections 23, 24, 25 and 26, Township 2 North, Range 21 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913 and June 30, 1914.

JOHN C. BROWN, FOREST RANGER

Survey commenced September 27, 1913, and executed with W. and L. E. Gurley Light Mountain Transit No. 12968, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 27, 1913; I project the meridian established by me on September 25, 1913, for H. E. S. No. 60, and described in the field notes of that survey, to Cor. 1 of this survey, and to this meridian all courses of this survey are referred.

September 27, 1913; at Cor. 2 of this survey, at 2 h. 57 m., P. M., apparent time, I observe the altitude of the sun for Azimuth

Chains	
	Latitude = 40° 53' N.) By account from surveyed
	Longitude = 109° 30¾' W.) section lines.
	Observed Altitude = 33° 09' 30"
	Horizontal Angle (from the sun to the left) = 232° 21'
	From this observation, I calculate the bearing of a reference stake, firmly set, centered with a tack, 5 chs. dist., as N. 0° 00' 10" W.
	This meridian agrees within 01' of arc with the meridian projected from H. E. S. No. 60.
	Mean Magnetic Declination = 16° 46' E.
	RETRACEMENT
	Beginning at Cor. H-4 of List No. 334 (will be identical with 1-HES-66, unapproved), a sandstone, firmly set, mkd. H-4, Cor. H-5 of List No. 335 being visible, I run
	Thence
	N. 89° 08' W.,
	On a true line along the N. boundary of List 334.
7.71	Cor. H-2 of List No. 335, a sandstone, firmly set, mkd. H-2.
	Thence
	On line between Lists 334 and 335.
40.11	Cor. H-1 of List 334, a cedar post, firmly set, mkd. H-1.
	Thence
	Along the S. boundary of List 335.
47.51	To Cor. H-5 of List No. 335, a sandstone, firmly set, mkd. H-5.

October 2, 1913.

Chains

BEGINNING AT COR. 1 of this survey, identical with Cor. H-3 of the listing survey, a sandstone, firmly set, mkd. H-3, in place of which I set a sandstone, 36 x 12 x 4 ins., 26 ins. in the ground, over a sandstone 4 x 4 x 1 ins., mkd. with a cross (x), for Cor. 1 of this survey; mkd. 1-HES-65 on the side facing the claim and a cross (x) on the top.

A yellow pine, 12 ins. in dia., blazed and scribed X-1-HES-65-BT, bears S. 41° 51' E., 180 lks. dist.

A yellow pine, 10 ins. in dia., blazed and scribed X-1-HES-65-BT, bears S. 65° 22' E., 173 lks. dist.

Cor. 2 of H. E. S. No. 60, a sandstone, showing 14 x 10 x 6 ins. above ground, mkd. 2-HES-60 on the NW. face, and a cross (x) on the top, and witnessed by a mound of stone, being in sight, bears N. 59° 02' W., 10.27 chs. dist.

October 3, 1913.

W. B. RICE, FOREST EXAMINER

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; at U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P. M., l. m. t., I foresight on a reference stake, firmly set,

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

4. STATE OF UTAH.

Chains

centered with a tack, 10 chs. dist. from my station, and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N.) From Ashley National
Longitude = 109° 30' 30" W.) Forest Diagram.

U. C. Polaris, June 26, 1915 - - - 7 h. 15.6 m., A. M.
Longitude Correction - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - 7 h. 14.4 m., A. M.

L. m. t., obsn., June 25, 1915 - - 8 h. 05 m., P. M.
Subtract from - - - - - - - - - - - 12 h. 00 m.
Time to midnight - - - - - - - - 3 h. 55 m.
Add to - - - - - - - - - - - - - - - 7 h. 14.4 m.
Argument - - - - - - - - - - - - - - 11 h. 09.4 m.
Azimuth of Polaris = N. 0° 19' E.
Bearing of reference stake = N. 76° 23' W.

June 25, 1915; at the same station, at 8 h. 17 m., P. M., l. m. t., I foresight on the reference stake, heretofore described, and turn 76° 46' to the right to Polaris in Position.

Latitude and Longitude previously stated.

U. C. Polaris, June 26, 1915 - - - 7 h. 15.6 m., A. M.
Longitude Correction - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - 7 h. 14.4 m., A. M.

L. m. t., obsn., June 25, 1915 - - 8 h. 17 m., P. M.
Subtract from - - - - - - - - - - - 12 h. 00 m.
Time to midnight - - - - - - - - 3 h. 43 m.
Add to - - - - - - - - - - - - - - - 7 h. 14.4 m.
Argument - - - - - - - - - - - - - - 10 h. 57.4 m.
Azimuth of Polaris = N. 0° 23' 30" E.
Bearing of reference stake = N. 76° 22' 30" W.

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

The mean of these two observations is N. 76° 22' 45" W., and to the corresponding meridian all courses of this survey are referred.

This claim lies on the South side of Green River, while the only corners of the public survey within two miles lies on the North side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey. Therefore, I establish U. S. Location Monument No. 258 as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark X-USLM-258 for U. S. Location Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North, 8 ft. dist.

A flat granite rock, in place, showing 12 x 8 x 1 ft. above ground, mkd. X-USLM-258-BR, bears N. 59° 17' W., 26 lks. dist.

A flat granite rock, in place, showing 15 x 10 x 1 ft. above ground, mkd. X-USLM-258-BR, bears S. 38° 58' W., 26 lks. dist.

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about 3/4 mile dist.

This monument is located on an open sagebrush ridge on the divide between Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument could be found in the vicinity.

Green River bears North about 2 miles dist.

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

6. STATE OF UTAH.

Chains	
	From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears S. 87° 32' E., 17.25 chs. dist., by traverse, computations of which are hereto attached.
	From Cor. 1 of this survey, Cor. 1 of H. E. S. No. 61 (unapproved), a sandstone, firmly set, mkd. 1-HES-61 on the SE. face, with a cross (x) on the top, and witnessed by pits and mound of earth, bears N. 82° 59' E., 26.42 chs. dist., by traverse, computations of which are hereto attached.
	June 25, 1915.
	JOHN C. BROWN, FOREST RANGER
	Thence
	S. 0° 54' W.,
	Along and under the rimrock of a gorge, through sagebrush.
24.00	Ascend about 12 ft. across the rimrock.
39.40	Dry drainage, course N.
39.78	To Cor. 2, identical with Cor. H-2 of listing survey, a sandstone, firmly set, mkd. H-2, in place of which I set a sandstone, 24 x 14 x 8 ins., 14 ins. in the ground, over a sandstone, 9 x 8 x 1 in., mkd. with a cross (x), for Cor. 2 of this survey; mkd. 2-HES-65 on side facing the claim, with cross (x) on top.
	A yellow pine, 24 ins. dia., blazed and scribed X-2-HES-65-BT, bears N. 84° 33' E., 113 chs. dist.
	A yellow pine, 8 ins. dia., blazed and scribed X-2-HES-65-BT, bears N. 20° 55' E., 156 lks. dist.
	Cor. H-4 of List No. 334, heretofore described (will be identical with Cor. 1 of H. E. S. No. 66), being

Chains	
	in sight, bears S. 89° 08' E., 7.71 chs. dist.
	October 3, 1913.
	Thence
	N. 89° 08' W.,
	Along the N. boundary of List No. 334
	Over rolling sagebrush land.
8.50	Small stream, 3 lks. wide, 3 ins. deep, flows N.
10.00	Road bears N. and S.
25.20	Road bears NW. and SE.
32.40	Cor. H-1 of listing survey, a cedar post, firmly set, mkd. as described by the Sur. Gen., and identical with Cor. H-1 of List No. 334, (and will be identical with Cor. 4 of H. E. S. No. 66 (unapproved).
	I destroy the listing corner.
	Ascend steep hillside.
39.80	To Cor. 3, about 100 ft. above point of ascent, identical with Cor. H-5 of listing survey, a sandstone, firmly set, mkd. H-5, in place of which I set a sandstone, 26 x 26 x 12 ins., on bedrock, and in a mound of stone, mkd. 3-HES-65 on side facing the claim, with cross (x) on top, for Cor. 3 of this survey; from which
	A yellow pine, 20 ins. dia., blazed and scribed X-3-HES-65-BT, bears N. 86° 58' E., 14 lks. dist.
	A yellow pine, 24 ins. dia., blazed and scribed X-3-HES-65-BT, bears N. 52° 15' E., 74 lks. dist.
	October 2, 1913.
	Thence
	N. 0° 10' E.,
	Over rolling sagebrush land.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains	
1.30	Road bears NE. and SW.
23.20	Dry drainage, course E.
39.89	To Cor. 4, identical with Cor. H-4 of listing survey, a sandstone, firmly set, mkd. H-4, in place of which I set a sandstone, 38 x 16 x 4 ins., 18 ins. in the ground (impossible to set deeper), over a sandstone, 6 x 5 x 4 ins., mkd. with a cross (x), for Cor. 4 of this survey; mkd. 4-HES-65 on side facing the claim, with cross (x) on top. No bearings; raise a mound of boulders, 3 ft. base, 4 ft. high, 4 ft. dist., within the claim. Pits impracticable.
	Thence S. 88° 52' E.,
	Across low, rocky hill, through sagebrush.
25.60	Fence bears N. 18° 00' E. and S. 18° 00' W.
	Enter cultivated land, bears NE. and SW.
30.90	Road bears N. and S.
31.80	Leave cultivated land; enter sagebrush, bears N. and S.
	Cross ditch, 3 lks. wide, 3 ins. deep, flows N.
32.40	Rimrock of gorge, course N. and S.
	Descend steep rocky gorge.
36.00	Small stream, 2 lks. wide, 2 ins. deep, flows N., about 60 ft. below point of descent.
	Ascend steep, rocky side of gorge.
40.22	To Cor. 1, the place of beginning, about 60 ft. above point of ascent.

AREA

Total area of H. E. Survey No. 65: 159.41 acres.

October 3, 1913.

Chains

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

Log cabin, 20 x 16 ft., course of long sides N. and S., the middle of which bears from Cor. 3, N. 81° 45' E., 9.20 chs. dist.

Value $ 60.00

Corral, about 50 ft. N. and S. by 30 ft. E. and W., the center of which bears from Cor. 3, N. 79° 00' E., 14.50 chs. dist.

Value $ 20.00

Stack yard, 70 ft. NE. and SW. by 50 ft. SE. and NW., the middle of which bears from Cor. 2, N. 38° 00' W., 8.00 chs. dist.

Value $ 40.00

About 3/4 mile of fencing. Value $ 90.00

Total value of improvements. $210.00

Other improvements, belonging to this claimant, but situated outside the boundaries of this survey, and within the adjoining H. E. Survey No. 66, are described in my field notes of H. E. S. No. 66.

DESCRIPTION.

This claim is situated in what is locally known as the "Louis Allen" section, a basin on the south side of Green River. Approximate elevation by aneroid barometer is 6,800 feet above sea level. Two pieces of land, about 12 acres, one near the center, the other near the NE. cor., have been fenced and put under cultivation. The crops raised are hay, grain and garden truck. Water is obtained from

HOMESTEAD ENTRY SURVEY NO. 65

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

springs, one of which rises near the cabin on the southwest portion of the claim, and the other on the claim towards the south. About 70 acres of the remaining portion of the claim (outside of the fenced area) is good agricultural land, covered with sagebrush. On and near the southwest corner of the claim are a few scattering yellow pine trees of commercial size, which will probably be needed by the claimant for domestic purposes. Approximately 15 acres along the east and at the northeast corner are occupied by a rocky gorge. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Part of line 2-3 adjoins part of line 4-1 of H. E. Survey No. 66 (unapproved). Soil is a sandy loam. Vernal, Utah, the most accessible settlement lies about 30 miles to the south by wagon road.

It being impracticable to take my assistants before an officer, qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

October 3, 1913.

John C. Brown.
Forest Ranger
(Surveyor)

June 25, 1915.

W. B. Rice.
Forest Examiner.

Chains

COMPUTATION SHEET - DIRECT SOLAR

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

September 27, 1913.

At 2 h. 57 m., P. M., apparent time.

Latitude = 40° 53' N.

Longitude = 109° 30' 45" W.

Declination = S. 1° 39' 41"

Observed Vertical Angle = 33° 09' 30"

Refrac. in Zenith dist. = 0° 01' 28"

True Vertical Angle (V) = 33° 08' 02"

$$\text{Cos. Azm.} = \frac{\text{Sin. 1° 39' 41"}}{\text{Cos. 40° 53' x Cos. 33° 08' 02"}} - (\text{Tan. 40° 53' x Tan. 33° 08' 02"})$$

Azm. Sun = S. 52° 20' 50" W.

Horizontal Angle (from the sun to the left) = 232° 21'

Bearing of reference line = N. 0° 00' 10" W.

Form 51.
Sheet No. 2

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 65, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	S. 0° 54' W.	39.78			39	76 / 78				61 / 63	80	17			3187	56	
2 - 3	N. 89° 08' W.	39.80		63 / 61					39 / 39	78 / 80	39	78	25	06			
3 - 4	N. 0° 10' E.	39.89	39 / 39	91 / 89				13 / 12				15	5	99			
4 - 1	S. 88° 52' E.	40.22				78 / 80	40 / 40	24 / 21			40	54			31	62	
		159.69	40	50	40	58	40	33	40	43			31	05	3219	18	
					40	50			40	33					31	05	
	Errors:					08				10					20)3188	13	
			40	54	40	54	40	39	40	39				Area	159	41	Acres

Error of Closure = $\frac{1}{1247}$

281

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 65, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
Tie from Cor. 1 to U. S. L. M. No. 258.																
	S. 35° 58' E.	0.51				41		30								
	S. 83° 55' E.	6.62				70	6	58								
	S. 89° 43' E.	6.27				03	6	27								
	N. 84° 24' E.	4.10		40			4	08								
				40	1	14	17	23								
						40										
						74										
		S. 87° 32' E., 17.25 chs.														
Tie from Cor. 1 to Cor. 1 of H. E. S. No. 61.																
	S. 35° 58' E.	0.51				41		30								
	S. 83° 55' E.	6.62				70	6	58								
	S. 89° 43' E.	6.27				03	6	27								
	N. 84° 24' E.	4.10		40			4	08								
	N. 67° 41' E.	0.69		26				64								
	N. 66° 02' E.	9.14	3	71			8	35								
			4	37	1	14	26	22								
			1	14												
			3	23												
		N. 82° 59' E., 26.42 chs.														

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 26, 1916.

The foregoing field notes of Homestead Entry Survey No. 65, situated in Ashley National Forest, in unsurveyed Secs. 23, 24, 25 and 26, Tp. 2 N., R. 21 E., of the Salt Lake Base and Meridian, Utah; William R. Green, Jr., claimant;

executed by John C. Brown, Forest Ranger; W. B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated September 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

BOOK A-430

FIELD NOTES

OF

G.N.

HOMESTEAD ENTRY SURVEY NO. 66

SITUATED IN THE

Ashley NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

in

Sections 25, 26 unsurveyed, Township 2 N., Range 21 E.

of the

Salt Lake Base & Meridian.

Utah

Survey executed by John C. Brown, Forest Ranger.

Under special instructions dated Sept. 8, 1913

Survey commenced Oct. 6, 1913

Survey completed Oct. 7, 1913

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

Applicant for listing Rosina Green,

Residence Vernal, Utah

Application No. 18, dated July 4, 1907

List No. 334, dated Aug. 27, 1907

Applicant for survey Daniel E. Nelson

Residence Vernal, Utah

H. E. No. Not known dated April 28, 1913

Land ~~xxxxxxxx~~ Office, Vernal.

8—2349

OATH OF ASSISTANTS

We hereby certify that we assisted John C. Brown Forest Ranger (Surveyor) in surveying all those parts or portions of Homestead Entry Survey No. 66, in unsurveyed Sections 25, 26, Township 2 N., Range 21 E., surveyed Section ....., Township ....., Range .....,

of the Salt Lake B. & M. meridian, State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Lester E. Hitchcock
Mound & Rear Chainman

Albert D. Hardy
Rod & Head Chainman

Subscribed and sworn to before me this 7 day of Oct., 1913.

John C. Brown
Forest Ranger (Surveyor)

OATH OF SURVEYOR

I, John C. Brown, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Sept. 8, 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. 334, dated Aug. 27, 1907, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 66, situated within the Ashley National Forest, in unsurveyed Sections 25, 26 Township 2 N., Range 21 E., and surveyed Section ....., Township ....., Range .....,

of the Salt Lake B. & M. meridian, Utah, 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.

John C. Brown
Forest Ranger (Surveyor)

Subscribed and sworn to before me this 2nd day of July, 1914.

SEAL

Geo. H. Joshen
Notary Public

Form 85
Sheet No. 1
(Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 66
and Establishment of U. S. Location Monument No. 258
SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 25, unsurveyed, Township 2 N., Range 21 E.,
and 26

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing Rosina Green

Residence Vernal, Utah.

Application No. 18 , dated July 4 , 1907

List No. 334 , dated August 27 , 1907

Applicant for survey Daniel E. Nelson

Residence Vernal, Utah.

H. E. No. Not known , dated April 28 , 1913

Land ~~XXXXXX~~ Office, Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated May 27 , 1915

Survey commenced June 25 , 1915

Survey completed June 25 , 1915

Under Acts of June 11, 1906; June 30, 1914.

8—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 66, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Albert A. Hurdy Chainman

Subscribed and sworn to before me this 25 th. day of June, 1915.

W B Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 27, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, ~~surveyed a tract of land~~ erected U. S. Location Monument No. 258, and surveyed a tract of land embraced in

List, No. 334, dated Aug. 27, 1907, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 66, situated within the Ashley National Forest, in un surveyed Sections 25-26, Township 2 N., Range 21 E., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner
[Forest Service Title.]

Subscribed and sworn to before me this 24 th day of February, 1916.

Geo. W. Goshen
Notary Public

SEAL.

1—230.

Chains

Rosina Green, applicant for listing, Application No. 18, dated July 4, 1907.

Entryman and present claimant, Daniel E. Nelson.

Special Instructions dated September 8, 1913, for H. E. Survey No. 66.

Supplemental Instructions dated May 27, 1915, for the establishment of U. S. Location Monument No. 258.

Claim situated in approximately unsurveyed Sections 25 and 26, Township 2 North, Range 21 East, of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, March 4, 1913, and June 30, 1914.

JOHN C. BROWN, FOREST RANGER

Survey commenced September 27, 1913, and executed with W. and L. E. Gurley Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

September 27, 1913; I project the meridian established by me on September 25, 1913, in H. E. S. No. 60 (unapproved), and described in my field notes of that survey, to Cor. 1 of this survey, and to this meridian all courses of this survey are referred.

September 27, 1913; at Cor. 2 of H. E. S. No. 65 (unapproved), a point on line Cor. 1-4 of this survey, at 2 h. 57 m., P. M., apparent time, I observe the

HOMESTEAD ENTRY SURVEY NO. 66

ASHLEY NATIONAL FOREST

STATE OF UTAH.

Chains

altitude of the sun for Azimuth.

Latitude = 40° 53' N.) By account from surveyed
Longitude = 109° 30½' W.) section lines.

Observed Vertical Angle = 33° 09' 30"

Horizontal Angle (from the sun to the left) = 232° 21'

From this observation, I calculate the bearing of a reference stake, firmly set, centered with a tack, 5 chs. dist., as N. 0° 00' 10" W.

This meridian agrees within 01' of arc with the meridian projected from H. E. S. No. 60.

Mean Magnetic Declination = 16° 46' E.

RETRACEMENT.

Beginning at Cor. H-4 of List No. 334 (will be identica with Cor. 1 of this survey), a sandstone, firmly set, mkd. H-4, Cor. H-5 of List No. 335 being visible, I run

Thence

N. 89° 08' W.,

On a true line along the N. boundary of List No. 334.

7.71 Cor. H-2 of List No. 335 (will be identical with 2-HES-65, unapproved), a sandstone, firmly set, mkd. H-2

Thence

On line between Lists Nos. 334 and 335.

40.11 Cor. H-1 of List No. 334 (will be identical with Cor. 4 of this survey), a cedar post, firmly set, mkd. H-

Thence

Along the S. boundary of List No. 335.

47.61 To Cor. H-5 of List No. 335 (will be identical with

Chains

Cor. 3 of H. E. S. No. 65, (unapproved), a sandstone, firmly set, mkd. H-5.

October 2, 1913.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-4 of the listing survey, a sandstone, firmly set, mkd. as described by the Sur. Gen., in place of which I set a sandstone, 24 x 16 x 3 ins., 14 ins. in the ground, over a sandstone, 8 x 3 x 2 ins., mkd. with a cross (x), for Cor. 1 of this survey, mkd. 1-HES-66 on the side facing the claim, with a cross (x) on the top.

A yellow pine, 30 ins. dia., blazed and scribed X-1-HES-66-BT, bears N. 85° 09' W., 302 lks. dist.

A yellow pine, 28 ins. dia., blazed and scribed X-1-HES-66-BT, bears S. 80° 00' W., 479 lks. dist.

No other bearings available. Pits impracticable.

W. B. RICE, FOREST EXAMINER

Survey executed June 25, 1915, with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lufkin 2-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

June 25, 1915; at U. S. Location Monument No. 258, hereafter described, at 8 h. 5 m., P. M., l. m. t., I foresight on a reference stake, firmly set, centered with a tack, 10 chs. dist. from my station

HOMESTEAD ENTRY SURVEY NO. 66

ASHLEY NATIONAL FOREST

4. STATE OF UTAH.

Chains

and turn 76° 42' to the right to Polaris in position.

Latitude = 40° 53' 30" N.) From Ashley National
Longitude = 109° 30' 30" W.) Forest Diagram.

U. C. Polaris, June 26, 1915 - - - 7 h. 15.6 m., A. M.
Longitude Correction - - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - - 7 h. 14.4 m., A. M.

L. m. t., obsn., June 25, 1915 - - 8 h. 05 m., P. M.
Subtract from - - - - - - - - - - - 12 h. 00 m.
Time to midnight - - - - - - - - - 3 h. 55 m.
Add to - - - - - - - - - - - - - - 7 h. 14.4 m.
Argument - - - - - - - - - - - - - 11 h. 09.4 m.
Azimuth of Polaris = N. 0° 19' E.
Bearing of reference stake = N. 76° 23' W.

June 25, 1915; at the same station, at 8 h. 17 m., P.M. l. m. t., I foresight on the reference stake heretofore described, and turn 76° 46' to the right to Polaris in position.

Latitude and Longitude previously stated.

U. C. Polaris, June 26, 1915 - - - 7 h. 15.6 m., A. M.
Longitude Correction - - - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - - 7 h. 14.4 m., A. M.

L. m. t., obsn., June 25, 1915 - - 8 h. 17 m., P. M.
Subtract from - - - - - - - - - - - 12 h. 00 m.
Time to midnight - - - - - - - - - 3 h. 43 m.
Add to - - - - - - - - - - - - - - 7 h. 14.4 m.
Argument - - - - - - - - - - - - - 10 h. 57.4 m.
Azimuth of Polaris = N. 0° 23' 30" E.
Bearing of reference stake = N. 76° 22' 30" W.

The mean of these two observations is N. 76° 22' 45" W.,

Chains

and to the corresponding meridian all courses of this survey are referred.

This claim lies on the south side of Green River, while the only corners of the public survey within two miles lies on the north side. Green River being impassable on account of high water, I was unable to make a tie to any corner of the public survey. Therefore, I establish U. S. Location Monument No. 258 as follows:

On a sandstone rock, in place, showing 5 x 4 x 1 ft. above ground, I mark X-USLM-258 for U. S. Location Monument No. 258.

Raise a mound of stone, 6 ft. base, 4 ft. high, North, 8 ft. dist.

A flat granite rock, in place, showing 12 x 8 x 1 ft. above ground, mkd. X-USLM-258-BR, bears N. 59° 17' W., 26 lks. dist.

A flat granite rock, in place, showing 15 x 10 x 1 ft. above ground, mkd. X-USLM-258-BR, bears S. 38° 58' W., 26 lks. dist.

Green River Ranger Station bears S. 55° 46' E., about 1 mile dist.

Mrs. Elizabeth Swett's cabin bears S. 40° 25' E., about 3/4 mile dist.

This monument is located on an open sagebrush ridge on the divide between Allen and Trail Creeks. The monument is visible for more than a mile from the south and east, but beyond a few chains on the north and west is hidden by yellow pine timber. No more suitable place for a monument could be found in the vicinity.

Green River bears North about 2 miles dist.

From Cor. 1 of this survey, U. S. Location Monument No. 258, heretofore described, bears N. 14° 32' E.,

Chains

40.45 chs. dist., by traverse, computations of which are hereto attached.

JOHN C. BROWN, FOREST RANGER

Thence

S. 0° 27' W.,

Over rolling sagebrush land.

20.00 Road bears NW. and SE.

35.40 Road, Vernal, Utah to Lonetree, Wyoming, bears E. and W.

39.73 To Cor. 2, identical with Cor. H-3 of listing survey, a sandstone, firmly set, mkd. H-3, in place of which I set a sandstone, 30 x 12 x 5 ins., 20 ins. in the ground, over a sandstone, 7 x 4 x 3 ins., mkd. with a cross (x), for Cor. 2 of this survey; mkd. 2-HES-66 on side facing the claim, with cross (x) on top. No bearings; raise a mound of sandstone, 3 ft. base, 4 ft. high, 3½ ft. dist., within the claim.

Pits impracticable.

October 6, 1913.

Thence

N. 89° 30' W.,

Over rolling sagebrush land.

40.14 To Cor. 3, identical with Cor. H-2 of listing survey, a sandstone, firmly set, mkd. H-2, in place of which I set a sandstone, 26 x 16 x 7 ins., 16 ins. in the ground, over a sandstone, 7 x 6 x 2 ins., mkd. with a cross (x), for Cor. 3 of this survey; and surround it with a mound of stone, mkd. 3-HES-66 on side facing the claim, with cross (x) on top, from which

A yellow pine, 12 ins. dia., blazed and scribed X-3-HES-

Chains	
	66-BT, bears S. 19° 21' E., 24 lks. dist.
	A yellow pine, 16 ins. dia., blazed and scribed X-3-HES-66-BT, bears S. 81° 04' W., 124 lks. dist.
	Thence
	N. 0° 31' E.,
2.50	Road, Vernal, Utah to Lonetree, Wyoming, bears E. and W.
	Through scattering yellow pine.
36.00	Road bears E. and W.
40.00	To Cor. 4, identical with Cor. H-1 of listing survey, a cedar post, firmly set, mkd. as described by the Sur. Gen., in place of which I set a sandstone, 30 x 26 x 4 ins., 20 ins. in the ground, over a sandstone, 5 x 3 x 1 in., mkd. with a cross (x), for Cor. 4 of this survey; mkd. 4-HES-66 on side facing the claim, with cross (x) on top. No bearings; raise a mound of sandstone, 3 ft. base, 3 ft. high, 6 ft. dist., within the claim. Pits impracticable.
	Cor. 3 of H. E. S. No. 65, established by me, a sandstone, 26 x 26 x 12 ins., set on bedrock, in a mound of stone, mkd. 3-HES-65 on NE. face, bears N. 89° 08' W., 7.40 chs. dist.
	Middle of W. R. Green's cabin bears N. 47° 00' E., 2.00 chs. dist.
	October 7, 1913.
	Thence
	S. 89° 08' E.,
	Along line 3-2 of H. E. S. No. 65.
7.30	Road bears NW. and SE.
22.60	Road bears N. and S.
24.20	Small stream, 3 lks. wide, 3 ins. deep, flows N.
32.40	Cor. 2 of H. E. S. No. 65, established by me, a sandstone, 14 x 8 x 10 ins. above ground, mkd. 2-HES-

Chains	
	65 on NW. face.
32.80	Dry drainage, course N.
40.11	To Cor. 1, the place of beginning.

AREA

Area of H. E. Survey No. 66: 159.97 acres.

October 2, 1913.

IMPROVEMENTS

No improvements belonging to this claimant were found on this claim.

OTHER IMPROVEMENTS

The following improvements belonging to the present claimant of the adjoining H. E. S. No. 65, were found at the north end of this claim:

Log cabin, 18 x 16 ft., course of long sides N. and S., the middle of which bears from Cor. 2 of H. E. S. No. 65, S. 87° 00' W., 7.70 chs. dist.

Value $100.00

Dugout cellar, 12 x 12 ft., the middle of which bears from Cor. 2, S. 80° 00' W., 8.10 chs. dist.

Value $ 35.00

Shed, 12 x 12 ft., the middle of which bears from Cor. 2, S. 78° 00' W., 5.30 chs. dist.

Value $ 15.00

Corral, 100 ft. NW. and SE. x 70 ft. SW. and NE., the center of which bears from Cor.2, S. 68° 30' W., 6.90 chs. dist.

Value $ 50.00

Chains

Total value of improvements. $200.00

DESCRIPTION

This claim is situated in what is locally known as the "Louis Allen" section, a basin on the south side of Green River. Approximate elevation by aneroid barometer is 6900 feet above sea level. The claim is bounded on the north by H. E. S. No. 65 (unapproved), on the west by a timbered ridge, on the south by rocky hills, more or less covered with scattering yellow pine, and on the east by a gravelly ridge. A small quantity of scattering yellow pine of commercial size is found on the claim, which will probably be required for domestic purposes. Timber of small commercial value is located to the south and west of this claim. No mineral or indications of mineral appear within the boundaries of this survey. No other claims or patented land conflicting. Part of line 1-2 of this survey adjoins part of line 3-2 of H. E. S. No. 65. Soil a sandy loam. Vernal, Utah, the most accessible settlement, lies about 30 miles to the south.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

October 7, 1913.

John C. Brown
Forest Ranger.

June 25, 1915.

W. B. Rice.
Forest Examiner.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

Chains

COMPUTATION SHEET - DIRECT SOLAR

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

September 27, 1913.

At 2 h. 57 m., P. M., apparent time.

Latitude = 40° 53' N.

Longitude = 109° 30' 45" W.

Declination = S. 1° 39' 41"

Observed Vertical Angle = 33° 09' 30"

Refrac. in Zenith dist. = 0° 01' 28"

True Vertical Angle (V) = 33° 08' 02"

$$\text{Cos. A.} = \frac{\text{Sin. } 1° \ 39' \ 41''}{\text{Cos. } 40° \ 53' \text{ x Cos. } 33° \ 08' \ 02''}$$

$$- (\text{Tan. } 40° \ 53' \text{ x Tan. } 33° \ 08' \ 02'')$$

$$= - 0.04579 - 0.56509 = - 0.61088$$

Azm. Sun = S. 52° 20' 50" W.

Horizontal Angle (from the sun to the left) = 232° 21'

Bearing of reference line = N. 0° 00' 10" W.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

BOOK A-430

A—2112

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 66, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S. 0° 27' W.	39.73		39 73		31	80 61		3202 64
2 - 3	N. 89° 30' W.	40.14	34 35			40 15 / 40 14	40 15	13 65	
3 - 4	N. 0° 31' E.	40.00	40 00		36		36	14 40	
4 - 1	S. 89° 08' E.	40.11		61	40 10 / 40 11		40 82		24 90
		159.98	40 35	40 34	40 47	40 45		28 05	3227 54
			40 34		40 45				28 05
	Errors:		01		02				20) 3199 49
			40 34	40 34	40 46	40 46		Area	159 97 Acres
	Error in Closure = 1/7155								

303

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 66, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Tie from Cor. 1 to U. S. L. M. No. 258.									
	N. 89° 08' W.	7.71	12			7 71			
	N. 0° 54' E.	39.78	39 78		63				
	S. 35° 58' E.	0.51		41	30				
	S. 83° 55' E.	6.62		70	6 58				
	S. 89° 43' E.	6.27		03	6 27				
	N. 84° 24' E.	4.10	40		4 08				
			40 30	1 14	17 86	7 71			
			1 14		7 71				
			39 16		10 15				
		N. 14° 32' E., 40.45 chs.							

305

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Sept. 11, 1916.

The foregoing field notes of Homestead Entry Survey No. 66,

situated in the Ashley National Forest in approximate Sections 25 and 26, Unsurveyed Tp. 2 N., Range 21 E., Salt Lake Base and Meridian, Utah;

Daniel E. Nelson, Claimant;

executed by John C. Brown, Forest Ranger, and W.B.Rice, Forest Examiner [Forest Service Title.] under ~~xxx~~ special instructions, dated Sept. 8, 1913, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

m 85
No. 1
ly 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
FEB 23 1915
SALT LAKE CITY, UTAH.

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 78.

SITUATED IN THE DIXIE NATIONAL FOREST

Ex G.N.

ADMINISTRATIVE DISTRICT NO. 4.

In Sections 1 & unsurveyed, Township 39 S, Range 16 W.

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing	Oscar I. Randall,		
Residence	Central, Utah.		
Application No. 69	dated November 14, 1914.		
List 4-1625	dated Jan. 6, 1915.		
Applicant for listing	Oscar I. Randall,		
Residence	Central, Utah.		
Application No. 59	, dated	August 21	, 19 12.
List No. 4-1071	, dated	Jan. 16	, 19 13.

Applicant for survey	Oscar I. Randall,		
Residence	Central, Utah.		
H. E. No. 011834	, dated	September 8	, 1913.
Land District	Utah.		

Survey executed by Angus M. Woodbury, Forest Ranger, Surveyor.
[Forest Service Title.]

Under special instructions dated	September 24	, 19 14.
Survey commenced	October 27	, 19 14.
Survey completed	October 28	, 19 14.

Under Acts of June 11, 1906 and June 30, 1914.

t—2349

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Forest Ranger Surveyor [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 78, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Arthur Bracken, chainman
Edgar Carpenter "

Subscribed and sworn to before me this 28th day of October, 1914.

Angus M. Woodbury
Forest Ranger, Surveyor

OATH OF SURVEYOR

I, Angus M. Woodbury, Surveyor, Forest Service. [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Sept. 24, 1914, 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 No. 4- 1071, dated Jan. 16, 1913 and a tract of land upon the application of Oscar I. Randall, application No. 69, dated Nov. 14, 1914 for listing and patent. List, No 4-1625, dated Jan. 6, 1915, for Patent, under the Act of June 11, 1906., the same to be known as Homestead Entry Survey No. 78, situated within the Dixie National Forest, in un surveyed Sections 1 & 2, Township 39 S., Range 16 W., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

Angus M. Woodbury
Surveyor, Forest Service. [Forest Service Title.]

Subscribed and sworn to before me this 3d day of December, 1914.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 78

Dixie NATIONAL FOREST

STATE OF Utah.

Chains

Oscar I. Randall, applicant for listing; application No. 59, dated August 21, 1912, and application No. 69, dated November 14, 1914.

Special Instructions dated September 24, 1914, for H. E. Survey No. 78.

Claim situated in unsurveyed Sections 1 and 2, Township 39 South, Range 16 West, of the Salt Lake Base and Meridian, Utah, in the Dixie National Forest.

Authority contained in the Acts of June 11, 1906, and June 30, 1914.

Survey commenced October 25, 1914, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of arc.

Measurements made with a two-chain Lufkin steel tape.

I examine the adjustments of the transit, finding them all correct.

October 25, 1914; At the cor. of Secs. 2, 3, 10 and 11, T. 39 S., R. 16 W., S. L. B. and M., in latitude 37° 27' N., longitude 113° 34' W., (from my special instructions), at 6 h. 17 m., P.M., l.m.t., I observe Polaris in position and mark the direction of the line of sight by a tack in a stake set firmly in the ground, about 5 chs. north of my station.

I calculate the azimuth of Polaris as follows:

U. C. Polaris (Greenwich l.m.t.)	11 h. 15.9 m., P.M.
Sidereal time interval	1.2 m.
U. C. Polaris, l.m.t.	11 h. 14.7 m., P.M.
Time of observation, l.m.t.	6 h. 17 m., P.M.
Argument	4 h. 57.7 m.

Azimuth of Polaris = N. 1° 24' E.

HOMESTEAD ENTRY SURVEY NO. 84

Dixie NATIONAL FOREST

STATE OF Utah.

Chains	
	October 26, 1914; This morning I lay off the azimuth of Polaris 1° 24' to the west and thus determine a meridian, from which I determine the courses of this survey.
	At 5 h. 28 m., P.M., l.m.t., at the same point, I observe the bearing of Polaris from the previously determined meridian to be N. 1° 27' E., to the nearest minute.
	I calculate the azimuth of Polaris as follows:
	U. C. Polaris (Greenwich, l.m.t.) 11 h. 12 m., P.M.
	Sidereal time interval 1.2 m.
	U. C. Polaris, l.m.t. 11 h. 10.8 m., P.M.
	Time of observation 5 h. 28 m.
	Argument 5 h. 42.8 m.
	Azimuth of Polaris = N. 1° 27' E.
	The two observations thus check to the nearest minute of arc.
	Retracement
	Beginning at the cor. of Secs. 1, 2, 11 and 12, T. 39 S., R. 16 W., a basalt stone, properly mkd. and witnessed, I run
	Thence
	East
	On a random line bet. Secs. 1 and 12.
20.05	To Cor. H-8 of the listing survey, a basalt stone, mkd. and witnessed as described by the Sur. Gen.
40.52	Fall 70 lks. north of 1/4 cor., a basalt stone in place, properly mkd. and witnessed, I run
	Thence
	N. 89° 00' W.
	On a true line bet. Secs. 1 and 12.
	Over rolling rocky ground.

Chains	
40.53	To cor. of Secs. 1, 2, 11 and 12.
	Beginning at the cor. of Secs. 35 and 36, on S. bdy. of T. 38 S., R. 16 W., a basalt stone, properly mkd. and witnessed, I run
	Thence
	N. 89° 56' E.
	On a true line along S. bdy. of Sec. 36, (the 1/4 cor. being visible).
40.32	To 1/4 cor. on S. bdy. of Sec. 36, a sandstone, properly mkd. and witnessed.
80.39	Fall 1 lk. N. of Tp. cor., an andesite stone, 20 x 6 x 8 ins., set on bedrock in a mound of stone, mkd. 6 notches on N., E., S., and W. edges. Witnessed by mound of stone on W.
	The bearing of the E. half of this line is, therefore, N. 89° 57' E.
	Beginning at the cor. of Secs. 35 and 36, on Tp. line, heretofore described; I run
	Thence
	S. 89° 56' W.
	On a random line along S. bdy. of Sec. 35.
40.11	Fall 19 lks. S. of 1/4 cor. on S. bdy. of Sec. 35, an andesite stone, 17 x 15 x 3 ins., set in mound of stone, mkd. 1/4 on N. face, and witnessed by mound of stone on N., I run
	Thence
	S. 89° 48' E.
	On a true line along S. bdy. of Sec. 35.
40.11	To cor. of Secs. 35 and 36.
	Latitude = 37° 27' N. : From State Diagram.
	Longitude = 113° 33' W. :

Form 85.
Sheet No. 2.

4.

HOMESTEAD ENTRY SURVEY NO. 78

Dixie NATIONAL FOREST

STATE OF Utah.

Chains	
	October 27, 1914.
	Beginning at Cor. 1, identical with the cor. of Secs. 1, 2, 11, 12, T. 39 S., R. 16 W., S. L. B. and M., a basalt stone, heretofore described, alongside of which is set a basalt stone, 14x8 ins., showing 10 ins. above ground, mkd. 1-HES-84 on northwest face and a cross (+) on top, for Cor. 1 of H. E. S. No. 84: I mark the stone 1-HES-78 on northeast face for Cor. 1 of this survey.
	Mean Mag. Decln. = 16° 46' E.
	Thence
	North
	Along line 1-2 of H. E. S. No. 84.
40.00	To Cor. 2, identical with Cor. 2 of H. E. S. No. 84, an andesite stone, 14x8 ins., showing 10 ins. above ground, mkd. 2-HES-84 on southwest face and a cross (+) on top, for Cor. 2 of H. E. S. No. 84, and witnessed by pits, mound, and bearing trees; I mark the stone 2-HES-78 on northeast face for Cor. 2 of this survey.
	A juniper, 7 ins. dia., bears N. 46° 35' W., 113 lks. dist.
	A juniper, 10 ins. dia., bears S. 75° 24' W., 176 lks. dist.
	Both mkd. +-2-HES-78-BT.
	Thence
	S. 89° 45' W.
	Along line 2-3 of H. E. S. No. 84. Leave List 4-1071.
5.05	To Cor. 3, I set a hard andesite stone, 25 x 15 x 8 ins., 15 ins. in the ground, over a stone mkd. with a cross (+) for Cor. 3 of this survey, mkd. 3-HES-78 on side facing the claim and a cross (+) on top; and raise a mound of stone, 3 ft. base,

Chains

2½ ft. high, 3½ ft. dist., within the claim.

A juniper, 4 ins. dia., bears N. 16° E., 71 lks. dist.

A juniper, 4 ins. dia., bears S. 73° 10' E., 34 lks. dist.

Both mkd. +-3-HES-78-BT.

Cor. 3 of H. E. S. No. 84, a limestone, 13x4 ins, showing 10 ins. above ground, mkd. 3-HES-84 on SE. face and a cross (+) on top, and witnessed by mound of stone and bearing trees, bears S. 89° 45' W., 14.95 chs. dist.

October 27, 1914.

Thence

North

8.00 Enter heavy juniper and pinon, bears NE. and SW.

38.82 To Cor. 4, on the S. bdy. of Sec. 35, T. 38 S., R. 16 W., I set an andesite stone, 26 x 12 x 4 ins., 16 ins. in the ground over a stone mkd. 4-HES-78 for closing cor. and Cor. 4 of this survey, mkd. 4-HES-78-CC on side facing the claim and a cross (+) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3¼ ft. dist., S. of cor.

A juniper, 8 ins. dia., bears S. 58° 30' E., 42 lks. dist.

A juniper, 5 ins. dia., bears S. 24° 10' W., 33 lks. dist.

Both mkd. +-4-HES-78-BT.

The cor. of Secs. 35 and 36 on township bdy., heretofore described, bears S. 89° 48' E., 242 lks. dist.

The 1/4 cor. on S. bdy. of Sec. 35, heretofore described, bears N. 89° 48' W., 37.69 chs. dist.

Thence

S. 89° 48' E.

Along S. bdy. of Sec. 35, T. 38 S., R. 16 W., through

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 78

Dixie NATIONAL FOREST

STATE OF Utah.

Chains	
	heavy juniper and pinon.
2.42	To Cor. 5, identical with the cor. of Secs. 35 and 36, heretofore described, which I mark with a cross (+) on top and alongside of which I set a cedar stake mkd. 5-HES-78.
	Enter List 4-1071.
	Thence
	N. 89° 56' E.
	Along S. bdy. of Sec. 36.
3.50	Leave juniper and pinon, bears N. and S.
5.00	Wash, 10 lks. wide, 4 ft. deep, course S.
	Along base of a rough hill.
40.32	To Cor. 6, identical with the 1/4 cor. at S. side of Sec. 36, a sandstone, heretofore described, which I mark with a cross (+) on top and alongside of which I set a stake, mkd. 6-HES-78.
	Thence
	N. 89° 57' E.
	Along S. bdy. of Sec. 36.
	Ascend steep hill.
2.75	To Cor. 7, which falls on a hard basalt boulder, 8 x 4 ft., showing 5 ft. above ground, in rough ledges about 50 ft. above 1/4 cor., I mark the rock +-7-HES-78-CC on top of the boulder for closing cor., and Cor. 7 of this survey, and raise a mound of stone, 3 ft. base, 2 ft. high on top of boulder, 2 ft. south of cor. No bearing trees available. Pits impracticable.
	The SE. cor. of T. 38 S., R. 16 W., heretofore described, bears N. 89° 57' E., 37.32 chs. dist.

Chains	
	Thence
	South
	Descend steep hillside.
16.00	Foot of hill, 50 ft. below cor., bears SE. and NW.
19.00	To Cor. 8, identical with Cor. H-4 of the listing survey, a stone mkd. as described by the Sur. Gen., in place of which I set a basalt stone, 32 x 15 x 3 ins., 22 ins. in the ground over a broken glass bottle, for Cor. 8 of this survey, mkd. 8-HES-78 on side facing the claim and a cross (+) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A juniper, 6 ins. dia., bears S. 24° 14' E., 58 lks. dist.
	A juniper, 9 ins. dia., bears S. 81° 10' W., 116 lks. dist.
	Both mkd. +-8-HES-78-BT.
	Thence
	West.
0.50	Ascend rocky point, bears NW. and SE.
12.00	Top of point 25 ft. above cor.
	Descend.
26.00	Foot of hill, 25 ft. below point of descent, bears NE. and SW.
	Enter valley.
28.50	Wire fence bears N. and S.
30.39	To Cor. 9, identical with Cor. H-5 of the listing survey, a granite stone, mkd. and witnessed as described by the Sur. Gen., in place of which I set a basalt stone, 32 x 15 x 4 ins., 22 ins. in the ground, over a broken glass bottle, for Cor. 9 of this survey, mkd. 9-HES-78 on side facing the claim and a cross (+) on top; no bearings, therefore dig

HOMESTEAD ENTRY SURVEY NO. 78

Dixie NATIONAL FOREST

STATE OF Utah.

Chains	
	pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth and stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	Thence
	South
0.94	Wire fence bears E. and W.
6.50	Wash, 5 lks. wide, course W.
	Thence along base of rocky sidehill.
40.00	To Cor. H-6 of the listing survey, a stone, mkd. and witnessed as described by the Sur. Gen., which I destroy.
	Cor. H-7 of the listing survey, a stone mkd. and witnessed as described by the Sur. Gen., bears E. 10 chs. dist. I destroy it and its witnesses.
	Leave rocky side hill. Enter valley.
60.00	To Cor. 10, I set a basalt stone, 26 x 14 x 8 ins., 16 ins. in the ground, over a broken glass on line bet. Secs. 1 and 12, for closing cor. and Cor. 10 of this survey, mkd. CC on N. face, 10-HES-78 on side facing the claim and a cross (+) on top; and raise a mound of stone, 3 ft. base, 3 ft. high, 3½ ft. dist., north of cor.
	A juniper, 5 ins. dia., bears N. 23° 23' E., 35 lks. dist.
	A juniper, 7 ins. dia., bears S. 38° 18' E., 146 lks. dist.
	Both mkd. +-10-HES-78-BT.
	Cor. H/8 of listing survey, a basalt stone, heretofore described, bears N. 89° E., 9.92 chs. dist. I destroy it.
	The 1/4 cor. bet. Secs. 1 and 12, a stone properly mkd., bears S. 89° E., 30.40 chs. dist.

Chains

The cor. of Secs. 1, 2, 11, 12, heretofore described, bears N. 89° W., 10.13 chs. dist.

Thence

N. 89° 00' W.

10.13 To Cor. 1, the place of beginning.

Area

Area of H. E. S. No. 78:	156.91 acres
Area previously listed:	137.57 "
Area hereby listed:	19.34 "

Improvements

The improvements on this claim, the property of the claimant herein, consist of the following:

Frame cabin, 12 x 16 ft., course of long sides N. and S., which bears from Cor. 9, N. 53° W., 6.50 chs. dist.	Value	$ 100.
About 3/4 mile of wire fence,	Value	75
Total estimated value		$ 175.

Description

This tract of land lies in a small irregular valley between rough hills. The soil is several feet deep and of good quality along the bottom of the valley, but grows shallow and gives way to rocks along the edges. There is practically no water for irrigation and the claimant must depend upon dry farming methods for agricultural use of the land. The land is practically valueless for forest production, and no mineral is known to exist in the immediate vicinity. H. E. S. No. 84 adjoins this tract on the southwest. The small town of Central lies about two miles to the southwest.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 78

10.

Dixie NATIONAL FOREST

STATE OF Utah.

Chains

In making the listing survey, It was the intention to have Cor. H-2 due north from Cor. H-1 and Cor. H-3 due north from Cor. H-4, thus making the listing survey conform to approximate legal subdivision, and in making the H. E. Survey, it was so considered.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

October 28, 1914.

Angus M. Woodbury
Surveyor, Forest Service.

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.

BOOK A-430

3—30

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 78, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	North	40.00	40	00				00			10	09	403	50		
2 - 3	S. 89° 45' W.	5.05				02			5	05	5	05				10
3 - 4	North	38.82	38	82				00				01		39		
4 - 5	S. 89° 48' E.	2.42				01	2	42			2	44				02
5 - 6	N. 89° 56' E.	40.32		05			40	32			45	19	2	26		
6 - 7	N. 89° 57' E.	2.75					2	75			88	27				
7 - 8	SOUTH	19.00			19	00		00			91	03			1729	57
8 - 9	West	30.39							30	39	60	66				
9 - 10	South	60.00			60	00		00			30	30			1818	30
10 - 1	N. 89° 00' W.	10.13		18					10	13	20	20	3	64		
	Totals	248.88	79	05	79	03	45	49	45	57			409	79	3547	99
			79	03					45	49					409	79
	Errors:			02						08					20)3138	20
															156	91 acres
	Error of Closure = 1: 3018															

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, February 7, 1916

The foregoing field notes of Homestead Entry Survey No. 78, situated in the Dixie National Forest, in approximate sections 1 and 2, unsurveyed T.39 S., R.16 W., Salt Lake Base and Meridian, Utah,

executed by Angus M. Woodbury, Forest Ranger, Surveyor [Forest Service Title.]
under his special instructions, dated November 12, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sect No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
FEB 23 1915
SALT LAKE CITY, UTAH.

FIELD NOTES

V.I.F

OF

HOMESTEAD ENTRY SURVEY NO. 79

SITUATED IN THE DIXIE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

U. S. Surveyor General's Office
MAR 14 1916
SALT LAKE CITY, UTAH.

In Section 3 partly surveyed, Township 39 S, Range 16 W.

of the

Salt Lake Base & Meridian.

State of

Utah.

Applicant for listing Wm. A. Bracken,

Residence Central, Utah.

Application No. 2 , dated March 11 , 19 07

List No. 487 , dated October 9 , 19 07

Applicant for survey Wm. A. Bracken,

Residence Central, Utah.

H. E. No. 01 , dated , 19

Land ~~District~~ Office Salt Lake

Survey executed by Angus M. Woodbury, Forest Ranger, Surveyor
[Forest Service Title.]

Under special instructions dated September 24 , 1914

Survey commenced October 25 , 1914

Survey completed October 29 , 1914

Under Acts of June 11, 1906, June 30 , 1914.

S—2349

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Forest Ranger, Surveyor [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 79, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Edgar Carpenter, (Chainman)

Subscribed and sworn to before me this 29th day of October, 1914.

Angus M Woodbury
Forest Ranger, Surveyor.

OATH OF SURVEYOR

I, Angus M. Woodbury, Forest Ranger, Surveyor. [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 24, 1914, 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, No. 487, dated Oct. 9, 1907, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 79,
situated within the Dixie National Forest, in
partly surveyed Section 3, Township 39 S., Range 16 W., and
surveyed Section, Township, Range,

of the Salt Lake Base & meridian, Utah, 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.

Angus M. Woodbury
Forest Ranger, Surveyor
[Forest Service Title.]

Subscribed and sworn to before me this 3d day of December, 1914.

SEAL

Jas. H. Goshen
Notary Public

HOMESTEAD ENTRY SURVEY NO. 79

DIXIE NATIONAL FOREST

STATE OF UTAH.

Chains

This survey embraces one of the forty acre tracts included in H. E. 01, Utah Land District, for List 487, dated October 9, 1907, made by Wm. A. Bracken, Central, Utah, and is approximately the SW¼ SE¼ of partly surveyed Section 3, Township 39 South, Range 16 West, Salt Lake Base and Meridian, Utah, in the Dixie National Forest.

Homestead Application No. 2, dated March 11, 1907.

Instructions were issued by the Surveyor General on September 24, 1914, for H. E. Survey No. 79.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced on October 25, 1914, with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of arc.

Measurements were made with a two-chain Lufkin steel tape.

I examine the adjustments of the transit, finding all adjustments correct.

October 25, 1914; at the cor. of Secs. 2, 3, 10 and 11, T. 39 S., R. 16 W., S. L. B. and M., in latitude 37° 27' N., longitude 113° 34' W., (from my special instructions), at 6 h. 17 m., P. M., l. m. t., I observe Polaris in position, and mark the direction of the line of sight by a tack in a stake set firmly in the ground, about 5 chains north of my station.

I calculate the Azimuth of Polaris as follows:

U. C. Polaris (Greenwich l. m. t.)	11 h. 15.9 m., P.M.
Sidereal time interval	01.2 m.
U. C. Polaris, l. m. t.	11 h. 14.7 m., P.M.

Chains	
	Time of obsn., l. m. t. 6 h. 17 m., P. M.
	Argument 4 h. 57.7 m.
	Azimuth of Polaris = N. 1° 24' E.
	October 26, 1914; this morning I lay off the Azimuth of Polaris 1° 24' to the west and thus determine a meridian, from which, I determine the courses of this survey.
	At 5 h. 28 m., P. M., l. m. t., at the same point, I observe the bearing of Polaris from the previously determined meridian to be N. 1° 27' E., to the nearest minute.
	I calculate the Azimuth of Polaris as follows:
	U. C. Polaris (Greenwich, l. m. t.) 11 h. 12 m., P. M.
	Sidereal time interval 01.2 m.
	U. C. Polaris, l. m. t. 11 h. 10.8 m., P.M.
	Time of obsn. 5 h. 28 m., P.M.
	Argument 5 h. 42.8 m.
	Azimuth of Polaris = N. 1° 27' E.
	The two observations thus check to the nearest minute of arc.
	RETRACEMENT
	Beginning at the cor. of Secs. 2, 3, 10 and 11, T. 39 S., R. 16 W., a basalt stone, showing 7 ins. above ground, properly mkd. and witnessed; I run
	Thence
	N. 89° 32' W.,
	On true line between Secs. 3 and 10, (the ¼ corner being visible).
20.00	Set temporary 1/16 section corner.

Chains	
40.00	To ¼ cor. between Secs. 3 and 10, a trachyte stone, showing 4 ins. above ground, mkd. ¼ on N. face.

BEGINNING AT COR. 1, identical with ¼ cor. between Secs. 3 and 10, T. 39 S., R. 16 W., a trachyte stone, heretofore described, alongside of which I set a trachyte stone, 24 x 10 x 5 ins., 14 ins. in the ground, for Cor. 1 of this survey, mkd. 1-HES-79 on side facing the claim, and a cross (x) on the top.

Fences bear E. and W.

Mean Magnetic Declination = 16° 45' E.

Thence

S. 89° 32' E.,

Chains	
	Along line between Secs. 3 and 10; alongside fence.
8.00	Ditch, 10 lks. wide, course S.
15.50	Kane Spring Wash, 1 ch. wide, 6 ft. deep, course S.
18.50	Fence corner, fences bear W. and SE.
20.00	To Cor. 2, I set a trachyte stone, 24 x 12 x 10 ins., 24 ins. in the ground, in the middle of an old road, on line between Secs. 3 and 10, over broken glass, so that the top of the stone is even with the surface of the ground, for closing corner and Cor. 2 of this survey, mkd. 2-HES-79-CC on side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, N., 3½ ft. dist.

A juniper, 10 ins. dia., bears N. 39° 05' W., 205 lks. dist.

A juniper, 6 ins. dia., bears N. 73° 15' W., 161 lks. dist.

Both mkd. X-2-HES-79-BT.

HOMESTEAD ENTRY SURVEY NO. 79

DIXIE NATIONAL FOREST

 STATE OF UTAH.

Chains	
	The cor. of Secs. 2, 3, 10 and 11, T. 39 S., R. 16 W., a stone, heretofore described, bears S. 89° 32' E., 20.00 chs. dist.
	Thence North
5.00	Wire fence bears E. and W.
10.16	Wire fence bears E. and W.
11.50	Ditch, 12 lks. wide, course N. 30° 00' W.
13.00	County road bears N. 30° 00' W. and S. 30° 00' E.
20.00	To Cor. 3, I set a trachyte stone, 24 x 14 x 5 ins., 14 ins. in the ground, over broken glass, for Cor. 3 of this survey, mkd. 3-HES-79 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A juniper, 10 ins. dia., bears N. 88° 13' E., 182 lks. dist.
	A juniper, 5 ins. dia., bears S. 12° 09' E., 59 lks. dist.
	Both mkd. X-3-HES-79-BT.
	Fence bears E. and W.
	Thence N. 89° 32' W.,
0.20	Fence corner, fences bear N. and E.
0.40	County road, bears N. and S.
6.65	Kane Spring Wash, 50 lks. wide, 5 ft. deep, course S.
20.00	To Cor. 4, I set an andesite stone, 24 x 14 x 10 ins., 14 ins. in the ground, over broken glass, for Cor. 4 of this survey, mkd. 4-HES-79 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., inside the claim.

Chains	
	A juniper, 10 ins. dia., bears S. 89° 45' E., 329 lks. dist.
	A juniper, 12 ins. dia., bears S. 18° 17' E., 146 lks. dist.
	Both mkd. X-4-HES-79-BT.
	Thence
	South
10.00	Fence corner, fences bear S. and W.
19.60	Fence corner, fences bear N. and W.
19.99	To Cor. 1, the place of beginning.

AREA

Area of H. E. Survey No. 79: 39.98 acres.

IMPROVEMENTS

There are no improvements, belonging to the claimant, on this tract of land. His house, corral, and other improvements are situated on the adjoining surveyed land included in his homestead.

DESCRIPTION

This tract of land was entered in connection with the N½ NE¼, NE¼ NW¼ of surveyed Section 10, Township 39 South, Range 16 West. A rocky wash crosses the tract from north to south, and some of the land along its banks is untillable. The remainder of the tract has a good covering of soil. There is, however, no cultivated land on the tract. All the claimant's improvements and cultivated land lies on other parts of his homestead. A scattering growth of pinon and juniper covers most of the

HOMESTEAD ENTRY SURVEY NO. 79

DIXIE NATIONAL FOREST

6. STATE OF UTAH.

Chains

tract. No minerals or indications of mineral were found in the vicinity. This tract is considered a part of the little village of Central. The homestead of Raymond Burgess, List 4-955, adjoins this tract on the west, north and east sides. The Central Administrative Site also adjoins the east side.

It being impracticable to take my assistant before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistant.

October 29, 1914.

Angus M. Woodbury

Forest Ranger, Surveyor.

2. In balancing latitudes and departures do not correct 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 G. L. O.
4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 79, STATE OF UTAH.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1-2	S. 89° 32' E.	20.00		.16	20.00		20.00		3.20
2-3	N.	20.00	19.99 20.00				40.00	799.60	
3-4	N. 89° 32' W.	20.00	.16			20.00	20.00	3.20	
4-1	S.	19.99		19.99					
	Totals	79.99	20.15 20.16	20.15	20.00	20.00		802.80	3.20
			20.15					3.20	
	Errors		.01					20)799.60	
								39.98 Acres.	

Doc.14,1914
A.M.W.

333

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, July 7, 1916

The foregoing field notes of Homestead Entry Survey No. 79 Situated in the Dixie National Forest, Administrative District No. 4, in section 3 partly surveyed, Township 39 S. Range 16 W. of the Salt Lake Base and Meridian, State of Utah, Wm. A. Bracken, Claimant.

executed by Angus M. Woodbury, Forest Ranger, Surveyor [Forest Service Title.] under his special instructions, dated September 24, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

J. O. Thoresen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

orm 85
et No. 1
July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
APR 17 1916
SALT LAKE CITY, UTAH

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 87

SITUATED IN THE Dixie NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section s10,11 surveyed, Township 38 S, Range 17 W.

(Survey accepted)

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing Josiah H. Leavitt,

Residence Gunlock, Utah

Application No. 62 , dated August 6 , 1913

List No. 4-1309 , dated November 3 , 1913

Applicant for survey Josiah H. Leavitt,

Residence Gunlock, Utah

H. E. No. 012664 , dated June 10, , 1914

Land ~~xxxxxxx~~ Office, Salt Lake.

Survey executed by Angus M. Woodbury, F. S. Surveyor. [Forest Service Title.]

Under special instructions dated March 10 , 1915

Survey commenced May 21 , 1915

Survey completed May 22 , 1915

Under Acts of June 11, 1906; June 30, 1914.

8—2349

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Forest Service Surveyor, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 87, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Samuel C. Macfarlane (Chainman)
David O. Woodbury (Chainman)

Subscribed and sworn to before me this 22nd day of May, 1915.

Angus M. Woodbury
F. S. Surveyor.

OATH OF SURVEYOR

I, Angus M. Woodbury, F. S. Surveyor, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated March 10, 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, No. 4-1309, dated Nov. 3, 1913, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 87, situated within the Dixie National Forest, in surveyed Section s 10, 11, Township 38 S., Range 17 W., and surveyed Section, Township, Range,

of the Salt Lake Base & meridian, Utah, 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.

Angus M. Woodbury
F. S. Surveyor.
[Forest Service Title.]

Subscribed and sworn to before me this 15th day of March, 1916

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 87

DIXIE NATIONAL FOREST

STATE OF UTAH

Chains

Josiah H. Leavitt, applicant for listing, Application No. 62, dated August 6, 1913.

Special Instructions dated March 10, 1915, for H. E. Survey No. 87.

Claim is situated in surveyed Sections 10 and 11, Township 38 South, Range 17 West (survey accepted), Salt Lake Base and Meridian, Utah, in the Dixie National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced May 21, 1915, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a 2-chain steel tape and clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

May 21, 1915; at Cor. 2 of this survey, at 4 h. 2 m., P. M., l. m. t., I observe the altitude of the sun for azimuth.

Latitude = 37° 31' 20" N.) From SE. cor. T. 38 S.,
Longitude = 113° 41' W.) R. 17 W.

OBSERVATION 1

Apparent altitude = 35° 08'

Horizontal angle (from sun to left) = 269° 29'

OBSERVATION 2

Apparent altitude = 33° 16'

HOMESTEAD ENTRY SURVEY NO. 87

DIXIE NATIONAL FOREST

 STATE OF UTAH

Chains	
	Horizontal angle (from sun to left) = 270° 55'
	From these observations, I calculate the bearing of a reference stake, firmly set, centered with a tack, about 5 chs. north of my station, as (1) N. 0° 02' 12" W. and (2) N. 0° 02' 21" W.
	The mean of these is N. 0° 02' 17" W., and to the corresponding meridian all courses of this survey are referred.
	Mean Magnetic Declination = 16° 00' E.
	RETRACEMENT
	Beginning at the cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), an iron post, mkd. and witnessed as described by the Sur. Gen., the ¼ cor. between Secs. 10 and 15 being visible, I run
	Thence
	N. 89° 54' W.,
	On a true line between Secs. 10 and 15.
30.96	Strike Cor. 6 of H. E. S. No. 72 (approved), identical with Cor. H-5 of List No. 4-1309, hereafter described.
39.90	Strike ½ cor. between Secs. 10 and 15, T. 38 S., R. 17 W. (survey accepted), an iron post, mkd. and witnessed as described by the Sur. Gen.
	Beginning at the cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described, I run

Chains	
	Thence
	North
	On a random line between Secs. 10 and 11.
40.13	Fall 6 lks. W. of ¼ cor. between Secs. 10 and 11, T. 38 S., R. 17 W. (survey accepted), an iron post, mkd. and witnessed as described by the Sur. Gen.
	The bearing of this line is, therefore, N. 0° 05' E.
	From the above described ¼ cor., I run
	Thence
	S. 0° 05' W.,
	On a true line between Secs. 10 and 11.
14.29	Set temporary stake for Cor. 5 of this survey.
30.05	Set temporary stake for Cor. 1 of this survey.
37.31	Strike cor. 8 of H. E. S. No. 72 (approved), which is an andesite stone, firmly set, showing 10 ins. above ground, mkd. CC on NW. face, 8-HES-72 on SW. face and a cross (x) on top, and properly witnessed by pits and a mound of earth.
40.13	Strike the cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described.

	BEGINNING AT COR. 1, previously mkd. by temporary stake, in place of which I set an andesite stone, 26 x 12 x 6 ins., 16 ins. in the ground, over a stone, mkd. with a cross (x), on line between Secs. 10 and 11, T. 38 S., R. 17 W. (survey accepted); mkd. CC on SE. face, 1-HES-87 on side facing the claim, and a cross (x) on top, for closing corner and Cor. 1 of this survey. Dig a pit, 36 x 24 x 12 ins., on the section line, N. 0° 05' E., 3 ft.

Chains	
	dist., and dig a pit, 24 x 18 x 12 ins., crosswise on the closing line, S. 67° 30' E., 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 3 ft. high, on the closing line, S. 67° 30' E., 3½ ft. dist.
	An andesite boulder, 4 x 6 ft., showing 4 ft. above ground, mkd. X-1-HES-87-BR, bears N. 28° 54' E., 159 lks. dist.
	The cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described, bears S. 0° 05' W., 10.08 chs. dist.
	The ¼ cor. between Secs. 10 and 11, T. 38 S., R. 17 W. (survey accepted), an iron post, heretofore described, bears N. 0° 05' E., 30.05 chs. dist.
	Thence N. 67° 30' W.,
	Over sage flat.
3.60	To Cor. 2, identical with Cor. 7 of H. E. S. No. 72 (approved) and Cor. H-1 of the listing survey, an andesite stone, showing 14 x 10 x 6 ins. above ground, mkd. 7-HES-72 on the S. face and a cross (x) on top, for Cor. 7 of H. E. S. No. 72 and mkd. 1-H on N. face for Cor. 1 of the listing survey; I deface the markings for the listing survey and remark 2-HES-87 on N. face for Cor. 2 of this survey. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence S. 67° 35' W.,

Chains	
	Over sage flat; along fence.
	Along line 7 - 6 of H. E. S. No. 72 (approved), Cor. 6 being visible.
29.89	To Cor. 3, identical with Cor. 6 of H. E. S. No. 72 (approved) and Cor. H-5 of the listing survey, a basalt stone, showing 14 x 10 x 5 ins., above ground, mkd. 6-HES-72-CC and a cross (x) on top, for Cor. 6 of H. E. S. No. 72, and mkd. 5-H on N. face for Cor. 5 of the listing survey, and witnessed by pits and mound of earth; I deface the markings for the listing survey and remark 3-HES-87 on NE. face, for Cor. 3 of this survey. Dig a pit, 36 x 24 x 12 ins., crosswise on the section line, N. 89° 54' W., and dig a pit, 24 x 18 x 12 ins., crosswise on the closing line, N. 67° 35' E. 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, on the closing line, N. 67° 35' E., 3½ ft. dist.
	The ¼ cor. between Secs. 10 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described, bears N. 89° 54' W., 8.94 chs. dist.
	The cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described, bears S. 89° 54' E., 30.96 chs. dist.
	Thence
	N. 17° 42' E.,
	Across dry lake bed.
20.50	Foot of spur or point at edge of lake bed.
	Ascend.
35.59	To Cor. 4, 30 ft. above lake bed, identical with Cor. H-4 of the listing survey, a basalt stone, firmly set, mkd. as described by Sur. Gen., in place of

Chains

which I set a basalt stone, 30 x 14 x 10 ins., 20 ins. in the ground, over broken glass, for Cor. 4 of this survey, mkd. 4-HES-87 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 4 ft. high, 3½ ft. dist., within the claim.

No witnesses available; pits impracticable.

May 21, 1915.

Thence

S. 68° 15' E.,

Descend rough lava hill, through sagebrush.

9.00 Dry wash, 30 ft. below Cor. 4, course S.

Across level land.

21.85 To Cor. 5, previously mkd. by temporary stake, in place of which I set a lava stone, 26 x 14 x 5 ins., 16 ins. in the ground, over a granite stone, 3 x 3 x 2 ins., mkd. with a cross (x), on line between Secs. 10 and 11, T. 38 S., R. 17 W. (survey accepted), mkd. CC on NW. face, 5-HES-87 on S. face, and a cross (x) on top, for closing corner and Cor. 5 of this survey; and raise a mound of stone, 4 ft. base, 3 ft. high, on closing line, N. 68° 15' W., 3½ ft. dist. Pits impracticable.

A basalt rock in place, 3 x 2 ft., showing 2 ft. above ground, bears N. 44° 44' E., 23 lks. dist.

A basalt rock, 6 x 4 ft., showing 5 ft. above ground, bears N. 54° 00' W., 47 lks. dist.

Both mkd. X-5-HES-87-BR.

The ¼ cor. between Secs. 10 and 11, T. 38 S., R. 17 W. (survey accepted), an iron post, heretofore described, bears N. 0° 05' E., 14.29 chs. dist.

Chains	
	The cor. of Secs. 10, 11, 14 and 15, T. 38 S., R. 17 W. (survey accepted), heretofore described, bears S. 0° 05' W., 25.84 chs. dist.
	Thence S. 68° 15' E.,
	Over rolling hills, through sagebrush.
15.15	Leave rocky rolling hills, enter level valley.
15.42	Ox Valley - Enterprise road.
22.42	Wash, 7 ft. deep, course N.
27.15	To Cor. 6, identical with Cor. H-3 of the listing survey, an andesite stone, firmly set, mkd. as described by the Sur. Gen., in place of which I set an andesite stone, 24 x 12 x 10 ins., 14 ins. in the ground, over broken glass, for Cor. 6 of this survey; mkd. 6-HES-87 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	Thence S. 18° 00' W.,
	Along edge of Ox Valley, through sagebrush.
4.00	Wash, 3 ft. deep, 3 ft. wide, course N. W.
15.00	To Cor. 7, identical with Cor. H-2 of the listing survey, an andesite stone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set an andesite stone, 24 x 10 x 8 ins., 14 ins. in the ground, over broken glass, for Cor. 7 of this survey; mkd. 7-HES-87 on side facing the claim and a cross (x) on top.

Chains

An andesite boulder, 10 x 6 x 4 ft., above ground, mkd. X-7-HES-87-BR, bears N. 23° 48' E., 305 lks. dist.

No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft base, 2 ft. high, 3½ ft. dist., within the claim.

I destroy the witness marks to listing Cor. H-2.

Thence

N. 67° 30' W.,

Through scattering brush.

8.00 Foot of small spur.

Ascend.

14.00 Top of small spur, 30 ft. above foot.

Descend.

22.00 Foot of spur, 30 ft. below top.

22.40 To Cor. 1, the place of beginning.

May 22, 1915.

AREA

Area in Section 10:	59.31 acres
Area in Section 11:	36.65 "
Total area of H. E. Survey No. 87:	95.96 acres

IMPROVEMENTS

There are no completed improvements on this claim, although the claimant has cleared some land and dug a few post holes for fences.

DESCRIPTION

This claim lies in the isolated Ox Valley, about 6 miles south of Enterprise, Utah, with which place

Chains

it is connected by a rough mountain wagon road. Ox Valley, itself, is an isolated mountain valley which contains a small inland lake with no outlet. This lake is dry most of the summer. Surrounding the lake the alluvial loamy soil has collected in sufficient quantities to be very fertile and valuable for agriculture. This claim lies in one corner of the valley. The boundaries of the east and north sides of the claim skirt the foothills surrounding the valley, and in the northwest corner includes a small, rough, rocky point. No timber of any kind is found on the claim or surrounding it. No mineral or indications of mineral were found on the claim, although iron deposits exist to the southwest, about 3 or 4 miles distant. At the time of making this survey, no cultivation had been made upon the claim, although the claimant had cleared several acres of brush preparatory to plowing. The best part of the land in Ox Valley has been taken under three previous claims, - H. E. Surveys No. 69, 70 and 72, of which the latter adjoins this claim on the south.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

May 22, 1915.

Angus M. Goodbury
Surveyor,
Forest Service.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 87

DIXIE NATIONAL FOREST

STATE OF UTAH

Chains

COMPUTATION SHEET

Direct Solar Observations for Azimuth, Cor. 2 to reference stake.

May 21, 1915.

At Cor. 2, at 4 h. 2 m., P. M., l. m. t.

Latitude = 37° 31' 20" N.

Longitude = 113° 40' 30" W.

Declination = 20° 07' 24" N.

OBSERVATION 1

Apparent altitude = 35° 08'

Refraction = 0° 01' 22"

True altitude = 35° 06' 38"

Cos. Azm. = + 0.53027 - 0.53993 = - 0.00966

Bearing of sun = S. 89° 26' 48" W.

Horizontal angle (from sun to left) = 269° 29'

Bearing of reference = N. 0° 02' 12" W.

OBSERVATION 2

Apparent altitude = 33° 16'

Refraction = 0° 01' 28"

True altitude = 33° 14' 32"

Cos. Azm. = + 0.51866 - 0.50334 = + 0.01532

Bearing of sun = N. 89° 07' 21" W.

Horizontal angle (from sun to left) = 270° 55'

Bearing of reference = N. 0° 02' 21" W.

Mean = N. 0° 02' 17" W.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 87, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Sec. 10 1 - 2	N. 67° 30' W.	3.60	1 38			3 33	58 67	80 96	
2 - 3	S. 67° 35' W.	29.89		11 40		27 63	27 67		315 71
3 - 4	N. 17° 42' E.	35.59	33 91		10 82		10 78	365 44	
4 - 5	S. 68° 15' E.	21.85		8 10	20 29		41 82		339 16
5 - 1	S. 0° 05' W.	15.76		15 76		02	62 04		977 75
	Totals	106.69	35 29	35 26	31 11	30 98		446 40	1632 62
			35 26		30 98				446 40
	Errors:		03		13				20)1186 22
	Error of closure = 1:800								59 31 acres
Sec. 11 1 - 5	N. 0° 05' E.	15.76	15 76		02		04	63	
5 - 6	S. 68° 15' E.	27.15		10 06	25 22		25 33		254 82
6 - 7	S. 18° 00' W.	15.00		14 27		4 64	45 96		655 85
7- 1	N. 67° 30' W.	22.40	8 57			20 69	20 67	177 14	
	Totals	80.31	24 33	24 33	25 24	25 33		177 77	910 67
						25 24			177 77
	Errors:					09			20)732 90
									36 65 acres
	Error of closure = 1:892								59 31
									95 96 acres

351

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

August 19, 1916.

The foregoing field notes of Homestead Entry Survey No. 87, SITUATED IN THE DIXIE NATIONAL FOREST, ADMINISTRATIVE DISTRICT NO.4, IN SECTIONS 10,11, surveyed, Township 38 S., Range 17 W., of the Salt Lake Base and Meridian, Utah; Josiah H. Leavitt, Claimant;

executed by Angus M. Woodbury, F. S. Surveyor, [Forest Service Title.] under his special instructions, dated March 10, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
(Sheet No. 1
Revised July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
APR 8 1916
SALT LAKE CITY, UTAH

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 88

SITUATED IN THE Powell NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 3, 10un surveyed, Township 34 S., Range 2 E.

of the

Salt Lake Base and Meridian.

State of Utah.

Applicant for listing Joseph M. Chesnut,

Residence Escalante, Utah.

Application No. 43 , dated Mar. 14 , 19 11

List No. 4-833 , dated Sept. 20 , 19 11

Applicant for survey Joseph M. Chesnut,

Residence Escalante, Utah.

H. E. No. 010992 dated Feb. 3 , 1913

Land ~~Xxxxxxx~~ Office, Salt Lake.

Survey executed by Angus M. Woodbury, Surveyor, Forest Service
[Forest Service Title.]

Under special instructions dated Mar. 10 , 19 15

Survey commenced June 7 , 19 15

Survey completed June 10 , 19 15

Under Acts of June 11, 1906; June 30, 1914.

S—2349

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 88, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

David D. Woodbury (Chainman)
Orlow H. Griffin (Chainman)

Subscribed and sworn to before me this 10th day of June, 1915.

Angus M. Woodbury
Surveyor, Forest Service.

OATH OF SURVEYOR

I, Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Mar. 10, 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, No. 4-833, dated Sept. 20, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 88, situated within the Powell National Forest, in un surveyed Sections 3 & 10, Township 34 S., Range 2 E., and surveyed Section, Township, Range,

of the Salt Lake Base & meridian, Utah, 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.

Angus M. Woodbury
Surveyor, Forest Service.
[Forest Service Title.]

Subscribed and sworn to before me this 15th day of march, 1916

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Chains

Joseph M. Chesnut, applicant for listing, Application No. 43, dated March 14, 1911.

Special Instructions dated March 10, 1915, for H. E. Survey No. 88.

Claim situated in unsurveyed Sections 3 and 10, Township 34 South, Range 2 East, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 7, 1915, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a 2-chain Lufkin steel tape and clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

MERIDIAN DETERMINATIONS

June 8, 1915; at Cor. 7 of this survey, at 7 h. 34 m., P. M., l. m. t., I set the plates of the transit at zero, and sight to a dead tree about 1 mile dist., and turn an angle of 82° 33' to the right to Polaris in position.

Latitude = 37° 53½' N.)
Longitude = 111° 43' 30" W.) By account from surveyed section lines.

U. C. Polaris, June 8, 1915 - - - 8 h. 26 m., A. M.
Longitude Correction - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - 8 h. 24.8 m., A. M.

Chains

Subtract from - - - - - - - - - - - 12 h. 00 m.
Time to noon - - - - - - - - - - - 3 h. 35.2 m.
L. m. t., obsn., June 8, 1915 - - 7 h. 34 m.
Argument - - - - - - - - - - - - - 11 h. 09.2 m.
Bearing of Polaris = N. 0° 18' 15" W.
Bearing of reference object = N. 82° 51' 15" W.

June 9, 1915; at the same station, at 4 h. 45 m., A. M. l. m. t., I set the plates at zero and sight to the same reference object and turn an angle of 84° 03' to the right to Polaris in position.

U. C. Polaris, June 9, 1915 - - - 8 h. 22.1 m., A. M.
Longitude Correction - - - - - - 0 h. 01.2 m.
L. m. t., U. C. Polaris - - - - - 8 h. 20.9 m., A. M.
Time of observation - - - - - - - 4 h. 45 m., A. M.
Argument - - - - - - - - - - - - 3 h. 35.9 m.
Bearing of Polaris = N. 1° 11' 15" E.
Bearing of reference object = N. 82° 51' 45" W.

The mean bearing of the reference object is N. 82° 51' 30" W., and to the corresponding meridian all courses of this survey are referred.
Mean Magnetic Declination = 16° 38' E.

REESTABLISHMENT OF CORNER

At the point for cor. of Secs. 14, 15, 22 and 23, I find a pile of rocks with witness trees, mkd. as described by the Sur. Gen., but the iron pipe from pile of rocks was gone. In place of the iron pipe, I set a cedar stake, 2 ft. long, 1 ft. in the ground, mkd. 2 notches on the E., and 3 notches on the S., in the exact position from

Chains

which the iron post had been moved. This point was easily identified since the rock pile had not been disturbed and the point from which the post had been removed was plainly visible. The bearings and distances of the witness trees corroborated the evidence, since they were as described by the Sur. Gen.

June 8, 1915.

BEGINNING AT COR. 1 of this survey, identical with Cor. H-1 of the listing survey, a lava boulder, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a granite stone, 30 x 14 x 8 ins., 20 ins. in the ground, over a tin can, for Cor. 1 of this survey; mkd. X-1-HES-88 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A cedar, 11 ins. dia., bears N. 17° 18' W., 42 lks. dist.

A cedar, 8 ins. dia., bears S. 65° 07' E., 117 lks. dist.

Both mkd. X-1-HES-88-BT.

I destroy the witnesses for listing Cor. H-1.

June 7, 1915.

The cor. of Secs. 14, 15, 22 and 23 (survey accepted), heretofore described, bears S. 8° 08' E., 138.43 chs. dist., by traverse, the computations of which are hereto attached.

June 8, 1915.

Chains	
	Thence
	N. 65° 34' W.,
	Over rolling ground, through sagebrush.
0.25	Road bears N. and S.
0.36	Fence cor., fences bear NE. and NW.
0.53	Forest Service telephone line bears NW. and SE.
5.00	Leave sagebrush, enter cedar and pinon, bears N. and S.
19.00	Cor. H-2 of the listing survey, a stone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S., 2.00 chs. dist. I destroy it and its witnesses.
41.84	To Cor. 2, identical with Cor. H-3 of the listing survey, on the face of a ledge, mkd. and witnessed as described by the Sur. Gen., in place of which I mark X-2-HES-88 on the NE. face of an 18-foot sandstone ledge, 2 ft. from the ground, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist. inside the claim.
	A pinon, 8 ins. dia., bears S. 61° 00' E., 11 lks. dist.
	A pinon, 14 ins. dia., bears S. 4° 30' W., 13 lks. dist.
	Both mkd. X-2-HES-88-BT.
	I destroy the witnesses to Cor. H-3 of the listing survey.
	Slight change in boundary between Cors. 1 and 2 was made to eliminate a useless corner.
	Thence
	N. 2° 40' E.,
	Over rolling foothills, through pinon and juniper.
27.34	To Cor. 3, identical with Cor. H-4 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which

Chains

I set a sandstone, 34 x 14 x 6 ins., 24 ins. in the ground, over broken glass, for Cor. 3 of this survey; mkd. 3-HES-88 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A cedar, 14 ins. dia., bears S. 15° 24' W., 48 lks. dist.

A cedar, 10 ins. dia., bears S. 79° 31' W., 59 lks. dist.

Both mkd. X-3-HES-88-BT.

I destroy the witnesses to Cor. H-4 of the listing survey.

Thence
N. 36° 34' E.,

Over rolling foothills, through pinon and juniper.

18.22 To Cor. 4, identical with Cor. H-5 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a lava stone, 24 x 10 x 9 ins., 14 ins. in the ground, over broken glass, for Cor. 4 of this survey; mkd. 4-HES-88 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A pinon, 6 ins. dia., bears S. 28° 37' E., 23 lks. dist.

A pinon, 9 ins. dia., bears S. 45° 06' W., 52 lks. dist.

Both mkd. X-4-HES-88-BT.

I destroy the witnesses to Cor. H-5 of the listing survey.

Thence
N. 4° 23' W.,

HOMESTEAD ENTRY SURVEY NO. 88

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	Over rolling foothills, through pinon and juniper.
12.30	To Cor. 5, identical with Cor. H-6 of the listing survey, a basalt stone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 12 x 4 ins., 14 ins. in the ground, over a tin can, for Cor. 5 of this survey; mkd. 5-HES-88 on the side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. dia., bears S. 63° 58' E., 28 lks. dist.
	A pinon, 10 ins. dia., bears S. 50° 10' W., 15 lks. dist. both mkd. X-5-HES-88-BT.
	I destroy the witnesses to Cor. H-6 of the listing survey.
	The position of this corner was governed by the location of listing Cor. H-6, and not by alignment between Cors. 1 and 4 of List No. 4-1754, this being the prior list.
	June 9, 1915.
	Thence East
	Across Lost Creek Valley, along brush fence.
	Along S. boundary of List No. 4-1754 (unsurveyed).
	Through pinon and juniper.
2.48	Forest Service telephone line, bears N. and S.
3.22	Lost Creek, 5 lks. wide, 3 ins. deep, course S.
3.73	Ditch, 1 lk. wide, course S.
5.96	To Cor. 6, identical with Cor. H-7 of the listing survey, and Cor. H-1 of List No. 4-1754 (unsurveyed), which is a lava boulder, firmly set, mkd. and

Chains	
	witnessed as described by the Sur. Gen. I destroy the markings on this stone for Cor. H-7 of List No. 4-833, and alongside to the S., set a basalt stone, 26 x 12 x 5 ins., 16 ins. in the ground, over a can full of broken glass, for Cor. 6 of this survey; mkd. 6-HES-88 on the side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A cedar, 12 ins. dia., bears N. 9° 43' W., 71 lks. dist.
	A cedar, 10 ins. dia., bears N. 80° 50' E., 44 lks. dist.
	Both mkd. X-6-HES-88-BT.
	I destroy the witnesses to Cor. H-7 of the listing survey.
	Thence
	S. 3° 50' E.,
	Over sagebrush land.
	Along stake and rider fence.
9.00	End of fence.
11.00	Lost Creek, 5 lks. wide, 3 ins. deep, course SE.
12.10	Lost Creek, 5 lks. wide, 3 ins. deep, course SW.
21.00	Leave sagebrush, enter pinon and juniper, bears NE. and W.
23.65	To Cor. 7, identical with Cor. H-8 of the listing survey, a lava stone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a lava stone, 26 x 12 x 8 ins., 16 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 7 of this survey; mkd. 7-HES-88 on side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 88

POWELL NATIONAL FOREST

 STATE OF UTAH

Chains	
	2 ft. high, 3½ ft. dist., within the claim.
	A juniper, 7 ins. dia., bears N. 17° 18' W., 31 lks. dist.
	A pinon, 11 ins. dia., bears S. 34° 30' W., 14 lks. dist.
	Both mkd. X-7-HES-88-BT.
	I destroy the witnesses to Cor. H-8 of the listing survey.
	Thence S. 26° 14' E.,
	Over rolling foothills, through pinon and juniper.
15.00	Leave pinon and juniper, enter open sage flat.
15.50	Lost Creek bears W., 15 lks. dist.
34.26	Lost Creek, 5 lks. wide, 3 ins. deep, course E.
39.11	Lost Creek, 5 lks. wide, 3 ins. deep, course SW.
45.54	To Cor. 8, identical with Cor. H-9 of the listing survey, a gray stone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 25 x 14 x 8 ins., 15 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 8 of this survey; mkd. 8-HES-88 on side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high; 3½ ft. dist., within the claim.
	A pinon, 12 ins. dia., bears N. 21° 15' E., 118 lks. dist.
	A cedar, 16 ins. dia., bears N. 61° 23' E., 77 lks. dist.
	Both mkd. X-8-HES-88-BT.
	I destroy the witnesses to Cor. H-9 of the listing survey.

Chains	
	Thence
	S. 6° 08' W.,
	Enter open sage flat.
3.00	Lost Creek, 5 lks. wide, 3 ins. deep, course SE.
7.00	To Cor. 1, the place of beginning.

June 10, 1915.

AREA

Area of H. E. Survey No. 88: 128.04 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A tent frame, with tent, 10 x 12 ft., the NE. cor. of which bears S., 6.00 chs. dist. from Cor. 6.	Value	$ 25.00
About ½ mile of ditch.	Value	$ 50.00
About ½ mile of fence.	Value	$ 50.00
Total value of improvements.		$125.00

DESCRIPTION

This claim lies in an isolated region on Lost Creek, about 10 miles north of Escalante, Utah, with which it is connected by a very poor wagon road. It lies in a small open valley along Lost Creek, and the valley is badly broken by rolling hills and several draws. There are several benches, however, which contain very good soil, which is very suitable for cultivation. Soil a sandy loam. The edge of the claim necessarily extends

Chains

up into the rolling foothills and into pinon and juniper timber. This pinon and juniper timber is very valuable for posts and fuel where it can be utilized, but in this isolated region is of no commercial value. However, it has furnished the claimant with material for fencing and fuel. No indications of mineral were found upon the claim, although it is known that coal veins exist within four or five miles, and probably underlie this claim. The claimant has already broken up and cultivated approximately 12 acres of the agricultural land within the boundaries. This claim is adjoined on the north by another claim, List No. 4-1754 (unsurveyed), but at the time of making this survey it had not been developed.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

June 10, 1915.

Angus M Woodbury
Forest Service Surveyor

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.

BOOK A-430

8—2349 TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 88, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	N. 65° 34' W.	41.84	17 29 / 17	31					38	09	38	09	658	58			
2 - 3	N. 2° 40' E.	27.34	27 29 / 27	31			1	27			1	27	34	66			
3 - 4	N. 36° 34' E.	18.22	14 62 / 14	63			10	85			13	39	195	76			
4 - 5	N. 4° 23' W.	12.30	12 25 / 12	26						94	23	30	285	43			
5 - 6	East	5.96					5	96			28	32					
6 - 7	S. 3° 50' E.	23.65			23 66 / 23	60	1	58			35	86			846	65	
7 - 8	S. 26° 14' E.	45.54			40 88 / 40	85	20 12 / 20	13			57	56			2353	05	
8 - 1	S. 6° 08' W.	7.00			6	96				75	76	93			535	43	
	Totals:	181.85	71	51	71	41	39	79	39	78			1174	43	3735	13	
			71	41			39	78							1174	43	
	Errors:			10				01							20 12560	70	
		1	71	45	71	45	39	78	39	78				Area	128	04	Acres
	Error of Closure = 1809																
		Traverse of tie from Cor. 1 to cor. of Secs. 14, 15, 22 and 23.															
	S. 8° 29' E.	138.56			137	04	20	44									
	West	0.86								86							
					137	04	20	44		86							
								86									
							19	58									
		Computed tie S. 8° 08' E., 138.43															

367

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

August 19, 1916.

The foregoing field notes of Homestead Entry Survey No. 88, SITUATED IN THE POWELL NATIONAL FOREST, ADMINISTRATIVE DISTRICT NO.4, In Sections 3, 10 unsurveyed, Township 34 S., Range 2 E. of the Salt Lake Base and Meridian, State of Utah, Joseph M. Chesnut, claimant.

executed by Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] under his special instructions, dated March 10, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Revised July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
APR 3 1916
SALT LAKE CITY, UTAH

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 90

SITUATED IN THE Powell NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 4 & 5un surveyed, Township 35 S., Range 1 E.

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing Edward L. Adams,

Residence Escalante, Utah

Application No. 54, dated Sept. 1, 19 11

List No. 4-946, dated Dec. ~~14~~ 22, 19 11

Applicant for survey Gilbert McInelly,

Residence Escalante, Utah

H. E. No. 011463, dated May 1, 19 13

Land ~~District~~ Office Salt Lake

Survey executed by Angus M. Woodbury, Surveyor, Forest Service
[Forest Service Title.]

Under special instructions dated Mar. 10, 19 15

Survey commenced June 1, 19 15

Survey completed June 4, 19 15

Under Acts of June 11, 1906; June 30, 1914.

8—2349

[OVER]

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Forest Service Surveyor, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 90, in the State of Utah 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

David O Woodbury
(Chainman)

Subscribed and sworn to before me this 5th day of June, 1915.

Angus M. Woodbury
F. S. Surveyor.

OATH OF SURVEYOR

I, Angus M. Woodbury, Forest Service Surveyor, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated March 10, 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, No. 4-946, dated Dec. ~~14~~ 22, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 90, situated within the Powell National Forest, in un surveyed Sections 4 and 5 Township 35 S., Range 1 E., and surveyed Section, Township, Range,

of the Salt Lake Base and Meridian, Utah, 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.

Angus M. Woodbury
F. S. Surveyor.
[Forest Service Title.]

Subscribed and sworn to before me this 15th day of March, 1916

SEAL.

Geo W. Goshen
Notary Public.

HOMESTEAD ENTRY SURVEY NO. 90

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains

Edward L. Adams, applicant for listing, Application No. 54, dated September 1, 1911.

Gilbert McInelly, entryman and applicant for survey.

Special Instructions dated March 10, 1915, for H. E. Survey No. 90.

Claim situated in unsurveyed Sections 4 and 5, Township 35 South, Range 1 East, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 1, 1915, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other and reading to single minutes of the arc.

Measurements made with a 2-chain Lufkin steel tape and clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

June 4, 1915; at 9 h. 9 m., A. M., 1. m. t., at Cor. 3 of this survey, I observe the altitude of the sun for azimuth.

Latitude = 37° 48' N.) By account from the SE. cor.
Longitude = 111° 51' W.) of T. 35 S., R. 1 E.

OBSERVATION 1

Apparent altitude = 52° 46'

Horizontal Angle (from the sun to the left) = 134° 39'

OBSERVATION 2

Apparent altitude = 53° 52½'

HOMESTEAD ENTRY SURVEY NO. 90

POWELL NATIONAL FOREST

2. STATE OF UTAH.

Chains	
	Horizontal Angle (from the sun to the left) = 135° 52'
	From these observations, I calculate the bearing of a reference object, which is a point of rocks about ½ mile dist., as (1) N. 31° 40' 29" W. and (2) N. 31° 38' 47" W.
	The mean of these is N. 31° 39' 38" W., and to the corresponding meridian all courses of this survey are referred.
	Mean Magnetic Declination = 16° 40' E.
	RETRACEMENT
	Beginning at cor. of Secs. 4, 5, 32 and 33 (survey accepted), Tps. 34 and 35 S., R. 1 E., identical with Cor. 1 of H. E. S. No. 58 (approved), a sandstone, 8 x 8 x 17 ins., above ground, mkd. with 4 notches on the E. face and 2 notches on the W. face, 1-HES-58 on the SW. face, and a cross (x) on the top, and witnessed by four bearing trees, properly marked for each section, I run
	Thence
	S. 16° 29' W.,
	On a random line between Cors. 1 and 2 of H. E. S. No. 58 (approved).
6.98	Cor. H-1 of List No. 4-946, a sandstone, mkd. and witnessed as described by the Sur. Gen.
17.10	To Cor. 2 of H. E. S. No. 58 (approved), identical with Cor. H-2 of List No. 4-946, a sandstone, showing 14 x 10 x 8 ins. above ground, mkd. 2-HES-58 on the N. face and H-2 on the E. face. This line

Chains

is, therefore, a true line and Cor. H-1 of List No. 4-946 is on line between Cors. 1 and 2 of H. E. S. No. 58 (approved).

June 1, 1915; Beginning at Cor. 1 of this survey, identical with Cor. H-1 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 24 x 10 x 6 ins., 14 ins. in the ground, over a tin can, for Cor. 1 of this survey, mkd. 1-HES-90 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.

A pinon, 10 ins. dia., bears N. 57° 10' E., 56 lks. dist.

A cedar, 12 ins. dia., bears S. 62° 53' E., 122 lks. dist.

Both mkd. X-1-HES-90-BT.

I destroy the witnesses to listing Cor. H-1.

The cor. of Secs. 4, 5, 32 and 33 (accepted survey), heretofore described, bears N. 16° 29' E., 6.98 chs. dist., by random line, as heretofore described.

Thence

S. 51° 51' E.,

Over rough broken foothills on the NE. side of Birch Creek Valley.

Through scattering juniper and pinon, and occasionally yellow pine.

Ascend.

HOMESTEAD ENTRY SURVEY NO. 90

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains	
9.00	Point of rocky spur, 25 ft. above cor., ends 1 ch. S.
	Descend.
10.60	Dry wash, course SW., 25 ft. below spur.
11.25	Fence bears NE. and SW.
	Along side hill.
49.00	Descend ledge, 25 ft. high, bears NE. and SW.
51.00	Dry wash, 50 ft. below top of ledge, course SW.
	Ascend.
67.00	Ledgy point, 40 ft. above dry wash.
	Descend towards Birch Creek.
80.00	New Forest Service road under constructions bears E. and W.
81.73	To Cor. 2, about 40 ft. below point of descent, identical with Cor. H-12 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 30 x 16 x 8 ins., 20 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 2 of this survey; mkd. 2-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 8 ins. dia., bears N. 11° 50' E., 109 lks. dist.
	A pinon, 10 ins. dia., bears N. 66° 40' E., 109 lks. dist.
	Both mkd. X-2-HES-90-BT.
	I destroy the witnesses to listing Cor. H-12.
	June 1, 1915.
	Thence
	S. 12° 03' W.,

Chains	
	Across Birch Creek Valley.
4.00	Edge of creek bed, 1 ch. wide, containing creek 20 lks. wide, 8 ins. deep, course SE.
7.23	To Cor. 3, identical with Cor. H-11 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 28 x 10 x 6 ins., 18 ins. in the ground, over a cobble stone, mkd. with a cross (x), for Cor. 3 of this survey; mkd. 3-HES-90 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 48 ins. dia., bears S. 71° 06' E., 116 lks. dist.
	A cottonwood, 11 ins. dia., bears N. 73° 41' E., 142 lks. dist.
	Both mkd. X-3-HES-90-BT.
	I destroy the witness to listing Cor. H-11.
	Thence
	N. 70° 05' W.,
	Along edge of sage flat.
14.00	To Cor. 4, identical with Cor. H-10 of the listing survey, a round stone, firmly set, mkd. as described by the Sur. Gen., in place of which I set a sandstone, 26 x 8 x 6 ins., 16 ins. in the ground, over a glass bottle, for Cor. 4 of this survey; mkd. 4-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 7 ins. dia., bears S. 18° 51' W., 258 lks.

Chains	
	dist.
	A juniper, 8 ins. dia., bears S. 77° 12' W., 218 lks. dist.
	No other bearing objects available.
	Both mkd. X-4-HES-90-BT.
	Thence N. 39° 12' W.,
	Along edge of sage flat.
8.70	Corn Creek, 8 lks. wide, 4 ins. deep, course E.
8.96	To Cor. 5, identical with Cor. H-9 of the listing survey, a sandstone, firmly set, mkd. as described by the Sur. Gen., in place of which I set a sandstone, 25 x 12 x 8 ins., 15 ins. in the ground, over broken china, for Cor. 5 of this survey; mkd. 5-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 40 ins. dia., mkd. X-5-HES-90-BT, bears S. 79° 38' W., 232 lks. dist.
	No other bearing objects available.
	June 2, 1915.
	Thence S. 63° 03' W.
0.15	Fence bears NW. and SE.
0.50	Corn Creek, 8 lks. wide, 4 ins. deep, course NE.
	Along rough sidehill.
37.42	To Cor. 6, identical with Cor. H-8 of the listing survey, a sandstone, firmly set, mkd. as described by the Sur. Gen., in place of which I set a

Chains

sandstone, 32 x 12 x 8 ins., 22 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 6 of this survey; mkd. 6-HES-90 on side facing the claim and a cross (x) on the top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A pinon, 10 ins. dia., bears S. 86° 44' E., 93 lks. dist.

A pinon, 8 ins. dia., bears N. 73° 53' E., 67 lks. dist.

Both mkd. X-6-HES-90-BT.

Thence

N. 53° 51' W.,

Across Corn Creek Valley.

0.80 Corn Creek, 8 lks. wide, 4 ins. deep, course NE.

6.83 To Cor. 7, identical with Cor. H-7 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 30 x 12 x 6 ins., 20 ins. in the ground, over a stone mkd. with a cross (x), for Cor. 7 of this survey; mkd. 7-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A juniper, 10 ins. dia., bears S. 27° 13' E., 58 lks. dist.

A juniper, 5 ins. dia., bears N. 17° 43' E., 109 lks. dist.

Both mkd. X-7-HES-90-BT.

I destroy the witness to listing Cor. H-7.

Chains	
	Thence N. 75° 09' E.,
	Along edge of Corn Creek Valley.
9.80	To Cor. 8, identical with Cor. H-6 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 34 x 16 x 10 ins., 24 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 8 of this survey; mkd. 8-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A juniper, 12 ins. dia., bears N. 32° 09' E., 36 lks. dist.
	A juniper, 14 ins. dia., bears N. 21° 21' W., 35 lks. dist.
	Both mkd. X-8-HES-90-BT.
	I destroy the witness to listing Cor. H-6.
	Thence N. 57° 39' E.,
	Along the edge of Corn Creek Valley.
25.80	Road bears NW. and SE.
26.00	To Cor. 9, identical with Cor. H-5 of the listing survey, which could not be found, but which point was identified by the claimant; I set a granite stone, 26 x 12 x 10 ins., 16 ins. in the ground, over broken glass, for Cor. 9 of this survey, mkd. 9-HES-90 on side facing the claim and a cross (x) on top; and raise a mound of stone, 3 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A juniper, 10 ins. dia., mkd. X-9-HES-90-BT, bears

Chains	
	N. 75° 20' W., 147 lks. dist.
	June 3, 1915.
	Thence
	N. 50° 21' W.,
	Along side of irregular fence, along the edge of Birch Creek Valley.
10.00	Leave fence, bears NE and SE.
11.50	Road bears NW. and SE.
19.40	I make a careful search for listing Cor. H-4, but it could not be located.
38.35	Cor. H-3 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S. 40° 00' W., 38 lks. dist. I destroy it and its witness.
40.00	Road bears N. 60° 00' W. and S. 60° 00' E.
51.00	To Cor. 10, identical with Cor. H-2 of the listing survey, and Cor. 2 of H. E. S. No. 58 (approved), a sandstone, heretofore described. I destroy the markings for listing Cor. H-2 and in place thereof I mark 10-HES-90 on side facing the claim. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence
	N. 16° 29' E.,
	Across Birch Creek Valley.
	Along line 2-1 of H. E. S. No. 58 (approved).
5.00	Birch Creek, 13 lks. wide, 3 ins. deep, course S. 60° 00' E.

Chains	
10.12	To Cor. 1, the place of beginning.

June 4, 1915.

AREA

Area of H. E. Survey No. 90: 99.47 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A frame house, 12 x 14 ft., course of long sides NE. and SW., the NW. cor. of which bears from Cor. 9, S. 66° 05' E., 89 lks. dist. Value $ 10.00

½ mile of pole fence. Value $175.00

About 2 miles of ditch. Value $125.00

Total value of improvements. $310.00

DESCRIPTION

This claim lies on the Escalante-Winder Road on Birch Creek, about 15 miles from Escalante, Utah. The Forest Service is now constructing a graded wagon road along the north side of Birch Creek, and through the north side of this claim. At the present time this road is not completed through the entire length of the claim. The boundaries of the claim include a majority of the land lying along Birch Creek and Corn Creek, which is suitable for cultivation, the soil consisting of an alluvial sandy loam, which is very fertile. Both

Chains

Birch Creek and Corn Creek have cut washes in the land, varying in depth from 3 feet to 10 feet, and is in danger of washing away the best part of the soil. There are a few scattering juniper and pinon along the boundaries of the claim, and a few cottonwoods and willows along the creek banks. This timber is of no commercial value, but may be of some use to the claimant for fence material and fuel. This region is all underlain with coal veins, several of which outcrop on the claim. No other indications of mineral were found. At present the claimant has about 15 acres of land cultivated. The claim is adjoined on the northwest by H. E. S. No. 58 (approved).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

June 4, 1915.

Augustus M. Woodbury
Surveyor,
Forest Service.

Form 87.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Blank

Page

HOMESTEAD ENTRY SURVEY NO. 90

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains

COMPUTATION SHEET

Direct Solars for Azimuth.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

June 4, 1915.

At 9 h. 9 m., A. M., l. m. t., at Cor. 3

Latitude = 37° 48' N.

Longitude = 111° 51' W.

Declination = 22° 21' 58" N.

OBSERVATION 1

Apparent altitude = 52° 46'

Refraction = 00' 44"

True altitude = 52° 45' 16"

Cos. Azm. = + 0.79570 - 1.02023 = - 0.22453

Bearing of sun = S. 77° 01' 29" E.

Horizontal Angle (from the sun to the left) = 134° 39'

Bearing of reference = N. 31° 40' 29" W.

OBSERVATION 2

Apparent altitude = 53° 52' 30"

Refraction = 00' 42"

True altitude = 53° 51' 48"

Cos. Azm. = + 0.81664 - 1.06229 = - 0.24565

Bearing of sun = S. 75° 46' 47" E.

Horizontal Angle (from the sun to the left) = 135° 52'

Bearing of reference = N. 31° 38' 47" W.

Mean bearing of reference = N. 31° 39' 38" W.

Form 83.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 90, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S. 51° 51' E.	81.73		50 45 / 50 49	64 24 / 64 27		69 96		3529 48
2 - 3	S. 12° 03' W.	7.23		7 07		1 51	132 69		938 12
3 - 4	N. 70° 05' W.	14.00	4 75 / 4 77			13 17 / 13 16	118 01	564 09	
4 - 5	N. 39° 12' W.	8.96	6 94			5 66	99 18	688 31	
5 - 6	S. 63° 03' W.	37.42		16 94 / 16 96		33 37 / 33 36	60 15		1018 94
6 - 7	N. 53° 51' W.	6.83	4 03			5 52	21 26	85 68	
7 - 8	N. 75° 09' E.	9.80	2 51		9 47		25 21	63 28	
8 - 9	N. 57° 39' E.	26.00	13 92 / 13 91		21 95 / 21 96		56 63	788 29	
9 - 10	N. 50° 21' W.	51.00	32 57 / 32 54			39 29 / 39 27	39 29	1279 68	
10 - 1	N. 16° 29' E.	10.12	9 71 / 9 70		2 86 / 2 87		2 86	27 77	
	Totals:	253.09	74 40	74 52	98 57	98 48		3497 10	5486 54
				74 40	98 48				3497 10
	Errors:			12	09				20)1989 44
			74 46	74 46	98 52	98 52		Area	99 47 Acres

Error of Closure = $\frac{1}{1687}$

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 28, , 1916

The foregoing field notes of Homestead Entry Survey No. 90 situated in the Powell National Forest, in unsurveyed Secs. 4 & 5 Tp. 35 S., R. 1 E. of the Salt Lake Base and Meridian, Utah; Gilbert Mc Inelly, claimant.

executed by Angus M. Woodbury, Surveyor [Forest Service Title.] under his special instructions, dated March 10, , 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Revised July 1, 1914.)

391

U. S. Surveyor General
APR 3 1916
SALT LAKE CITY, UT

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430 FOREST SERVICE

FIELD NOTES

OF K.I.F.

HOMESTEAD ENTRY SURVEY NO. 91

SITUATED IN THE Powell NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 10, 11 unsurveyed, Township 35 S., Range 2 W.
14, 15

COMPOSITE SURVEY

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing - Robert W. Pinney.

Winder, Utah.

Additional homestead application No. 142,

dated March 22, 1916.

List No. , dated 1916.

Applicant for listing - George Pinney,
Residence - Cannonville, Utah
Application No. 42, dated March 13, 1911
List No. 4-797, dated August 12, 1911.

Applicant for listing Robert W. Pinney,

Residence Henrieville, Utah

Application No. 55 , dated October 19 , 19 11

List No. 4-947 , dated Dec. 14 , 19 11

Applicant for survey Robert W. Pinney,

Residence Winder, Utah

H. E. No. 011132 , dated March 8 , 19 13

Land ~~District~~ Office Salt Lake ~~Utah.~~

Survey executed by Angus M. Woodbury, F. S. Surveyor.
[Forest Service Title.]

Under special instructions dated March 10 , 19 15

Survey commenced June 15 , 19 15

Survey completed June 17 , 19 15

Under Acts of June 11, 1906, and June 30, 1914.

8—2319

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, F. S. Surveyor, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 91, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Geo H. Barney, (Flagman)
Joseph J. Porter (Chainman)
David O. Woodbury (Chainman)

Subscribed and sworn to before me this 17th day of June, 1915.

Angus M. Woodbury
F. S. Surveyor.

OATH OF SURVEYOR

I, Angus M. Woodbury, F. S. Surveyor, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated Mar. 10, 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 homestead application No. 142 and List No. 4-797, dated Aug. 12, 1911 List, No. 4-947, dated Dec. 14, 1911, for and patent, under the Act of June 11, 1906, June 30, 1c the same to be known as Homestead Entry Survey No. 91, situated within the Powell National Forest, in unsurveyed Sections 10,11, Township 35 S., Range 2 W., and surveyed Section 14,15, Township, Range,

of the Salt Lake Base & meridian, Utah, 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.

Angus M. Woodbury
F. S. Surveyor.
[Forest Service Title.]

Subscribed and sworn to before me this 17th day of March, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 91

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains

COMPOSITE SURVEY

Robert W. Pinney, applicant for listing, Application No. 55, dated October 19, 1911, and additional Application No. 142, dated March 22, 1916.

George Pinney, applicant for listing, Application No. 42, dated March 13, 1911.

Special Instructions dated March 10, 1915, for H. E. Survey No. 91.

Claim situated in unsurveyed Sections 10, 11, 14 and 15, Township 35 South, Range 2 West, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 15, 1915, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of arc.

Measurements made with a Lufkin 2-chain steel tape and clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

June 16, 1915; at Cor. 3 of this survey, at 2 h. 40 m., A. M., l. m. t., with my plates set at zero, I observe Polaris in position, and turn an angle of 1° 28' to the left to a reference stake, firmly set, centered with a tack, about 5 chs. north of my station.

Latitude = 37° 47' 30" N.) From my Special
Longitude = 112° 03' W.) Instructions.

Chains

U. C. Polaris, June 16, 1915 - - - 7 h. 54.7 m., A. M.
Longitude correction - - - - - - - - 01.2 m.
L. m. t., U. C. Polaris - - - - - - 7 h. 53.5 m., A. M.

L. m. t., obsn., June 16, 1915 - - 2 h. 40 m., A. M.
Argument - - - - - - - - - - - - - - - 5 h. 13.5 m.
Azimuth of Polaris = N. 1° 26' E.
Bearing of stake = N. 0° 02' W.

At the same station, at 2 h. 44 m., A. M., I again set the plates at zero and observe Polaris in position, turning an angle of 1° 27½' to the left to the reference stake, heretofore described.

L. m. t., U. C. Polaris, June 16, 1915 - - 7 h. 53.5 m., A
L. m. t. of observation - - - - - - - - - - 2 h. 44 M.
Argument - 5 h. 9.5 m.
Azimuth of Polaris = N. 1° 25½' E.
Bearing of stake = N. 0° 02' W.

The mean of these is N. 0° 02' W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 43' E.

RETRACEMENT

Beginning at Cor. 4 of H. E. Survey No. 85 (unapproved), which is a sandstone, firmly set, showing 10 x 10 x 8 ins. above ground, mkd. 4-HES-85 on SW. face and a cross (x) on top, and properly witnessed by a mound of earth and two bearing trees.

Thence

S. 4° 30' W.,

Chains	
9.77	To Cor. H-11 of List No. 4-947, hereafter described.
31.36	To Cor. 5 of H. E. S. No. 85 (unapproved), which is a sandstone, firmly set, showing 10 x 10 x 6 ins. above ground, mkd. 5-HES-85 on NW. face and a cross (x) on top, and witnessed by a mound of earth and two properly mkd. bearing trees.
	Cor. H-11 of List No. 4-947 is, therefore, on line between Cors. 4 and 5 of H. E. S. No. 85 (unapproved).
	June 15, 1915.

BEGINNING AT COR. 1, identical with Cor. 6 of H. E. S. No. 85 (unapproved), which is a limestone, firmly set, showing 14 x 10 x 8 ins. above ground, mkd. 6-HES-85 on NE. face and a cross (x) on top, and witnessed by a mound of earth and stone, 3 ft. base, 2 ft. high, 2½ ft. dist. to the NE., and two properly mkd. bearing trees. I mark the stone 1-HES-91 on SE. face for Cor. 1 of this survey.

A yellow pine, 10 ins. dia., bears S. 18° 30' W., 247 lks. dist.

A yellow pine, 8 ins. dia., bears N. 50° 46' W., 276 lks. dist.

Both mkd. X-1-HES-91-BT.

No bearing objects available within 2 chs.

The cor. of Secs. 3, 4, 9 and 10, T. 35 S., R. 2 W. (survey accepted), which is a sandstone, firmly set, showing 8 ins. above ground, mkd. 3 notches on E. and 5 notches on S. edges, bears N. 45° 42' W., 93.67 chs. dist., by traverse, computations of which are hereto attached.

Chains	
	Thence
	S. 72° 39' E.,
	Across Clay Creek Valley, through scattering timber.
	On a true line between Cors. 6 - 5 of H. E. S. No. 85 (unapproved).
5.00	Clay Creek, 8 lks. wide, 3 ins. deep, in a wash 50 lks. wide, 5 ft. deep, course N. 30° 00' W.
12.65	Fence bears N. 38° 00' W. and S. 38° 00' E.
	Pass from unlisted land to List No. 4-797.
22.15	To Cor. 2, identical with Cor. 5 of H. E. S. No. 85 (unapproved), a sandstone, showing 10 x 10 x 6 ins., above ground, mkd. 5-HES-85 on the NW. face and a cross (x) on top, and witnessed by a mound of earth and stone, and two bearing trees. I mark this stone 2-HES-91 on SE. face, for Cor. 2 of this survey.
	A yellow pine, 38 ins. dia., bears N. 80° 02' E., 45 lks. dist.
	A yellow pine, 24 ins. dia., bears S. 74° 50' E., 39 lks. dist.
	Both mkd. X-2-HES-91-BT.
	Cor. H-1 of List No. 4-947, ~~identical with Cor. H-6 of List No. 4-797,~~ which is a limestone, mkd. and witnessed as described by the Sur. Gen., bears S. 89° 54' W., 6.36 chs. dist. I destroy it and its witnesses.
	Cor. H-12 of List No. 4-947 was apparently destroyed when survey was made of H. E. S. No. 85 (unapproved) since no trace of this cor. could be found. I destroy the witnesses for Cor. H-12 of List No. 4-947.

Chains	
	Thence
	N. 4° 30' E.,
	Over open rolling ground, on a true line between Cors. 5-4 of H. E. S. No. 85 (unapproved).
7.00	Enter ditch, 3 lks. wide, course N. 4° 00' E.
8.30	Leave same ditch, course N. 10° 00' E.
9.50	Fence corner, fences bear N. 4° 30' E. and S. 70° 00' E.
	Along fence.
10.80	Wash, 20 lks. wide, 3 ft. deep, course W.
18.00	Fence corner, fences bear S. 4° 30' W. and N. 10° 00' W.
20.34	Ditch, 3 lks. wide, course N.
21.59	To Cor. 3, identical with Cor. H-11 of List No. 4-947, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 27 x 14 x 10 ins., 17 ins. in the ground, over a granite stone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. 3 of this survey; mkd. 3-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 28 ins. dia., bears N. 72° 30' E., 38 lks. dist.
	A yellow pine, 8 ins. dia., bears S. 12° 06' W., 69 lks. dist.
	Both mkd. X-3-HES-91-BT.
	I destroy the witnesses to Cor. H-11 of List No. 4-947.
	Cor. 4 of H. E. S. No. 85 (unapproved), heretofore described, bears N. 4° 30' E., 9.77 chs. dist.
	Thence
	S. 27° 28' E.,
	Across rolling foothills, through sagebrush.

Chains	
15.20	To Cor. 4, identical with Cor. H-10 of List No. 4-947, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 25 x 14 x 10 ins., 15 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 4 of this survey; mkd. 4-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 18 ins. dia., bears N. 2° 30' W., 56 lks. dist.
	A yellow pine, 30 ins. dia., bears S. 1° 30' E., 28 lks. dist.
	Both mkd. X-4-HES-91-BT.
	I destroy the witnesses to Cor. H-10 of List No. 4-947.
	Thence S. 54° 09' E.,
	Along edge of open valley, through sagebrush.
16.55	To Cor. 5, identical with Cor. H-9 of List No. 4-947, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 30 x 12 x 5 ins., 20 ins. in the ground, over broken glass, for Cor. 5 of this survey; mkd. 5-HES-91 on side facing the claim and a cross (x) on top. Rocks scarce, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 12 ins. dia., bears N. 17° 35' E., 124 lks. dist.
	A yellow pine, 14 ins. dia., bears N. 52° 42' E., 172

Chains

lks. dist.

Both mkd. X-5-HES-91-BT.

I destroy the witnesses to Cor. H-9 of List No. 4-947.

Thence

S. 12° 00' E.,

Along edge of open valley, through sagebrush.

40.94 To Cor. 6, identical with Cor. H-8 of List No. 4-947, a sandstone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 26 x 14 x 8 ins., 16 ins. in the ground, over broken glass, for Cor. 6 of this survey; mkd. 6-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 26 ins. dia., bears N. 75° 39' E., 68 lks. dist.

A pinon pine, 10 ins. dia., bears S. 52° 55' E., 69 lks. dist.

Both mkd. X-6-HES-91-BT.

I destroy the witnesses to Cor. H-8 of List No. 4-947.

Thence

S. 28° 11' E.,

Along edge of open valley, through sagebrush.

15.32 To Cor. 7, identical with Cor. H-7 of List No. 4-947 and Cor. H-6 of List No. 4-1384 (unsurveyed), a sandstone, mkd. as described by the Sur. Gen. I deface the markings for the listing survey, and alongside to the west, I set a sandstone, 25 x 14 x 5 ins., 15 ins. in the ground, over a stone, mkd. with a cross (x), for Cor. 7 of this survey; mkd.

Chains	
	7-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A sandstone, 6 x 5 x 4 ft. above ground, bears N. 22° 57' E., 207 lks. dist.
	A sandstone ledge, 3 ft. high, bears S. 89° 24' E., 164 lks. dist.
	Both mkd. X-7-HES-91-BR.
	I destroy the markings for Cor. H-7 of List No. 4-947.
	June 16, 1915.
	Thence
	S. 77° 14' W.,
	On a true line between List No. 4-947 and List No. 4-1384 (unsurveyed).
	Across Clay Creek Valley, through sagebrush.
7.00	Leave sagebrush, enter scattering timber, bears NW. and SE.
9.62	To Cor. 8, identical with Cor. H-6 of List No. 4-947 and Cor. H-1 of List No. 4-1384, a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen. I deface the markings for the listing survey and alongside to the north, I set a sandstone, 24 x 8 x 5 ins., 14 ins. in the ground, over a granite stone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. 8 of this survey; mkd. 8-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A red cedar, 11 ins. dia., bears S. 30° 20' W., 25 lks. dist.
	A spruce, 16 ins. dia., bears N. 65° 51' W., 35 lks.

Chains	
	dist.
	Both mkd. X-8-HES-91-BT.
	I destroy the witnesses for Cor. H-6 of the listing survey,
	Cor. H-5 of the listing survey, a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears N. 29° 00' W., 7.82 chs. dist. I destroy it and its witnesses.
	Thence
	N. 40° 48' W.,
	Leave List No. 4-947 and enter unlisted land.
	Along Clay Creek Valley, through scattering timber.
6.00	To Clay Creek, 8 lks. wide, 3 ins. deep, course N.
21.13	Leave unlisted land and enter List No. 4-947.
25.50	Clay Creek, 8 lks. wide, 3 ins. deep, flows N. 60° 00' W.
28.50	Cor. H-4 of the listing survey, a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen., bears S. 40° 00' W., 1.00 chs. dist. I destroy it and its witnesses.
37.00	Wire fence bears NE. and SW.
49.00	To Cor. 9, identical with Cor. H-3 of List No. 4-947, a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen., in place of which I set a sandstone, 25 x 10 x 5 ins., 15 ins. in the ground, over a granite stone, 3 x 3 x 2 ins., mkd. with a cross (x), for Cor. 9 of this survey; mkd. 9-HES-91 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A red cedar, 8 ins. dia., bears S. 69° 54' W., 53 lks.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 91

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains	
	dist.
	A yellow pine, 25 ins. dia., bears N. 6° 55' W., 60 lks. dist.
	Both mkd. X-9-HES-91-BT.
	I destroy the witnesses to Cor. H-3 of List No. 4-947.
	Cor. H-2 of List No. 4-947, a boulder, firmly set, mkd. and witnessed as described by the Sur. Gen., bears N. 7° 30' E., 12.47 chs. dist. I destroy it and its witnesses.
	Thence
	N. 33° 17' W.
	Leave List No. 4-947 and enter unlisted land.
	Along Clay Creek Valley, through scattering timber.
4.75	Clay Creek, 8 lks. wide, 3 ins. deep, flows N.
17.00	Bend in Clay Creek, course N.
32.12	To Cor. 1, the place of beginning.

June 17, 1915.

AREA

Total area of H. E. Survey No. 91:	158.83 acres
Area of listed land included:	139.10 "
Area to be listed:	19.73 "

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A frame house, 24 x 24 ft., course of sides N. 10° 00' W. and S. 10° 00' E., the NE. cor. of which bears from Cor. 3, S. 6° 10' E., 5.00 chs. dist.

Value $300.00

Chains

A frame granary, 16 x 16 ft., course of sides N. and S., the NE. cor. of which bears from Cor. 3, S., 6.75 chs. dist.

Value $100.00

A frame blacksmith shope, 14 x 14 ft., course of sides N. and S., the NW. cor. of which bears from Cor. 3, S. 6° 00' E., 6.80 chs. dist.

Value $ 25.00

A frame stable, 12 x 20 ft., course of long sides E. and W., the NE. cor. of which bears from Cor. 3, S., 8.00 chs. dist.

Value $ 75.00

A pole corral, 70 x 75 lks., adjoining the stable on the S.

Value $ 25.00

About 1 mile of fencing.

Value $150.00

About 1 mile of ditch. Value $ 50.00

Total value of improvements. $725.00

DESCRIPTION

This claim lies in the narrow Clay Creek Valley, about 6 miles south of Winder, Utah, with which place it is connected by a fairly good wagon road. This narrow creek valley contains some deep alluvial soil, fringed on the edges by rough rolling foothills. The boundaries of the claim naturally extend a short distance into the foothills in certain places. The timber on this claim consists principally of yellow pine and spruce, with some scattering juniper and pinon. All the merchantable timber has been cut from this land

Chains

in recent timber sales. No indications of minera were found on the claim, although it is known that coal veins exist in the vicinity, and probably underlie this claim. The claimant has at present about 25 acres of land cultivated. This claim is adjoined on the northwest by H. E. S. No. 85 (unapproved), and on the southeast by List No. 4-1384 (unsurveyed).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

June 17, 1915.

Angus M. Woodbury

Surveyor, Forest Service.

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 91, STATE OF Utah. Powell National Forest.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
Listed area included.																	
2 - 3	N. 4° 30' E.	21.59	21	52			1	68 / 69			19	82	426	53			
3 - 4	S. 27° 28' E.	15.20			13	49	7	00 / 01			28	50			384	47	
4 - 5	S. 54° 09' E.	16.55			9	69	13	40 / 41			48	90			473	84	
5 - 6	S. 12° 00' E.	40.94			40	04 / 05	8	50 / 51			70	80			2834	83	
6 - 7	S. 28° 11' E.	15.32			13	50	7	23 / 24			86	53			1168	16	
7 - 8	S. 77° 14' W.	9.62			2	13			9	38	84	38			179	73	
8 - H5	N. 29° 00' W.	7.82	6	84					3	79	71	21	487	08			
H5 -	N. 48° 00' W.	13.55	9	07					10	07	57	35	520	16			
- 9	N. 40° 48' W.	27.87	21	10 / 11					18	21 / 22	29	06	613	46			
9 - H2	N. 7° 30' E.	12.47	12	37			1	63			12	47	154	25			
H2 - H1	N. 29° 00' W.	9.04	7	91					4	38	9	72	76	89			
H1 -	West	0.48								48	4	86					
-	N. 37° 30' W.	3.60	2	86					2	19	2	19	6	26			
- 2	S. 72° 39' E.	9.50			2	83	9	07			9	07			25	67	
	Totals:	203.55	81	67	81	69	48	56	48	50			2284	63	5066	70	
					81	67	48	50							2284	63	
	Errors:					02		06							20) 2782	07	
			81	68	81	68	48	51	48	51				Area	139	10	Acres
	Error of Closure = $\frac{1}{3218}$																

40

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 91, STATE OF Utah.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Tie line from Cor. 1 to cor. of Secs. 3, 4, 9 and 10.							Log	67.04 = 1.826334	
1-HES91 - 7-HES85	N. 37° 33' W.	30.00	23 78			18 28	Log	65.42 = 1.815711	
7-HES85 - 1-HES85	N. 7° 18' W.	43.66	43 31			5 55	Log tan	0.010623 = 45° 42'	
1-HES85 - Cor. 4:3 / 9:10	S. 87° 47' W.	43.24		1 67		43 21			
			67 09	1 67		67 04	Log	67.04 = 1.826334	
			1 67				Log sin. 45° 42'	9.854727	
Computed tie	N. 45° 42' W.	93.67	65 42				Log	1.971607 = 93.67 chs.	

°This line was actually re-run in the field.

407

Blank

Page

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.

BOOK A-430

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 91, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	S. 72° 39' E.	22.15			6	61	21	14			21	14			139	74
2 - 3	N. 4° 30' E.	21.59	21	52			1	69			43	97	946	23		
3 - 4	S. 27° 28' E.	15.20			13	49	7	01			52	67			710	52
4 - 5	S. 54° 09' E.	16.55			9	69	13	41			73	09			708	24
5 - 6	S. 12° 00' E.	40.94			40	05	8	51			95	02			3805	55
6 - 7	S. 28° 11' E.	15.32			13	50	7	24			110	78			1495	53
7 - 8	S. 77° 14' W.	9.62			2	13			9	38	108	64			231	40
8 - 9	N. 40° 48' W.	49.00	37	09					32	02	67	25	2494	98		
9 - 1	N. 33° 17' W.	32.12	26	85					17	63	17	62	473	10		
	Totals	222.49	85	46	85	47	59	00	59	03			3914	31	7090	98
					85	46			59	00					3914	31
	Errors:					01				03					20)3176	67
															158	83 acres
	Error of Closure = 1 : 7036															

409

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

August 9, 1916

The foregoing field notes of Homestead Entry Survey No. 91, situated in Powell National Forest in Unsurveyed Secs. 10, 11, 14 and 15, T. 35 S., R. 2 W., of Salt Lake Base and Meridian, Utah, Robert W. Pinney, Claimant,

executed by Angus M. Woodbury, F. S. Surveyor [Forest Service Title.] under his special instructions, dated March 10, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

M. A. Thorsen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Revised July 1, 1914.)

413

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

U. S. Surveyor General's
APR 10 1916
SALT LAKE CITY, UT

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 93

SITUATED IN THE DIXIE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 3 Partly surveyed, Township 39 S., Range 16 W.,

of the

Salt Lake Base & Meridian.

State of

Utah

Applicant for listing Raymond Burgess

Residence Central, Utah

Application No. 55, dated October 17, 1911

List No. 4-955, dated February 29, 1912

Applicant for survey Raymond Burgess

Residence Central, Utah

H. E. No. ~~011977~~ 010977, dated January 29, 1913

Land ~~District~~ Office Salt Lake

Survey executed by Angus M. Woodbury, Surveyor, [Forest Service Title.]

Under special instructions dated March 11, 1915

Survey commenced May 7, 1915

Survey completed May 9, 1915

Under Acts of June 11, 1906 and June 30, 1914

8—2340

OATH OF ASSISTANTS

We hereby certify that we assisted Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 93, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Samuel W. Macfarlane (Chainman)
David S. Woodbury (Chainman)

Subscribed and sworn to before me this 9th day of May, 1915.

Angus M. Woodbury
Surveyor, Forest Service.

OATH OF SURVEYOR

I, Angus M. Woodbury, Surveyor, Forest Service, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated March 11, 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, No. 4-955, dated Feb. 29, 1912, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 93, situated within the Dixie National Forest, in partly surveyed Section 3, Township 39 S., Range 16 W., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

Angus M. Woodbury
Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this 4th day of April, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

HOMESTEAD ENTRY SURVEY NO. 93

DIXIE NATIONAL FOREST

STATE OF UTAH.

Chains

Raymond Burgess, applicant for listing, application No. 55, dated October 17, 1911.

Special Instructions dated March 11, 1915, for H. E. Survey No. 93.

Claim situated in partly surveyed Section 3, Township 39 South, Range 16 West (survey accepted), of the Salt Lake Base and Meridian, Utah, in the Dixie National Forest.

Authority contained in the Acts of June 11, 1906 and June 30, 1914.

Survey commenced on May 7, 1915, and executed with Gurley Light Mountain Transit No. 12977, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of arc.

Measurements made with a Dietzgen 2-chain steel tape and clinometer.

I examine the adjustments of the transit, and make the necessary correction.

May 7, 1915; at 6 h. 44 m., P. M., l. m. t., at Cor. 5 of this survey, I sight to a tree about two miles dist. as a reference object, and turn a horizontal angle of 148° 45½' to the right to Polaris in position.

Latitude = 37° 27½' N.) From SE. cor. of T. 38 S.,
Longitude = 113° 35' W.) R. 16 W.

U. C. Polaris, May 7, 1915 - - - 10 h. 31.4 m., A. M.
Longitude correction - - - - - - - 01.2 m.
L. m. t., U. C. Polaris - - - - - 10 h. 30.2 m., A. M.

HOMESTEAD ENTRY SURVEY NO. 93

DIXIE NATIONAL FOREST

2. STATE OF UTAH.

Chains

Subtract from - - - - - - - - - - - - 12 h. 00 m.
Time to noon - - - - - - - - - - - - 1 h. 29.8 m.
L. m. t., obsn. of Polaris - - - - 6 h. 44 m., P. M.
Time argument - - - - - - - - - - - - 8 h. 13.8 m.
Azimuth of Polaris = N. 1° 11½' W.
Bearing of reference object = S. 30° 03' W.

At the same point, at 7 h. 32 m., P. M., l. m. t., I sight to the same reference object, and turn an angle of 148° 57½' to the right to Polaris in position.

Latitude and Longitude previously stated.

L. m. t., U. C. Polaris, May 7, 1915 - 10 h. 30.2 m., A.M.
Subtract from - - - - - - - - - - - - 12 h. 00 m.
Time to noon - - - - - - - - - - - - 1 h. 29.8 m.
L. m. t., obsn. of Polaris - - - - - 7 h. 32 m., P.M.
Argument - - - - - - - - - - - - - - 9 h. 1.8 m.
Azimuth of Polaris - - - - - - - - - N. 1° 00' W.
Bearing of reference object = S. 30° 02½' W.

The mean bearing of the reference object, as determined by these two observations is S. 30° 02' 45" W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 45' E.

RETRACEMENT

Beginning at Cor. 2 of H. E. S. 79 (unapproved), an andesite stone, set flush with the surface of the ground, mkd. X-2-HES-79, and witnessed by mound of stone and two bearing trees, I run

Chains	
	Thence North
	On a random line between Cors. 3-2 of H. E. S. No. 79 (unapproved).
5.00	Set a stake for temporary Cor. 5 of this survey.
20.00	Strike Cor. 3 of H. E. S. No. 79 (unapproved), an andesite stone, showing 10 ins. above ground, mkd. X-3-HES-79, and witnessed by mound of stone and two bearing trees.
	This course is, therefore, a true line, and the temporary stake set for Cor. 5 is at true point for Cor. 5 of this survey.

	BEGINNING AT COR. 1, I set an andesite stone, 28 x 16 x 12 ins., 18 ins. in the ground, over a broken glass bottle, for Cor. 1 of this survey, mkd. 1-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A cedar, 5 ins. dia., bears S. 69° 41' W., 93 lks. dist.
	A cedar, 7 ins. dia., bears S. 6° 06' E., 136 lks. dist.
	Both mkd. X-1-HES-93-BT.
	The cor. of Secs. 34 and 35 on the S. boundary of T. 38 S., R. 16 W. (survey accepted), an andesite stone, 24 x 16 x 4 ins., set in a mound of earth and stone, mkd. 2 notches on the E. and 4 notches on the W. edges, and witnessed by a mound of stone on the W., being in sight, bears N. 33° 35' E., 5.16 chs. dist.
	Thence South

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 93

DIXIE NATIONAL FOREST

STATE OF UTAH.

Chains	
	Over slightly rolling ground, through scattering and heavy juniper and pinon.
16.50	Ditch, 3 lks. wide, 4 ins. deep, course S. 15° 00' E.
54.96	To Cor. 2, for which I set a limestone, 24 x 12 x 10 ins., 14 ins. in the ground, over a broken glass bottle, for Cor. 2 of this survey; mkd. 2-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A cedar, 8 ins. dia., bears N. 0° 29' W., 26 lks. dist.
	A cedar, 10 ins. dia., bears S. 42° 07' W., 12 lks. dist
	Both mkd. X-2-HES-93-BT.
	Fence corner bears N. 55° 00' W., 36 lks. dist., from which fences bear N. and W.
	Thence
	N. 89° 35' W.,
	Over rolling ground, through heavy juniper and pinon, alongside an irregular wire fence.
10.00	To Cor. 3, for which I set a lava stone, 26 x 16 x 10 ins., 16 ins. in the ground, over broken glass, for Cor. 3 of this survey; mkd. 3-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A cedar, 7 ins. dia., bears S. 49° 54' W., 45 lks. dist.
	A cedar, 5 ins. dia., bears S. 59° 00' E., 66 lks. dist.
	Both mkd. X-3-HES-93-BT.
	Fence bears E. and W.
	Thence
	South

Chains	
	Over rolling ground, through heavy juniper and pinon.
13.07	Corral fence bears NE. and SW. Enter corral.
14.35	Corral fence bears NW. and SE. Leave corral.
14.80	Wagon road bears NW. and SE.
14.99	To Cor. 4, for which I set a gray sandstone, 26 x 24 x 9 ins., 16 ins. in the ground, over broken glass, for Cor. 4 of this survey, mkd. 4-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A cedar, 10 ins. dia., bears S. 33° 27' E., 32 lks. dist.
	A cedar, 7 ins. dia., bears S. 87° 57' E., 120 lks. dist.
	Both mkd. X-4-HES-93-BT.
	Thence
	N. 89° 35' W.,
	Over open level ground, through sagebrush.
0.25	Ditch, 12 lks. wide, 10 ins. deep, course NW.
0.75	St. George - Modena wagon road, bears N. and S.
1.00	Fence corner, from which fences bear NW. and W.
4.98	Fence corner, from which fences bear S., E. and W.
5.00	To Cor. 5, on line between Cors. 2-3 of H. E. S. No. 79 (unapproved), identical with stake set at point for Cor. 5 of this survey, in place of which I set a conglomerate stone, 24 x 18 x 8 ins., 14 ins. in the ground, over broken glass, for Cor. 5 of this survey; mkd. 5-HES-93 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base,

Chains	
	2½ ft. high, 3½ ft. dist., within the claim.
	Cor. 2 of H. E. S. No. 79 (unapproved), heretofore described, bears S., 5.00 chs. dist.
	May 8, 1915.
	Thence
	North
	Along line 2-3 of H. E. S. No. 79 (unapproved).
5.16	Wire fence bears E. and W.
6.50	Ditch, 12 lks. wide, 6 ins. deep, course NW.
8.00	St. George - Modena road bears NW. and SE.
15.00	To Cor. 6, identical with Cor. 3 of H. E. S. No. 79 (unapproved), an andesite stone, 12 x 5 ins., showing 10 ins. above ground, mkd. 3-HES-79 on the SW. face and a cross (x) on top, and witnessed by a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist. to the SW., and by two bearing trees. I mark the stone 6-HES-93 on the side facing the claim, for Cor. 6 of this survey; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 12 ins. dia., bears N. 88° 03' E., 181 lks. dist.
	A cedar, 5 ins. dia., bears S. 12° 15' E., 60 lks. dist.
	Both mkd. X-6-HES-93-BT.
	Fence bears E. and W.
	Thence
	N. 89° 35' W.,
	Along line 3- 4 of H. E. S. No. 79 (unapproved).
0.20	Fence corner, from which fences bear N. and E.
0.40	St. George - Modena wagon road, bears N. and S.

Chains	
1.50	Fence bears N. and S.
6.65	East edge of Kane Spring Wash, 100 lks. wide, 5 ft. deep, course S.
20.00	To Cor. 7, identical with Cor. 4 of H. E. S. No. 79 (unapproved), an andesite stone, 14 x 10 ins., showing 10 ins. above ground, mkd. 4-HES-79 on the SE. face and a cross (x) on top, and witnessed by a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., to the SE., and by two bearing trees. I mark the stone 7-HES-93 on side facing the claim, for Cor. 7 of this survey; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 10 ins. dia., bears S. 22° 14' E., 146 lks. dist.
	A cedar, 12 ins. dia., bears S. 89° 13' E., 329 lks. dist.
	Both mkd. X-7-HES-93-BT.
	The ¼ cor. between Secs. 3 and 10, T. 39 S., R. 15 W. (survey accepted), a basalt stone, mkd. ¼ on N. face, bears S., 19.99 chs. dist.
	Thence
	North
	Over level land, through scattering juniper and pinon.
10.00	To Cor. 8, for which I set a basalt stone, 26 x 16 x 12 ins., 16 ins. in the ground, over a broken glass bottle, for Cor. 8 of this survey; mkd. 8-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., within the claim.
	A juniper, 8 ins. dia., bears S. 21° 55' W., 62 lks. dist.

Chains	
	A juniper, 10 ins. dia., bears S. 65° 01' W., 62 lks. dist.
	Both mkd. X-8-HES-93-BT.
	Fence bears E. and W.
	Thence
	S. 89° 35' E.,
	Over rolling ground, through juniper and pinon.
17.00	West edge of Kane Spring Dry Wash, 1.00 ch. wide, 4 ft. deep. course S.
18.50	Fence bears N. and S.
	Leave juniper and pinon, enter sagebrush, bears N. and S.
19.00	St. George - Modena wagon road bears N. and S.
19.40	Fence bears N. and S.
	Leave sagebrush, enter cultivated land, bears N. and S.
20.00	To Cor. 9, for which I set a lava stone, 27 x 18 x 8 ins., 17 ins. in the ground, over broken glass, for Cor. 9 of this survey, mkd. 9-HES-93 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2½ ft. high, 3½ ft. dist., within the claim.
	A juniper, 12 ins. dia., bears N. 46° 02' W., 145 lks. dist.
	A juniper, 12 ins. dia., bears N. 85° 43' W., 176 lks. dist.
	Both mkd. X-9-HES-93-BT.
	Thence
	North
	Over level cultivated land.
10.30	Fence bears E. and W. Enter orchard.

Chains	
15.30	Fence bears E. and W.
	Leave orchard, enter sagebrush, bears E. and W.
19.00	South edge of Kane Spring Wash, 1.00 ch. wide, 4 ft. deep, course SW.
20.00	Leave sagebrush, enter scattering juniper and pinon, bears E. and W.
30.50	Enter Kane Spring Wash, and follow.
37.50	Leave Kane Spring Wash, course S.
39.00	Wire fence bears NE. and SW.
43.30	To a point on the right bank of Kane Spring Wash; I set an andesite stone, 25 x 12 x 9 ins., 15 ins. in the ground, over a broken glass bottle, for a witness corner to Cor. 10 of this survey; mkd. 10-HES-93 on side facing the claim, WC on side facing point for Cor. 10, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft. dist., S. of cor.
	A juniper, 6 ins. dia., bears S. 3° 02' E., 177 lks. dist.
	A juniper, 7 ins. dia., bears S. 83° 55' W., 162 lks. dist.
	Both mkd. X-10-HES-93-WC-BT
45.00	To Cor. 10, not set, in the bed of the Kane Spring Wash.
	Thence
	S. 89° 35' E.
1.15	To a point on the left bank of Kane Spring Wash; I set a basalt stone, 24 x 10 x 6 ins., 14 ins. in the ground, over a broken glass bottle for a witness corner to Cor. 10 of this survey; mkd. WC on side facing the corner point, 10-HES-93 on side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 3 ft. high, 3½ ft.

Chains	
	dist., E. of cor.
	A juniper, 12 ins. dia., bears N. 35° 12' E., 71 lks. dist.
	A juniper, 6 ins. dia., bears S. 27° 35' E., 86 lks. dist.
	Both mkd. X-10-HES-93-WC-BT.
	Over rolling land, through scattering juniper and pinon.
2.00	Dry wash, 25 lks. wide, 2 ft. deep, course SW.
2.22	Wire fence bears N. 30° 00' E. and S. 30° 00' W.
	Fence corner bears N. 30° 00' E., 20 lks. dist., from which fences bear S. 30° 00' W. and E.
5.80	Wire fence bears E. and W.
6.40	Ditch, 2 lks. wide, 3 ins. deep, course S.
15.00	To Cor. 1, the place of beginning.

May 9, 1915.

AREA

Area of H. E. Survey No. 93: 109.93 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A frame house, 26 x 28 ft., course of long sides N. and S., the SE. cor. of which bears from Cor. 4, N. 57° 25' W., 4.80 chs. dist. Value $300.00

A frame cabin, 16 x 20 ft., course of long sides E. and W., the SE. cor. of which bears from Cor. 4, N. 78° 56' W., 2.30 chs. dist.

HOMESTEAD ENTRY SURVEY NO. 93

DIXIE NATIONAL FOREST

STATE OF UTAH

11.

Chains

	Value	$ 75.00
About 800 rods of wire fence.	Value	$400.00
About 1 mile of ditch.	Value	$ 25.00
Total value of improvements.		$800.00

DESCRIPTION

This claim lies just north of the small village of Central, Utah. It adjoins H. E. S. No. 79 (unapproved). The county wagon road from St. George to Modena crosses the tract. The approximate elevation is 5,300 feet. The soil is a volcanic ash, and parts of the land are strewn with volcanic rocks and cinders. Juniper and pinon timber cover most of the land, except where it has been cleared and cultivated. This timber is of very low value. No mineral or indications of mineral are reported in the vicinity. There are about 24 acres of land under cultivation. The remainder of this entry lies in Section 3, Township 39 South, Range 16 West, and is described as follows:

SE¼ SW¼;
SE¼ NE¼ SW¼.

The total area of this entry is then seen to be 159.93 acres.

May 9, 1915.

Angus M. Woodbury
Surveyor,
Forest Service.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 93

Dixie NATIONAL FOREST

STATE OF Utah.

12.

Chains	
	It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

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.

BOOK A-430

5—249

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 93, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	South	54.96			57 54	97 96					70	00			3847	90	
2 - 3	N. 89° 35' W.	10.00		07					10	00	60	00	4	20			
3 - 4	South	14.99			14	99					50	00			749	50	
4 - 5	N. 89. 35' W.	5.00		04					5	00	45	00	1	80			
5 - 6	North	15.00	14 15	77 00							40	00	599	60			
6 - 7	N. 89° 35' W.	20.00		14 15					20	00	20	00	2	80			
7 - 8	North	10.00	10	00													
8 - 9	S. 89° 35' E.	20.00				16 15	20	00			20	00			3	20	
9 - 10	North	45.00	44 45	99 00							40	00	1799	60			
10 - 1	S. 89° 35' E.	15.00				11	15	00			55	00			6	05	
	Totals:	209.95	70	26	70	21	35	00	35	00			2408	00	4606	65	
			70	21											2408	00	
	Errors:			05											20) 2198	65	
			70	23	70	23	35	00	35	00				Area	109	93	Acres

Error of Closure = $\frac{1}{4199}$

427

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, September 28, 1916

The foregoing field notes of Homestead Entry Survey No. 93 situated in Dixie National Forest in Sec. 3 partly surveyed Tp. 39 S., R. 16 W., of the Salt Lake Base and Meridian, Utah; Raymond Burgess, claimant.

executed by Angus M. Woodbury, Surveyor. [Forest Service Title.] under his special instructions, dated March 11, 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 , has been correctly copied from the original notes on file in this office.

8—2249

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430 FOREST SERVICE

APR 24 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 98

SITUATED IN THE WASATCH NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 19, surveyed, Township 3 S, Range 6 W.
In Section 24, unsurveyed, Township 3 S., Range 7 W.

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing E. Freeman Nickerson

Residence Grantsville, Utah

Application No. 5, dated January 20, 19 11

List No. 4-725, dated April 27, 19 11

Applicant for survey E. Freeman Nickerson

Residence Grantsville, Utah

H. E. No. 010520, dated September 16, 1912

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner
[Forest Service Title.]

Under special instructions dated March 15, 1915

Survey commenced August 3, 1916

Survey completed August 4, 1916

Under Acts of June 11, 1906 and August 11, 1916

 Michigan 98

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 98, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

John H. Woolstenhulme (Chainman)
Harold Lubeck (Chainman)

Subscribed and sworn to before me this 4th day of August, 1916.

R. D. Garver
Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated March 15, 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, No. 4-725, dated April 27, 1911, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 98, situated within the Wasatch National Forest, in surveyed Section 19, Township 3 S., Range 6 W., and unsurveyed Section 24, Township 3 S., Range 7 W.,

of the Salt Lake Base and meridian, Utah, 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. D. Garver
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 16th day of April, 1917.

Geo. W. Gosher
Notary Public

SEAL.

8—2349

Commission expires Oct. 19, 1920

Chains

E. Freeman Nickerson, applicant for listing, Application No. 5, dated January 20, 1911.

E. Freeman Nickerson, entryman, H. E. 010520, Salt Lake, dated September 16, 1912.

Special Instructions dated March 15, 1915, for H. E. Survey No. 98.

Claim situated in surveyed Section 19, Township 3 South, Range 6 West, and unsurveyed Section 24, Township 3 South, Range 7 West, of the Salt Lake Base and Meridian, Utah, in the Wasatch National Forest.

Authority contained in the Acts of June 11, 1906 and August 11, 1916.

Survey commenced on August 3, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

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

August 3, 1916: At Cor. No. 6 of this survey, I observe the altitude of the sun for Azimuth.

Latitude = 40° 32' 30" N. : By account from the ¼ cor.
Longitude = 113° 04' 15" W. : on the west side of Sec. 19, T. 3 S., R. 6 W.

Observation 1

At 8 h. 34 m., A. M., apparent time.

Altitude = 38° 33'

Horizontal angle(reference to right to sun) = 7° 30' 30"

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 98

WASATCH NATIONAL FOREST

STATE OF UTAH

2.

Chains	
	Observation 2
	At 8 h. 40 m., A. M., apparent time.
	Altitude = 39° 23' 30"
	Horizontal angle (reference to right to sun) = 8°21'45"
	From these observations I calculate the bearing of a fence post ½ mile distant from my station as, (1) S. 87° 24' 02" E. and (2) S. 87° 23' 36" E.
	The mean of these is S. 87° 23' 49" E., and to the corresponding meridian all courses of this survey are referred.
	Mean Magnetic Declination = 17°, 30' E.
	RETRACEMENT
	Beginning at the ¼ cor. between Secs. 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), which is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General, the cor. of Secs. 13, 18, 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), being in sight, I run
	Thence
	North
-	On a true line between Secs. 19 and 24.
3.00	Set temporary stake for Cor. No. 1 of this survey.
22.96	Set temporary stake for Cor. No. 4 of this survey.
39.95	Strike the cor. of Secs. 13, 18, 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), which is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General.

HOMESTEAD ENTRY SURVEY NO. 98

WASATCH NATIONAL FOREST

STATE OF UTAH

Chains	
	BEGINNING AT COR. NO. 1, previously mkd. by a temporary stake, in place of which I set a granite stone, 24 x 8 x 6 ins., 14 ins. in the ground, over a granite stone, 6 x 5 x 3 ins., mkd. with a cross (x), on line between Secs. 19 and 24, T. 3 S., Rgs. 6 and 7 W., mkd. CC on the W. face, 1-HES-98 on the N. face, and a cross (x) on top, for closing corner and Cor. No. 1 of this survey. No bearings; pits impracticable. Raise a mound of stone, 4 ft. base, 2 ft. high, S. 89° 58' E., 3½ ft. dist. on the closing line.
	The ¼ cor. between Secs. 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), heretofore described, bears S., 3.00 chs. dist.
	The cor. of Secs. 13, 18, 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), heretofore described, bears N., 36.95 chs. dist.
	Thence N. 89° 58' W.
	Descend over sagebrush land.
44.36	To Cor. No. 2, about 30 ft. below Cor. No. 1, identical with Cor. No. 3 of the listing survey, which is a limestone, firmly set, mkd. as described by the Surveyor General, in place of which I set a limestone, 24 x 12 x 8 ins., 14 ins. in the ground, over a limestone, 6 x 5 x 3 ins., mkd. with a cross (x), for Cor. No. 2 of this survey, mkd. 2-HES-98 on the side facing the claim, and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft.

Chains	
	dist., within the claim.
	August 3, 1916.
	Thence
	N. 0° 02' W.
	Descend over sagebrush land.
6.78	Davenport Creek, about 15 ft. below Cor. No. 2, 3 lks. wide, 4 ins. deep, flows E.
	Ascend.
10.28	Road bears E. and W.
20.00	To Cor. No. 3, about 50 ft. above Davenport Creek, identical with Cor. No. 4 of the listing survey, which is a limestone, firmly set, mkd. as described by the Surveyor General, in place of which I set a limestone, 32 x 12 x 6 ins., 22 ins. in the ground, over a limestone, 6 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 3 of this survey; mkd. 3-HES-98 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	An outcropping limestone ledge showing 10 x 2 x 2 ft. above ground, bears N. 55° 33' E., 61 lks. dist.
	An outcropping limestone ledge showing 5 x 2 x 2 ft. above ground, bears S. 51° 30' E., 87 lks. dist.
	Both ledges mkd. X-3-HES-98-BR.
	Thence
	S. 89° 58' E.
	Ascend over sagebrush land.
2.00	Summit of ridge bears N. and S.; about 30 ft. above Cor. No. 3.
	Descend.

Chains	
21.86	Gulch bears S., about 100 ft. below point of descent.
	Ascend.
28.46	Summit of ridge bears N. and S., about 80 ft. above point of ascent.
	Descend.
40.00	Gulch, about 75 ft. below point of descent bears SE.
	Ascend.
40.55	SW. cor. of a perpendicular limestone dike, 60 ft. high, 50 ft. wide.
42.80	Road bears N. and S.
44.31	To Cor. No. 4, about 30 ft. above point of ascent, previously mkd. by a temporary stake, in place of which I set a granite stone, 24 x 14 x 10 ins., 6 ins. in the ground to bedrock, over a granite stone, 4 x 3 x 2 ins., mkd. with a cross (x) on line between Secs. 19 and 24, T. 3 S., Rgs. 6 and 7 W., mkd. CC on the W. face, 4-HES-98 on the S. face, and a cross (x) on top, for closing corner and Cor. No. 4 of this survey. No suitable bearings, therefore, dig pits, 30 x 24 x 12 ins., crosswise on the township line, N. and S., 4 ft. dist., and dig a pit, 30 x 24 x 12 ins., crosswise on the closing line, N. 89° 58' W., 8 ft. dist.; and raise a mound of earth and stone, 5 ft. base, 2½ ft. high, on the closing line, N. 89° 58' W., 4 ft. dist.
	The cor. of Secs. 13, 18, 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), heretofore described, bears N., 16.99 chs. dist.
	The ¼ cor. between Secs. 19 and 24, T. 3 S., Rgs. 6 and 7 W. (survey accepted), heretofore described, bears S., 22.96 chs. dist.

Thence
S. 89° 58' E.

HOMESTEAD ENTRY SURVEY NO. 98

WASATCH NATIONAL FOREST

STATE OF UTAH

Chains	
	Ascend over sagebrush land.
4.61	Summit of ridge bears N. and S., about 25 ft. above Cor. No. 4.
	Descend.
35.40	To Cor. No. 5, about 50 ft. below point of descent, identical with Cor. No. 1 of the listing survey and the established Forest Service Monument, which is a limestone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a granite stone, 24 x 12 x 8 ins., 14 ins. in the ground, over a granite stone, 8 x 6 x 3 ins., mkd. with a cross (x), for Cor. No. 5 of this survey, mkd. 5-HES-98 on the side facing the claim, and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	I destroy the witness for the listing corner.
	Thence
	S. 0° 39' W.
	Descend over sagebrush land.
8.00	Road bears E. and W.
13.20	Road bears NE. and SW.
14.68	Davenport Creek, 2 lks. wide, 8 ins. deep, flows E.; about 40 ft. below Cor. No. 5.
	Ascend.
19.99	To Cor. No. 6, about 25 ft. above Davenport Creek, identical with Cor. No. 2 of the listing survey, which is a limestone, firmly set, and mkd. as described by the Surveyor General. I deface the markings for the listing survey upon this stone and set 22 ins. in the ground over a granite stone,

Chains

6 x 5 x 4 ins., mkd. with a cross (x), for Cor. No. 6 of this survey, mkd. 6-HES-98 on the side facing the claim, and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

Thence

N. 89° 58' W.

Ascend over sagebrush land.

0.10 Road bears NW. and SE.

1.70 Road bears NW. and SE.

11.00 Irrigation ditch, 2 lks. wide, 16 ins. deep, flows SE.

35.15 To Cor. No. 1, the place of beginning, about 70 ft. above Cor. No. 6.

August 4, 1916.

AREA

Area in Sec.19, T.3 S., R.6 W.:	70.44 acres
Area in Sec.24, T. 3 S., R. 7 W.:	88.58 acres
Total area of H. E. Survey No. 98:	159.02 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A tent house, 14 x 16 ft., course of long sides E. and W., the SE. cor. of which bears from Cor. No. 1, N. 71° 30' W., 22.50 chs. dist.

Value $ 25.00

Total value of improvements: $ 25.00

DESCRIPTION

This claim is located in Davenport Canyon, on the east

Chains

side of Stansberry Ridge, about 8 miles southwest of Grantsville, the nearest postoffice, and about 14 miles southwest of Grants Station, Utah, the nearest railroad point. The tract is made up of bottom and sloping side-hill land along Davenport Creek. The soil in the bottoms is a fairly deep black loam, while that on the ridges and side hills is very rocky and shallow in character. No timber upon the tract. No presence or indications of mineral. About 2½ acres under cultivation. There are no adjoining claims.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

August 4, 1916.

R. Garver

Forest Examiner.

Chains

COMPUTATION SHEET - DIRECT SOLARS

Observation for Azimuth, Cor. No. 6 to reference.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - \text{Tan. Lat. x Tan. V}$$

Latitude = 40° 32' 30" N.

Longitude = 113° 04' 15" W.

Observation 1

August 3, 1916.

At 8 h. 34 m., A. M., apparent time.

Observed vertical angle = 38° 33'

Refraction in Zenith dist. = 01' 13"

True vertical angle (V) = 38° 31' 47"

Declination = 17° 29' 30" N.

Cos. Azm. = + 0.50559 - 0.68109 = - 0.17550

Azm. Sun = S. 79° 53' 32" E.

Horizontal angle (reference to right to sun)= 7° 30' 30"

Bearing of line Cor. No. 6 to reference = S.87° 24' 02" E.

Observation 2

August 3, 1916.

At 8 h. 40 m., A. M., apparent time.

Observed vertical angle = 39° 23' 30"

Refraction in Zenith dist. = 01' 11"

True vertical angle (V) = 39° 22' 19"

Declination = 17° 29' 26" N.

Cos. Azm. = + 0.51160 - 0.70188 = - 0.19028

Azm. Sun = S. 79° 01' 51" E.

Horizontal angle(reference to right to sun) = 8° 21' 45"

Bearing of line Cor.No.6 to reference = S. 87° 23' 36" E.

Mean = S. 87° 23' 49" E.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains	

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 98, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	Area in Sec. 19, T. 3 S., R. 6 W.								
4CC - 5	S. 89° 58' E.	35.40		01 / 02	35 39 / 35 40		35 39		35
5 - 6	S. 0° 39' W.	19.99		19 98 / 19 99		23	70 55		1409 59
6 - 1CC	N. 89° 58' W.	35.15	03 / 02			35 16 / 35 15	35 16	1 05	
1CC - 4CC	North	19.96	19 96						
		110.50	19 98	20 01	35 40	35 38		1 05	1409 94
				19 98	35 38				1 05
	Errors:			03	02				20)1408 89
			19 99	19 99	35 39	35 39			Area: 70 44 Acres
	Error of Closure: 1/3065								
	Area in Sec. 24, T. 3 S., R. 7 W.								
1CC - 2	N. 89° 58' W.	44.36	02 / 03			44 34 / 44 36	44 34	89	
2 - 3	N. 0° 02' W.	20.00	19 99 / 20 00			00 / 01			
3 - 4CC	S. 89° 58' E.	44.31		04 / 03	44 33 / 44 31		44 33		1 77
4CC - 1CC	South	19.96		19 99 / 19 96	01		88 67		1770 74
		128.63	20 03	19 99	44 31	44 37		89	1772 51
			19 99			44 31			89
	Errors:		04			06			20)1771 62
			20 01	20 01	44 34	44 34			Area: 88 58 Acres
									70 44 "
	Error of Closure: 1/1784								Total Area: 159 02 "

Blank

Page

Form 85
Sheet No. 4

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917.

The foregoing field notes of Homestead Entry Survey No. 98, situated in the Wasatch National Forest, in Sec. 19, surveyed, Township No. 3 South, Range No. 6 West; and in Sec. 24, unsurveyed, Township No. 3 South, Range No. 7 West, of the Salt Lake Base and Meridian, Utah; E. Freeman Nickerson, claimant;

executed by R. D. Garver, Forest Examiner [Forest Service Title.] under his special instructions, dated March 15, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sect No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF V.I.F.

HOMESTEAD ENTRY SURVEY NO. 103

SITUATED IN THE WASATCH NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 19, unsurveyed, and 30 Township 2 S., Range 7 E.

of the

Salt Lake Base and Meridian.

State of

Utah.

Applicant for listing Lindsay Whetherhult

Residence Kamas, Utah.

Application No. 13, dated October 31, 1908

List No. 4-31 dated December 29, 1908
4-31 Supplemental, dated January 8, 1909

Applicant for survey Heber Ure

Residence Kamas, Utah

H. E. No. 010514, dated September 14, 1912

Land ~~District~~ Office Salt Lake

Survey executed by Oliver C. Lockhart, Ass't. Forest Ranger.
[Forest Service Title.]

Under special instructions dated September 3, 1915

Survey commenced September 12, 1915

Survey completed October 17, 1915

Under Acts of June 11, 1906; March 4, 1915.

8—2340

OATH OF ASSISTANTS

We hereby certify that we assisted Oliver C. Lockhart, Assistant Forest Ranger, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 103, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Morgan Parke (chain
S. W. Gardner (chain

Subscribed and sworn to before me this 17th day of October, 1915.

Oliver C. Lockhart
Asst. Forest Ranger

OATH OF SURVEYOR

I, Oliver C. Lockhart, Assistant Forest Ranger, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated September 3, 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 No. 4-31, dated Dec. 29, 1908, for
List supplemental, No. 4-31, under the Act of June 11, 1906,
patent
the same to be known as Homestead Entry Survey No. 103,
situated within the Wasatch National Forest, in
unsurveyed Sections 19 & 30, Township 2 S., Range 7 E., and
surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

Oliver C. Lockhart
Asst. Forest Ranger
[Forest Service Title.]

Subscribed and sworn to before me this 21st day of February, 1916.

SEAL

Geo. N. Goshen
Notary Public

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

STATE OF UTAH.

Chains

Lindsay Whetherhult, applicant for listing, Application No. 16, dated October 31, 1908.

Special Instructions dated September 3, 1915, for H. E. Survey No. 103.

Claim situated in unsurveyed Sections 19 and 30, Township 2 South, Range 7 East, of the Salt Lake Base and Meridian, Utah, in the Wasatch National Forest.

Authority contained in Acts of June 11, 1906 and March 4, 1915.

Survey commenced September 12, 1915, and executed with W. and L. E. Gurley Light Mountain Transit No. 12974, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, distances being recorded and corrected to the horizontal by use of a clinometer.

I examine the adjustments of the transit, finding all adjustments correct.

September 12, 1915; at Cor. 1 of this survey, at 6 h. 37 m., P. M., l. m. t., I foresight on a reference stake, firmly set and centered with a tack, 5 chs. distance from my station, and turn 35° 17' to the right to Polaris in position.

Latitude = 40° 37' N.) From Diagram forming part of
Longitude = 111° 13' W.) my Special Instructions.

U. C. Polaris, September 13, 1915, -- 2 h. 6.3 m., A. M.
Longitude correction - - - - - - - - - - 1.2 m.
L. m. t., U. C. Polaris - - - - - - - - 2 h. 5.1 m., A. M.

L. m. t. Obsn., September 12, 1915 - - 6 h. 37 m., P. M.
Subtract from - - - - - - - - - - - - - 12 h. 00 m.
Time to midnight - - - - - - - - - - - 5 h. 23 m.

BOOK A-450

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

2. STATE OF UTAH.

Chains

Add - - - - - - - - - - - - - - - - - - 2 h. 5.1 m.

Argument - - - - - - - - - - - - - - - 7 h. 28.1 m.

Azimuth of Polaris = N. 1° 23' E.

Bearing of reference stake = N. 33° 54' W.

September 12, 1915; using same station and reference as above, at 6 h. 46 m., P. M., I turn 35° 20' to the right to Polaris in position.

Latitude and Longitude previously stated.

U. C. Polaris, September 13, 1915 - - - 2 h. 6.3 m., A.M.

Longitude correction - - - - - - - - - - 1.2 m.

L. m. t., U. C. Polaris - - - - - - - - 2 h. 5.1 m., A.M.

L. m. t. Obsn., September 12, 1915 - - 6 h. 46 m., P.M.

Subtract from - - - - - - - - - - - - - 12 h. 00 m.

Time to midnight - - - - - - - - - - - 5 h. 14 m.

Add - - - - - - - - - - - - - - - - - - 2 h. 5.1 m.

Argument - - - - - - - - - - - - - - - 7 h. 19.1 m.

Azimuth of Polaris = N. 1° 24' 30" E.

Bearing of reference stake = N. 33° 55' 30" W.

The mean of these is N. 33° 54' 45" W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 17° 30' E.

September 12, 1915.

RETRACEMENT.

Beginning at the cor. of Secs. 19, 24, 25 and 30, T. 2 S., Rgs. 6 and 7 E., (survey accepted), which is a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen., I run

Chains	
	Thence South
	On a random line between Secs. 25 and 30, T. 2 S., Rgs. 6 and 7 E.
40.84	Fall 36 lks. E. of the ¼ cor. on the E. side of Sec. 25, T. 2 S., R. 6 E. (survey accepted), which is a limestone, firmly set, mkd. and witnessed as described by the Sur. Gen.
	From the above ¼ cor. just described, I run
	October 16, 1915.
	Thence N. 0° 30' E.,
	On a true line between Secs. 25 and 30.
30.63	Set temporary stake for Cor. 9 of this survey.
40.84	Strike cor. of Secs. 19, 24, 25 and 30, heretofore described.

	BEGINNING AT COR. 1 of this survey, identical with the cor. of Secs. 19, 24, 25 and 30, T. 2 S., Rgs. 6 and 7 E. (survey accepted), heretofore described. I mark the stone with a cross (x) on top for Cor. 1 of this survey, and alongside to the E. drive a stake, mkd. 1-HES-103 on side facing the claim; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	October 17, 1915.
	Thence N. 14° 02' E.,
	Over level meadow land.
4.85	Fence bears NE. and SW.

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

STATE OF UTAH.

Chains	
	Leave meadow land, enter sagebrush, bears NE. and SW.
5.44	Road bears NE. and SW.
	Pass from List 4-31 to unlisted land.
	Ascend.
6.23	Pass from unlisted land to List 4-31.
20.61	To Cor. 2, about 50 ft. above point of ascent, for which I set a limestone, 24 x 18 x 12 ins., 14 ins. in the ground, over a limestone, 6 x 5 x 4 ins., mkd. with a cross (x), for Cor. 2 of this survey; mkd. 2-HES-103 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence East
	Descend, through sagebrush.
13.60	Road bears N. and S.
15.00	To Cor. 3, about 25 ft. below Cor. 2, for which I set a blue limestone, 24 x 18 x 6 ins., 14 ins. in the ground, over a limestone, 9 x 4 x 4 ins., mkd. with a cross (x), for Cor. 3 of this survey; mkd. 3-HES-103 on side facing claim and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	An aspen, 6 ins. dia., bears S. 47° 28' W., 22 lks.dist.
	An aspen, 6 ins. dia., bears S. 12° 59' E.,22 lks.dist.
	Both trees blazed and scribed X-3-HES-103-BT.
	Thence South
	Over level land, through aspen.

Chains	
0.46	Road bears E. and W.
	Pass from List 4-31 to unlisted land.
	Leave aspen, enter willows.
0.96	Pass from unlisted land to List 4-31.
6.00	Beaver Creek, 20 lks. wide and 24 ins. deep, flows W.
	Leave willows, enter sagebrush, bears E. and W.
	Ascend.
10.00	To Cor. 4, about 95 ft. above Beaver Creek, for which I set a blue limestone; 24 x 15 x 9 ins., 14 ins. in the ground, over a limestone, 6 x 6 x 4 ins., mkd. with a cross (x), for Cor. 4 of this survey; mkd. 4-HES-103 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of stone; 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence West
	Descend, through sagebrush.
5.00	To Cor. 5, about 95 ft. below Cor. 4, for which I set a blue limestone, 24 x 18 x 6 ins., 14 ins. in the ground, over a limestone, 8 x 6 x 2 ins., mkd. with a cross (x), for Cor. 5 of this survey; mkd. 5-HES-103 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence South
	Ascend, through sagebrush and aspen.

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

STATE OF UTAH.

Chains	
10.00	To Cor. 6, about 120 ft. above Cor. 5, for which I set a blue limestone, 24 x 18 x 6 ins., 14 ins. in the ground, over a limestone, 6 x 4 x 3 ins., mkd. with a cross (x), for Cor. 6 of this survey; mkd. 6-HES-103 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence West
	Descend through sagebrush.
4.00	Leave sagebrush, enter aspen, bears N. and S.
5.00	To Cor. 7, about 130 ft. below Cor. 6, for which I set a blue limestone, 24 x 18 x 12 ins., 14 ins. in the ground, over a limestone, 8 x 6 x 3 ins., mkd. with a cross (x), for Cor. 7 of this survey; mkd. 7-HES-103 on side facing the claim and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	An aspen, 4 ins. dia., bears S. 35° 00' E., 16 lks.dist.
	An aspen, 4 ins. dia., bears S. 57° 33' W., 9 lks.dist.
	Both trees blazed and scribed X-7-HES-103-BT.
	Thence South
	Ascend, through sagebrush and small aspen.
10.07	To Cor. 8, about 200 ft. above Cor. 7, for which I set a blue limestone, 30 x 18 x 6 ins., 20 ins. in the ground, over a limestone, 8 x 6 x 4 ins., mkd. with a cross (x), for Cor. 8 of this survey; mkd. 8-HES-103 on side facing the claim and a cross (x)

Chains

on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

Thence

S. 89° 12' W.,

Descend through sagebrush.

10.12 To Cor. 9, previously mkd. by temporary stake, about 220 ft. below Cor. 8, in place of which I set a blue limestone, 24 x 24 x 6 ins., 14 ins. in the ground, over a limestone, 6 x 6 x 4 ins., mkd. with a cross (x) on line between Secs. 25 and 30, T. 2 S., Rgs. 6 and 7 E.; mkd. CC on E. face, 9-HES-103 on NE. face, and a cross (x) on top, for closing corner and Cor. 9 of this survey. Dig pits, 30 x 24 x 12 ins., crosswise on township line, N. 0° 30' E., S. 0° 30' W., 4 ft. dist.; dig pits, 30 x 24 x 12 ins., crosswise on closing line, N. 89° 12' E., 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, on the closing line N. 89° 12' E., 3½ ft. dist.

The ¼ cor. on the E. side of Sec. 25, T. 2 S., R. 6 E. (survey accepted), heretofore described, bears S. 0° 30' W., 30.63 chs. dist.

October 15, 1915.

Thence

N. 0° 30' E.,

Along township line, through willows, across level land.

3.40 Beaver Creek, 20 lks. wide, 6 ins. deep, flows SW.

4.00 Wire fence, bears NE. and SW.

5.42 Leave willows, enter cultivated land, bears E. and W.

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

8. STATE OF UTAH.

Chains	
10.21	To Cor. 1, the place of beginning.

AREA.

Area of H. E. Survey No. 103: 40.23 acres.

October 17, 1915.

IMPROVEMENTS.

The improvements on this claim, the property of the claimant herein, consist of the following:

From a point which bears N. 38° 32' E., 24.88 chs. dist. from Cor. 1 of this survey, I locate the following improvements:

A frame house, 12 x 14 ft., course of long sides NE. and SW., the NE. cor. of which bears S. 2° 04' E., 0.77 chs. dist. Value $125.00

A lumber shed, 10 x 60 ft., course of long sides NE. and SW., the NE. cor. of which bears S. 32° 30' W., 1.29 chs. dist. Value $ 50.00

A shed, 8 x 10 ft., course of long sides N. and S., the NW. cor. of which bears S. 42° 50' W., 2.35 chs. dist. Value $ 15.00

There is approximately 1 mile of barbed wire fencing. Value $120.00

Total value of improvements: $310.00

DESCRIPTION.

This claim is located approximately 8 miles up the main Beaver Creek from the town of Kamas, Utah,

HOMESTEAD ENTRY SURVEY NO. 103

WASATCH NATIONAL FOREST

STATE OF UTAH.

Chains

which may be reached by a good wagon road. There are about 22 acres situated in the creek bottom and 18 acres on the adjoining hills. Soil a sandy loam. The timber is of no commercial value, and consists of about 7 acres on the south side of the creek. The cultivation consists of 6 acres of grain and a small garden. Other ranches are located about 2 miles above and below on this stream.

It will be noted that a certain portion of the original area listed was excluded from this survey. This change was made at the direct request of the claimant.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

October 17, 1915.

Oliver C. Lockhart Jr.
Assistant Forest Ranger.

BOOK A-450

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

9—249

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 103, STATE OF Utah

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
9 - 1	N. 0° 30' E.	10.21	10 20		10 09		10	1 02	
1 - 2	N.14° 02' E.	20.61	10 00 19 99		5 01 5 00		5 21	104 20	
2 - 3	East	15.00	01		15 01 15 00		25 23	25	
3 - 4	South	10.00		10 00			40 24		402 40
4 - 5	West	5.00				5 00	35 24		
5 - 6	South	10.00		10 00			30 24		302 40
6 - 7	West	5.00				5 00	25 24		
7 - 8	South	10.07		10 07			20 24		203 82
8 - 9	S.89° 12' W.	10.12		14		10 12	10 12		1 42
		96.01	30 19	30 21	20 09	20 12		105 47	910 04
				30 19		20 09			105 47
				02		03			20)804 57
			30 21	30 21	20 12	20 12		Area	40 23 Acres

Error of closure - $\frac{1}{2663}$

459

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

August 7, 1916

The foregoing field notes of Homestead Entry Survey No. 103, situated in the Wasatch National Forest, Administrative District No. 4, in unsurveyed secs. 19 and 30, T. 2 S. R. 7 E. of the Salt Lake Base and Meridian, Utah, Heber Ure, Claimant,

executed by Oliver C. Lockhart, Asst. Forest Ranger [Forest Service Title.] under his special instructions, dated September 3, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Set No. 1
(July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF V.I.F.

HOMESTEAD ENTRY SURVEY NO. 104

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 24, unsurveyed, Township 2 N, Range 21 E.,
and 25

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Mrs. Elizabeth E. Swett

Residence Vernal, Utah

Application No. 91 , dated September 8 , 1914

List No. 4-1581 , dated December 1 , 1914

Applicant for survey Mrs. Elizabeth E. Swett

Residence Vernal, Utah

H. E. No. 05661 , dated November 3 , 1915

Land ~~District~~ Office Vernal.

Survey executed by W. B. Rice, Forest Examiner
[Forest Service Title.]

Under special instructions dated June 30 , 1916

Survey commenced October 22, , 1916

Survey completed October 24 , 1916

Under Acts of June 11, 1906; August 11, 1916.

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 104, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Fred Carter (Chainman)

Subscribed and sworn to before me this 24th day of October, 1916.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated June 30, 1916, 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

, No. 4-1581, dated Dec. 1, 1914, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 104, situated within the Ashley National Forest, in unsurveyed Sections 24-25, Township 2 N., Range 21 E., and surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 17th day of November, 1916.

Geo. W. Goshen
Notary Public

SEAL.

8—2349

Chains

Mrs. Elizabeth E. Swett, applicant for listing, Application No. 91, dated September 8, 1914.

Mrs. Elizabeth E. Swett, entryman, H. E. No. 05661, dated November 3, 1915, Vernal Land Office.

Special Instructions dated June 30, 1916, for H. E. Survey No. 104.

Claim situated in Sections 24 and 25, unsurveyed, of partly surveyed Township 2 North, Range 21 East (survey accepted), of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced on October 22, 1916, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape directly on the slope and corrected to the horizontal by means of clinometer angles.

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

October 22, 1916, at 8 h. 36 m., A. M., apparent time, at Cor. No. 1 of this survey, I observe the altitude of the sun for azimuth.

Latitude = 40° 53' 15" N. (By account from the SE. cor. of T. 3 N., R. 21 E.

Longitude = 109° 29' 45" W. (

Observed altitude = 19° 34'

Horizontal angle (from the sun to the right) = 158° 05'

From this observation I calculate the bearing of a reference object 1 mile dist. from my station as N. 76° 40' 42" W.

BOOK A-450

HOMESTEAD ENTRY SURVEY NO. 104

ASHLEY NATIONAL FOREST

2. STATE OF UTAH

Chains	
	October 24, 1916, at Cor. No. 1 of this survey, at 5 h. 15 m., P. M., l. m. t., I foresight on the reference object used in the previous observation and begin to observe the eastern progress of Polaris. When the Star begins to recede I read a maximum ang of 78° 11' 30" to the right.
	Azimuth of Polaris = N. 1° 30' 20" E.
	From this observation I calculate the bearing of a reference object as N. 76° 41' 10" W.
	The mean of these two observations is N. 76° 40' 56" W., and to the corresponding meridian all courses of this survey are referred.
	Mean Magnetic Declination = 17° 00' E.
	RETRACEMENT
	Beginning at Cor. No. 3 of H. E. S. No. 61 (survey approved), identical with Cor. No. 8 of H. E. S. No. 62 (survey approved) and with Cor. No. 5 of the Green River Administrative Site (unsurveyed), which is a sandstone, firmly set, showing 14 x 12 x 10 ins. above ground, mkd. 3-HES-61 on the NW. face, R-5 on NE. face, 8-HES-62 on the SW. face, and a cross (x) on top, and witnessed by a mound of stone; Cor. No. 2 of H. E. S. No. 61 (approved) being visible, I run
	Thence
	N. 18° 06' W.,
	On a true line between Cors. Nos. 3-2 of H. E. S. No. 61 (approved).
35.62	Set temporary stake for Cor. No. 3 of this survey.
53.68	Set temporary stake for Cor. No. 1 of this survey.

Chains	
60.01	To Cor. No. 2 of H. E. S. No. 61 (approved), which is a sandstone, firmly set, showing 14 x 10 x 5 ins., above ground, mkd. 2-HES-61 on the SW. face and witnessed by one yellow pine bearing tree and by a mound of stone.
	The total distance thus obtained is seen to vary by 6 links from that given in the field notes of H. E. Survey No. 61.

	BEGINNING AT COR. NO. 1 of this survey, in place of the temporary stake, heretofore described, I set a sandstone, 26 x 8 x 6 ins., 16 ins. in the ground, over a sandstone, 6 x 6 x 3 ins., mkd. with a cross (x) for Cor. No. 1 of this survey; mkd. 1-HES-104 on side facing the claim and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on line S. 60° 18' E. and S. 18° 06' E., 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	U. S. Locating Monument No. 258 (approved), which is a sandstone rock in place, showing 5 x 4 x 1 ft. above ground, mkd. X-USLM-258 and witnessed by a mound of stone and two bearing rocks, bears N. 75° 05' W., 41.18 chs. dist., by traverse, computations of which are hereto attached.
	Cor. No. 2 of H. E. S. No. 61 (survey approved), heretofore described, bears N. 18° 06' W., 6.33 chs. dist.
	Cor. No. 3 of H. E. S. No. 61 (survey approved), heretofore described, bears S. 18° 06' E., 53.68 chs. dist.
	Cor. No. 1 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 18° 06' W., 2.33 chs.

Chains	
	dist. I destroy it and its witness. The position of this corner was changed to reduce excess area.
	Thence
	S. 60° 18' E.,
	Over rolling sagebrush land.
13.93	To Cor. No. 2, identical with Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 15 x 12 ins 14 ins. in the ground, over a sandstone, 6 x 6 x 3 ins., mkd. with a cross (x) for Cor. No. 2 of this survey; mkd. 2-HES-104 on side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine tree, 15 ins. in dia., blazed and scribed X-2-HES-104-BT bears S. 66° 42' E., 167 lks. dist.
	A yellow pine tree, 24 ins. in dia., blazed and scribed X-2-HES-104-BT, bears S. 16° 59' W., 90 lks. dist.
	I destroy the witnesses to the listing corner.
	Thence
	S. 32° 20' W.,
	Over rolling sagebrush land.
12.15	To Cor. No. 3, previously mkd. by a temporary stake, heretofore described, in place of which I set a sandstone, 24 x 10 x 3 ins., 14 ins. in the ground, over a sandstone, 3 x 3 x 2 ins., mkd. with a cross (x) for Cor. No. 3 of this survey; mkd. 3-HES-104 on side facing the claim and a cross (x) on the top; and raise a mound of stone 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

Chains	
	A yellow pine tree, 18 ins. in dia., blazed and scribed X-3-HES-104-BT, bears S. 58° 31' E., 190 lks. dist.
	An aspen tree, 7 ins. in dia., blazed and scribed X-3-HES-104-BT, bears N. 86° 58' E., 220 lks. dist.
	Cor. No. 3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears E. 2 lks. dist. I destroy it and its witnesses. The position of this corner was changed in order to place it on line 2-3 of H. E. S. No. 61 (approved).
	Cor. No. 2 of H. E. S. No. 61 (survey approved), heretofore described, bears N. 18° 06' W., 24.39 chs. dist.
	Cor. No. 3 of H. E. S. No. 61 (survey approved), heretofore described, bears S. 18° 06' E., 35.62 chs. dist.
	Thence
	N. 18° 06' W.,
	Along line 3-2 of H. E. S. No. 61 (approved).
	Over rolling sagebrush land.
1.10	Leave sagebrush, enter cultivation, bears NE. and SW.
9.20	Leave cultivation, enter sagebrush, bears E. and W.
18.06	To Cor. No. 1, the place of beginning.

October 22, 1916.

AREA

Area of H. E. Survey No. 104 = 8.46 acres.

IMPROVEMENTS

All of the claimant's improvements are located on the adjoining H. E. Survey No. 61 (approved), and described in the returns of that survey.

HOMESTEAD ENTRY SURVEY NO. 104

ASHLEY NATIONAL FOREST

STATE OF UTAH

Chains

DESCRIPTION

This claim was entered as an addition to H. E. Survey No. 61, containing 151.54 acres. The claim is located on a rolling sagebrush upland. About two-thirds of the area is capable of cultivation. A few scattering yellow pine trees are found within the boundaries of the claim. There is no timber of commercial importance. No mineral or indications of mineral found on the claim. The soil is residual from the disintegration of sandstone. Vernal, Utah, the most accessible settlement, lies about 30 miles to the south.

This claim is adjoined by H. E. Survey No. 61 (approved) on the west.

It being impracticable to take my assistant before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistant.

Survey completed October 24, 1916.

W. B. Rice,

Forest Examiner.

HOMESTEAD ENTRY SURVEY NO. 104

ASHLEY NATIONAL FOREST

STATE OF UTAH

Chains

COMPUTATION SHEET

Direct solar observation for Azimuth.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

October 22, 1916.

At 8 h. 36 m., A. M., apparent time.

At Cor. No. 1 of this survey.

Latitude = 40° 53' 15" N.

Longitude = 109° 29' 45" W.

Declination = 11° 05' 30" S.

Observed Vertical Angle = 19° 34'

Refrac. in Zenith dist. = 0° 02' 41"

True Vertical Angle (V) = 19° 31' 19"

$$\text{Cos. Azm.} = \frac{\text{Sin. } 11° \ 05' \ 30''}{\text{Cos. } 40° \ 53' \ 15'' \text{ x Cos. } 19° \ 31' \ 19''}$$

$$- (\text{Tan. } 40° \ 53' \ 15'' \text{ x Tan. } 19° \ 31' \ 19'')$$

$$= - 0.26999 - 0.30699 = - 0.57698$$

Azm. Sun = S. 54° 45' 42" E.

Horizontal Angle (from the sun to the right) = 158° 05'

Bearing of reference object = N. 76° 40' 42" W.

472.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 104, STATE OF Utah

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
	Tie from Cor. No. 1, H. E. S. No. 104 to U. S. L. M. No. 258															
	N. 18° 06' W.	2.33	2	21						72						
	N. 76° 42' W.	5.25	1	21					5	11						
	N. 78° 04' W.	34.71	7	18					33	96						
			10	60					39	79						
	Bearing of line = N. 75° 05' W., 41.18 chs.															

473

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 104, STATE OF Utah

BOOK A·430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S. 60° 18' E.	13.93		6 90	12 10		12 10		83 49
2 - 3	S. 32° 20' W.	12.15		10 27		6 50	17 70		181 78
3 - 1	N. 18° 06' W.	18.06	17 17			5 60 / 5 61	5 60	96 15	
		44.14	17 17	17 17	12 10	12 11		96 15	265 27
						12 10			96 15
	Errors:					01			20)169 12
			17 17	17 17	12 10	12 10		Area	8 46 Acres
	Error of Closure = 1/4414								

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Mar.29, 1917

The foregoing field notes of Homestead Entry Survey No. 104, situated in the Ashley National Forest Administrative District No. 4 in Sections 24 and 25, Unsurveyed T. 2 N. R. 21 E., Salt Lake Base and Meridian, Utah.

Mrs. Elizabeth E. Swett, claimant;

executed by W. B. Rice, Forest Examiner, [Forest Service Title.] under his special instructions, dated June 30, , 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

M. C. Thoresen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF K.F.

HOMESTEAD ENTRY SURVEY NO. 105

SITUATED IN THE ASHLEY NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 25, unsurveyed, Township 2 N., Range 21 E.
In Section 30, unsurveyed, Township 2 N., Range 22 E.,

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Oscar Swett

Residence Vernal, Utah

Application No. 107, dated February 23, 1916

List No. 4-2010, dated July 18, 1916

Applicant for survey Oscar Swett

Residence Vernal, Utah

H. E. No. , dated , 19

Land ~~District~~ Office Vernal

Survey executed by W. B. Rice, Forest Examiner,
[Forest Service Title.]

Under special instructions dated May 17, 1916

Survey commenced October 22, 1916

Survey completed October 24, 1916

Under Acts of June 11, 1906; August 11, 1916

5—2349

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 105, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Ira Carter (Chainman)

Subscribed and sworn to before me this 24th day of October, 1916.

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 17, 1916, 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, No. 4-2010, dated July 18, 1916, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 105, situated within the Ashley National Forest, in un surveyed Section 25, Township 2 N., Range 21 E., and un surveyed Section 30, Township 2 N., Range 22 E.,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 9th day of November, 1916.

Geo. W. Goshen
Notary Public

SEAL.

8—249

HOMESTEAD ENTRY SURVEY NO. 105

ASHLEY NATIONAL FOREST

STATE OF UTAH

Chains

Oscar Swett, applicant for listing, Application No. 107, dated February 23, 1916.

Special Instructions dated May 17, 1916, for H. E. Survey No. 105.

Claim situated in Sections 25 and 30, unsurveyed, of partly surveyed Township 2 North, Ranges 21 and 22 East (survey accepted), of the Salt Lake Base and Meridian, Utah, in the Ashley National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced October 22, 1916, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

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

October 22, 1916, at 8 h. 36 m., A. M., apparent time, at Cor. No. 1 of H. E. S. No. 104 (unapproved), I observe the altitude of the sun for Azimuth.

Latitude = 40° 53' 15" N. (By account from the SE.
Longitude = 109° 29' 45" W. (cor. of T.3 N., R. 21 E.
Observed altitude = 19° 34'
Horizontal angle (from the sun to the right) = 158° 05'

From this observation I calculate the bearing of a reference object 1 mile dist. from my station as N. 76° 40' 42" W.

October 23, 1916; I project the meridian thus established to Cor. No. 1 of this survey, and to this

Chains

meridian all courses of this survey are referred.

October 23, 1916; at Cor. No. 1 of this survey, at 5 h. 20 m., P. M., l. m. t., I foresight on the meridian as determined by projection from Cor. No. 1 of H. E. S. No. 104, and begin to observe the eastern progress of Polaris. When the Star begins to recede I read a maximum angle, to the right of 1° 30'.

Azimuth of Polaris = N. 1° 30' 20" E.

Bearing of projected meridian = N. 0° 0' 20" E.

This meridian is therefore seen to check the solar meridian within 20" of arc.

Mean Magnetic Declination = 17° 00' E.

RETRACEMENT

Beginning at Cor. No. 3 of H. E. S. No. 61 (survey approved), identical with Cor. No. 8 of H. E. S. No. 62 (survey approved), and with Cor. No. 5 of the Green River Administrative Site (unsurveyed), which is a sandstone, firmly set, showing 14 x 12 x 10 ins. above ground, mkd. S-HES-61 on the NW. face, R-5 on NE. face, S-HES-62 on the SW. face, with a cross (x) on top, and witnessed by a mound of stone; Cor. No. 4 of H. E. S. No. 61 being visible, I run

Thence

N. 74° 36' W.,

On a true line between Cors. Nos. 3 - 4 of H. E. S. No. 61 (approved).

11.00 Strike Cor. No. 2 of H. E. S. No. 62 (approved), hereafter described.

Chains	
12.00	Set temporary stake for Cor. No. 1 of this survey.
30.46	Cor. No. 4 of H. E. S. No. 61, which is a sandstone, firmly set in a mound of stone, mkd. 4-HES-61 on the NE. face and a cross (x) on top, and witnessed by two yellow pine bearing trees.

BEGINNING AT COR. NO. 1 of this survey, previously mkd. by a temporary stake, heretofore described, in place of which I set a sandstone, 24 x 15 x 6 ins., 14 ins. in the ground, over a sandstone, 3 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 1 of this survey; mkd. 1-HES-105 on the side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A sandstone, in place, showing 3 x 2 x 1 ft. above ground, mkd. X-1-HES-105-BR, bears S. 25° 45' E., 56 lks. dist.

A sandstone, in place, showing 3 x 2½ x 1 ft. above ground, mkd. X-1-HES-105-BR, bears S. 71° 40' W., 42 lks. dist.

U. S. Locating Monument No. 258 (approved), which is a sandstone, in place, showing 5 x 4 x 1 ft. above ground; mkd. X-USLM-258 and witnessed by a mound of stone and two bearing rocks, bears N. 37° 32' W., 73.68 chs. dist., by traverse, computations of which are hereto attached.

Cor. No. 3 of H. E. S. No. 61, identical with Cor. No. 8 of H. E. S. No. 62 (surveys approved), heretofore described, bears S. 74° 36' E., 12.00 chs. dist.

Cor. No. 4 of H. E. S. No. 61 (survey approved), heretofore described, bears N. 74° 36' W., 18.46 chs. dist.

HOMESTEAD ENTRY SURVEY NO. 105

ASHLEY NATIONAL FOREST

4. STATE OF UTAH

Chains	
	Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears S. 2 lks. dist. I destroy it and its witness.
	Thence
	S. 74° 36' E.,
	Along fence and line 4-3 of H. E. S. No. 61 (approved). Over level sagebrush land.
1.00	To Cor. No. 2, identical with Cor. No. 1 of the listing survey, and identical with Cor. No. 1 of H. E. S. No. 62 (survey approved), which is a sandstone, firmly set, showing 16 x 12 x 10 ins. above ground, mkd. 1-HES-62 on the SE. face and a cross (x) on top and witnessed by a mound of stone. I mark this stone 2-HES-105 on the W. face for Cor. No. 2 of this survey. Pits impracticable.
	Cor. No. 3 of H. E. S. No. 61, identical with Cor. No. 8 of H. E. S. No. 62 (surveys approved), heretofore described, bears S. 74° 36' E., 11.00 chs. dist.
	Cor. No. 4 of H. E. S. No. 61 (survey approved), heretofore described, bears N. 74° 36' W., 19.46 chs. dist.
	Thence
	S. 3° 17' E.,
	Ascend over sagebrush land, along line 1-2 of H. E. S. No. 62 (approved).
	Along fence.
18.79	Fence corner, from which fences bear N. 3° 17' W. and W.
19.61	To Cor. No. 3, about 125 ft. above Cor. No. 1, identical with Cor. No. 2 of H. E. S. No. 62 (survey approved) which is a sandstone, firmly set, showing 14 x 10 x 6 ins. above ground, mkd. 2-HES-62 on the NE.

Chains	
	face and a cross (x) on top, and witnessed by a mound of stone. I mark the stone 3-HES-105 on the SW. face for Cor. No. 3 of this survey. Pits impracticable. No bearing objects available.
	Thence
	S. 83° 31' E.,
	Ascend over sagebrush land, along line 2-3 of H. E. S. No. 62 (survey approved).
0.63	Creek 2 lks. wide, 6 ins. deep, flows N.
13.13	To Cor. No. 4, about 20 ft. above Cor. No. 3, identical with Cor. No. 3 of H. E. S. No. 62 (survey approved), which is a sandstone, firmly set, showing 18 x 10 x 7 ins. above ground, mkd. 3-HES-62 on the NW. face and a cross (x) on top, and witnessed by one bearing tree and a mound of stone. I mark this stone 4-HES-105 on the SW. face for Cor. No. 4 of this survey. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence
	S. 42° 05' E.
	Ascend over sagebrush land, through scattering aspen and yellow pine.
13.10	To Cor. No. 5, about 40 ft. above Cor. No. 4, identical with Cor. No. 4 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 32 x 16 x 4 ins., 22 ins. in the ground, over a sandstone, 7 x 6 x 4 ins., mkd. with a cross (x) for Cor. No. 5 of this survey; mkd.

Chains	
	5-HES-105 on side facing the claim and a cross (x) on the top; and raise a mound of stone, 4 ft. bas 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine tree, 15 ins. in dia., mkd. X-5-HES-105-BT, bears N. 52° 24' W., 71 lks. dist.
	A yellow pine tree, 30 ins. in dia., blazed and scribed X-5-HES-105-BT, bears N. 69° 09' E., 183 lks.dist.
	I destroy the witness to the listing corner.
	Thence N. 73° 59' W.,
	Over level sagebrush land, through scattering yellow pine and aspen.
5.00	Leave yellow pine and aspen, bears N. and S.
7.59	End of fence, which bears N. 73° 59' W.
	Along fence.
	Descend gentle slope.
23.45	Creek 2 lks. wide, 6 ins. deep flows N., about 20 ft. below point of descent.
	Ascend.
25.09	To Cor. No. 6, about 10 ft. above Creek, identical with Cor. No. 3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 16 x 14 ins., 14 ins. in the ground, over a sandstone, 3 x 3 x 2 ins., mkd. with a cross (x) for Cor. No. 6 of this survey; mkd. 6-HES-105 on the side facing the claim and a cross (x) on the top; and raise a mound of earth 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	An aspen tree, 5 ins. in dia., blazed and scribed X-6-HES-105-BT, bears S. 40° 16' E., 57 lks. dist.

Chains

An aspen tree, 5 ins. in dia., blazed and scribed X-6-HES-105-BT, bears S. 84° 36' E., 74 lks. dist.

I destroy the witness to the listing corner.

Fence corner, from which fences bear S. 73° 59' E. and N. 0° 24' E.,

Thence

N. 0° 24' E.,

Descend over sagebrush land, along fence.

5.10 Fence corner, from which fences bear S. 0° 24' W. and E.

24.02 To Cor. No. 1, the place of beginning, about 175 ft. below Cor. No. 6.

October 24, 1916.

AREA

Area of H. E. Survey No. 105 = 15.19 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

½ mile of pole fence. Value $75.00

The balance of the claimant's improvements are located on the adjoining H. E. Survey No. 62 (survey approved).

DESCRIPTION

This claim is located in what is locally known as the "Louis Allen" region, a basin on the south side of Green River. Vernal, Utah, the nearest accessible town lies about 30 miles to the south. The soil is a gravelly sandy loam. There is a

HOMESTEAD ENTRY SURVEY NO. 105

ASHLEY NATIONAL FOREST

8. STATE OF UTAH

Chains

scattering of aspen and yellow pine on the east side of the claim, but no timber of commercial importance. No mineral or indications of mineral found on this claim. H. E. S. No. 62 (survey approved) joins this claim on the E. and N. H. E. S. No. 61 (survey approved) joins this claim on the N.

It being impracticable to take my assistant before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistant.

Survey completed October 24, 1916.

W. B. Rice.

Forest Examiner.

HOMESTEAD ENTRY SURVEY NO. 105

ASHLEY NATIONAL FOREST

STATE OF UTAH

Chains

COMPUTATION SHEET

Direct solar observation for Azimuth.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - (\text{Tan. Lat. x Tan. V})$$

October 22, 1916.

At 8 h. 36 m., A. M., apparent time.

At Cor. No. 1 of H. E. S. No. 104.

Latitude = 40° 53' 15" N.

Longitude = 109° 29' 45" W.

Declination = 11° 05' 30" S.

Observed Vertical Angle = 19° 34'

Refrac. in Zenith dist. = 0° 02' 41"

True Vertical Angle (V) = 19° 31' 19"

$$\text{Cos. Azm.} = \frac{\text{Sin. } 11° \ 05' \ 30''}{\text{Cos. } 40° \ 53' \ 15'' \text{ x Cos. } 19° \ 31' \ 19''}$$

$$- (\text{Tan. } 40° \ 53' \ 15'' \text{ x Tan. } 19° \ 31' \ 19'')$$

$$= - 0.26999 - 0.30699 = - 0.57698$$

Azm. Sun = S. 54° 45' 42" E.

Horizontal Angle (from the sun to the right) = 158° 05'

Bearing of reference object = N. 76° 40' 42" W.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 105, STATE OF UTAH.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
Tie line from Cor. No. 1 of H.E.S. No. 105 to U. S. Location Monument No. 258.																
	N. 18° 06' W.	2.33	2	21						72						
	S. 74° 36' E.	12.00			3	19	11	57								
	N. 18° 06' W.	53.68	51	02					16	68						
	N. 76° 42' W.	5.25	1	21					5	11						
	N. 78° 04' W.	34.71	7	18					33	96						
			61	62	3	19	11	57	56	47						
			3	19					11	57						
			58	43					44	90						
		Bearing of tie line N. 37° 32' W., 73.68 chs. dist.														

491

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 105, STATE OF Utah

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	S.74° 36' E.	1.00		27	96		1 32		36
2 - 3	S. 3° 17' E.	19.61		19 58 (19 56)	1 12 (1 13)		3 41		66 70
3 - 4	S.83° 31' E.	13.13		1 48 (1 46)	13 05 (13 06)		17 60		25 70
4 - 5	S.42° 05' E.	13.10		9 72 (9 71)	8 78		39 44		382 96
5 - 6	N.73° 59' W.	25.09	6 92 (6 95)			24 12 (24 11)	24 11	167 56	
6 - 1	N. 0° 24' E.	24.02	24 02 (24 05)		17 (18)		18	4 33	
		95.95	30 94	31 05	24 08	24 12		171 89	475 72
				30 94		24 08			171 89
	Errors:			11		04			20)303 83
			31 00	31 00	24 11	24 11		Area	15 19 Acres

Error of Closure = $\frac{1}{820}$

493

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Mar. 29, 1917

The foregoing field notes of Homestead Entry Survey No. 105, situated in the Ashley National Forest Administrative District No. 4 in Section 25, Unsurveyed T. 2 N., R. 21 E. and Section 30, Unsurveyed T. 2 N., R. 22 E., Salt Lake Base and Meridian, Utah;

Oscar Swett, Claimant;

executed by W. B. Rice, Forest Examiner [Forest Service Title.] under his special instructions, dated May 17, 1916 having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

M O Thorsen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

Form 83
Sheet No. 1
(Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Surveyor General's Office
MAY 1 1917
SALT LAKE CITY, UTAH.

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 107

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 14, and 23 unsurveyed, Township 34 S., Range 1 E.

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Ezra McInelly

Residence Escalante, Utah

Application No. 57, dated December 9, 1911

List No. 4-1293, dated October 24, 1913

Applicant for survey Ezra McInelly

Residence Escalante, Utah

H. E. No. 012605, dated May 25, 1914

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 11, 1916

Survey commenced August 31, 1916

Survey completed September 4, 1916

Under Acts of June 11, 1906 and August 11, 1916.

1—2349

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 107, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Lynn (Chainman)

Harold Lubeck (Chainman)

Subscribed and sworn to before me this 4th day of September, 1916.

R D Garver

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 11, 1916, 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, No. 4-1293, dated Oct. 24, 1913, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 107, situated within the Powell National Forest, in unsurveyed Sections 14-23, Township 34 S., Range 1 E., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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 D Garver

Forest Examiner.
[Forest Service Title.]

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

Geo. W. Goshen
Notary Public

SEAL.

8—2349

Commission expires [illegible]

HOMESTEAD ENTRY SURVEY NO. 107

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

Ezra McInelly, applicant for listing, Application No. 57, dated December 9, 1911.

Ezra McInelly, entryman, H. E. No. 012605, Salt Lake, dated May 25, 1914.

Special Instructions dated May 11, 1916, for H. E. Survey No. 107.

Claim situated in unsurveyed Sections 14 and 23, Township 34 South, Range 1 East, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906 and August 11, 1916.

Survey commenced on August 31, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape and stadia, using Philadelphia leveling rod, fitted with two targets having verniers reading to .001 of a foot. I test the stadia interval against the steel tape and find that 1 foot intersected on the rod is equal to 2.00 chs. distant from the center of the transit, plus the stadia constant of .78 of a foot.

I examine the adjustments of the transit, finding all adjustments correct.

August 31, 1916: At Cor. No. 3 of this survey, at 6 h. 36 m., P. M., l. m. t., I foresight on a reference stake, firmly set, and centered with a tack, 5.00 chs. dist. from my station, and turn 29° 44' to the right to Polaris in position.

HOMESTEAD ENTRY SURVEY NO. 107

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

Latitude = 37° 51' 30" N. : By account from sur-
Longitude = 111° 48' 30" W. : veyed lines.

U. C. Polaris, September 1, 1916,	2 h. 50.9 m., A.M.
Longitude correction	1.2 m.
L. m. t., U. C. Polaris,	2 h. 49.7 m., A.M.
L. m. t., obsn., August 31, 1916,	6 h. 36 m., P.M.
Subtract from	12 h.
Time to midnight	5 h. 24 m.
Add	2 h. 49.7 m.
Argument	8 h. 13.7 m.

Azimuth of Polaris = N. 1° 11' 30" E.

Bearing of reference = N. 28° 32' 30" W.

August 31, 1916: Using the same station and reference as above, at 8 h. 15 m., P. M., l. m. t., I turn 29° 59' 30" to the right to Polaris in position.

U. C. Polaris, September 1, 1916,	2 h. 50.9 m., A.M.
Longitude correction	1.2 m.
L. m. t., U. C. Polaris,	2 h. 49.7 m., A.M.
L. m. t., obsn., August 31, 1916,	8 h. 15 m., P.M.
Subtract from	12 h.
Time to midnight	3 h. 45 m.
Add	2 h. 49.7 m.
Argument	6 h. 34.7 m.

Azimuth of Polaris = N. 1° 25' 30" E.

Bearing of reference = N. 28° 34' W.

The mean of these two observations is N. 28° 33' 15" W and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 25' E.

Chains

TRACT "A"

BEGINNING AT COR. NO. 1 of this survey, for which I set a quartzite stone, 26 x 12 x 8 ins., 16 ins. in the ground, over a quartzite stone, 6 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 1 of this survey; mkd. 1-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A cottonwood, 6 ins. in diameter, blazed and scribed X-1-HES-107-BT, bears S. 71° 08' W., 164 lks. dist.

A sandstone ledge, 30 ft. high, mkd. X-1-HES-107-BR, bears N. 31° 30' E., 194 lks. dist.

Cor. No. 1 of the listing survey, which is a black boulder, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 62° 15' E., 50 lks. dist. I destroy this corner and its witness.

The ¼ corner between Secs. 19 and 24, T. 34 S., Rgs. 1 and 2 E. (survey accepted), which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 87° 59' 30" E., 88.53 chs. dist., by traverse, computations of which are hereto attached.

Thence

S. 62° 15' W.

Across canyon bottom, through willow, rabbit and oak brush.

1.00 Road bears NW. and SE.

2.00 North Creek, 15 lks. wide, 12 ins. deep, flows SE.

3.50 Same creek flows NE.

HOMESTEAD ENTRY SURVEY NO. 107

POWELL NATIONAL FOREST

 STATE OF UTAH

Chains	
5.00	Same creek flows SE.
5.75	Base of perpendicular cliff, 30 ft. high.
6.00	To Cor. No. 2, about 30 ft. above North Creek, identical with Cor. No. 2 of the listing survey, which is a granite boulder, 4 ft. in diameter, mkd. and witnessed as described by the Surveyor General. I deface the markings of the listing survey and mark this same stone 2-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon pine, 8 ins. in diameter, bears S. 58° 53' W., 33 lks. dist.
	A cedar, 6 ins. in diameter, bears N. 77° 50' W., 42 lks. dist.
	Both trees blazed and scribed X-2-HES-107-BT.
	I destroy the witness for the listing corner.
	September 1, 1916.
	Thence
	N. 43° 14' W.
	Along broken hillside, through scattering pinon and juniper.
28.00	Drift fence bears NE. and SW.
32.53	To Cor. No. 3, identical with Cor. No. 3 of the listing survey, which is a black granite boulder, showing 3 ft. above ground, mkd. and witnessed as described by the Surveyor General; I deface the markings of the listing survey and mark this same boulder 3-HES-107 on the side facing the claim, and a cross (x) on top. Mound impracticable.
	A cedar, 14 ins. in diameter, bears S. 7° 50' E., 12 lks. dist.

Chains	
	A cedar, 6 ins. in diameter, bears N. 84° 25' W., 30 lks. dist.
	Both trees blazed and scribed X-3-HES-107-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 73° 16' W.
	Ascend gently over limestone ledges, through scattering pinon and juniper.
38.17	To Cor. No. 4, about 30 ft. above Cor. No. 3, identical with Cor. No. 4 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a limestone, 28 x 12 x 6 ins., 18 ins. in the ground, over a limestone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 4 of this survey; mkd. 4-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 10 ins. in diameter, bears N. 53° 55' E., 31 lks. dist.
	A pinon, 9 ins. in diameter, bears S. 60° 45' W., 4 lks. dist.
	Both trees blazed and scribed X-4-HES-107-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 0° 16' E.
	Descend gently through scattering pinon and juniper.
1.00	Perpendicular cliff, 25 ft. high.
3.00	Wash drains NE.

HOMESTEAD ENTRY SURVEY NO. 107

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
4.90	To Cor. No. 5, about 30 ft. below Cor. No. 4, for which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 3 ins., mkd with a cross (x), for Cor. No. 5 of this survey; mkd. 5-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A sandstone ledge, 20 ft. high and 100 ft. long, bears S. 46° 14' W., 48 lks. dist.
	Another point on the same ledge bears S. 11° 56' W., 55 lks. dist.
	Both points mkd. X-5-HES-107-BR.
	Thence S. 81° 55' E.
	On the south side of road exception.
	Descend gently through sage, scattering pinon and juniper and bull brush.
32.00	Fence bears N. and S.
36.50	Road bears N. and S.
37.26	Leave sage and enter cultivation, bears N. and S.
45.00	Leave cultivation and enter timber, bears N. and S.
45.17	To Cor. No. 6, about 20 ft. below Cor. No. 5, for which I set a quartzite stone, 24 x 12 x 5 ins., 14 ins. in the ground, over a granite stone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. No. 6 of this survey; mkd. 6-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cottonwood, 9 ins. in diameter, bears N. 23° 54' W., 29 lks. dist.

Chains

A cottonwood, 14 ins. in diameter, bears S. 15° 28' E., 33 lks. dist.

Both trees blazed and scribed X-6-HES-107-BT.

Thence

S. 22° 45' E.

Over level land, through timber.

0.21 Leave timber, enter cultivation, bears E. and W.

3.00 Leave cultivation and enter timber, bears E. and W.

4.78 North Creek, 12 lks. wide, 12 ins. deep, flows SW.

11.17 To Cor. No. 7, for which I set a sandstone, 26 x 10 x 8 ins., 16 ins. in the ground, over a quartzite stone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. No. 7 of this survey; mkd. 7-HES-107 on the side facing the claim, and a cross (x) on top. Dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist.; within the claim.

A pinon, 8 ins. in diameter, blazed and scribed X-7-HES-107-BT, bears S. 84° 18' E., 124 lks. dist.

Thence

S. 37° 04' E.

Descend gently through sage and bull brush.

25.18 To Cor. No. 1, the place of beginning, about 10 ft. below Cor. No. 7.

September 2, 1916.

TRACT "B"

Beginning at Cor. No. 8 of this survey, for which I set a granite stone, 26 x 8 x 6 ins., 16 ins. in

Chains

the ground, over a granite stone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. No. 8 of this survey; mkd. 8-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A cottonwood, 9 ins. in diameter, bears S. 35° 10' E., 34 lks. dist.

A cottonwood, 16 ins. in diameter, bears N. 8° 28' E., 6 lks. dist.

Both trees blazed and scribed X-8-HES-107-BT.

Cor. No. 6 of this survey, heretofore described, bears S. 29° 53' E., 63 lks. dist.

Cor. No. 9 of the listing survey, which is a black granite boulder, mkd. as described by the Surveyor General, bears N. 7° 00' W., 190 lks. dist. I destroy this corner.

Thence

N. 81° 55' W.

Ascend gently over cultivated land, on the north side of the road right of way.

7.80 Leave cultivation, enter sagebrush, bears N. and S.

8.10 Road bears N. and S.

44.86 To Cor. No. 9, about 20 ft. above Cor. No. 8, for which I set a sandstone, 28 x 16 x 6 ins., 18 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 9 of this survey; mkd. 9-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 26 ins. in diameter, blazed and scribed

Chains

X-9-HES-107-BT, bears N. 15° 00' E., 158 lks. dist.
A sandstone ledge, 20 ft. high, 100 ft. long, marked
X-9-HES-107-BR, bears S. 72° 05' W., 96 lks. dist.
Cor. No. 5 of this survey, heretofore described, bears
S. 0° 16' W., 50 lks. dist.

Thence

N. 0° 16' E.

Over level land, through scattering yellow pine.

3.77 To Cor. No. 10, identical with Cor. No. 5 of the listing survey, which is a black granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a granite stone, 24 x 14 x 8 ins., 14 ins. in the ground, over a red granite stone, 5 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 10 of this survey; mkd. 10-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 16 ins. in diameter, bears S. 81° 55' E., 49 lks. dist.

A yellow pine, 22 ins. in diameter, bears S. 34° 03' E., 80 lks. dist.

Both trees blazed and scribed X-10-HES-107-BT.

I destroy the witnesses for the listing corner.

Thence

S. 76° 21' E.

Descend gently over limestone ledges, through scattering pinon and juniper.

36.04 To Cor. No. 11, about 15 ft. below Cor. No. 10, identical with Cor. No. 6 of the listing survey, which is a

Chains	
	portion of a jutting sandstone ledge, showing 4 ft. above ground, mkd. and witnessed as described by the Surveyor General. I deface the markings for the listing survey and mark this same ledge 11-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 6 ins. in diameter, bears N. 18° 58' E., 17 lks. dist.
	A cedar, 12 ins. in diameter, bears N. 44° 25' W., 88 lks. dist.
	Both trees blazed and scribed X-11-HES-107-BT.
	I destroy the witness for the listing corner.
	September 3, 1916.
	Thence
	N. 8° 25' W.
	Ascend along broken hillside, through scattering pinon and juniper.
25.71	Fence bears E. and W.
38.56	To Cor. No. 12, about 30 ft. above Cor. No. 11, identical with Cor. No. 7 of the listing survey, which is a black granite boulder showing 3 x 2 x 2 ft. above ground, mkd. and witnessed as described by the Surveyor General; I deface the markings for the listing survey and mark this same boulder 12-HES-107 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. in diameter, blazed and scribed

Chains	
	X-12-HES-107-BT, bears S. 69° 28' W., 33 lks. dist. A limestone ledge, showing 2 ft. above ground, mkd.
	X-12-HES-107-BR, bears S. 18° 10' W., 40 lks. dist. I destroy the witness for the listing corner.
	Thence
	S. 89° 40' E.
	Over level land, through sagebrush.
0.20	Descend perpendicular cliff, 20 ft. high.
	Over level land.
3.75	Irrigation ditch, 3 lks. wide, 12 ins. deep, flows S.
5.58	Road bears N. and S.
7.30	To Cor. No. 13, about 20 ft. below Cor. No. 12, identical with Cor. No. 8 of the listing survey, which is a granite stone, mkd. as described by the Surveyor General, in place of which I set a sandstone, 24 x 5 x 3 ins., 14 ins. in the ground, over a sandstone, 10 x 10 x 6 ins., mkd. with a cross (x), for Cor. No. 13 of this survey; mkd. 13-HES-107 on the side facing the claim, and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence
	S. 11° 00' E.
	Descend gently through heavy rabbit, sage and bull brush.
3.60	North Creek, 15 lks. wide, 8 ins. deep, flows SE.
6.88	Same creek flows SE.
13.77	Same creek flows SW.
16.15	Same creek flows SE.

Chains	
19.42	Same creek flows SW.
37.56	Same creek flows SE.
40.64	To Cor. No. 8, the place of beginning, about 15 ft. below Cor. No. 13.

September 4, 1916.

AREA

Area in Tract "A":	60.37	Acres
Area in Tract "B":	39.29	"
Total area of H. E. Survey No. 107:	99.66	"

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A pole machine shed and barn combined, 22 x 30 ft., course of long sides NW. and SE., the SE. end center of which bears from Cor. No. 7, N. 70° 38' W., 4.35 chs. dist.

Value $100.00

A log and dirt cabin, 16 x 18 ft., course of long sides NW. and SE., the SE. corner of which bears from Cor. No. 7, N. 57° 00' W., 3.80 chs. dist.

Value $ 50.00

About ¼ mile of fencing. Value $ 20.00

Total value of improvements: $170.00

DESCRIPTION

This claim is situated on North Creek, about 8 miles above its juncture with Escalante Creek, and about 15 miles northwest of Escalante, the nearest post-

Chains

office, and 75 miles southeast of Marysvale, the nearest railroad point. The tract is made up of bottom and sidehill land, along both sides of North Creek and its tributaries, which flow through the tract. In the bottoms the soil is a deep sandy loam; on the ridges, a very rocky loam. There is a small amount of scrubby pinon, juniper and yellow pine which fringes the claim on nearly all sides, but is of no commercial value at this time. No presence or indications of mineral. About 23 acres under cultivation. There are no adjoining or nearby claims. All changes in boundary were made with the entire consent of the claimant and for the purpose of simplifying the survey.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

September 4, 1916.

R. Garner

Forest Examiner.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

S—2340

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 107, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
Tie Line - Cor. No. 1 to the ¼ cor. between Secs. 19 and 24, T. 34 S., Rgs. 1 and 2 E.																
	N. 79° 22' E.	4.84		89			4	76								
	N. 79° 40' E.	19.02	3	41			18	71								
	S. 82° 27' E.	1.00				13		99								
	S. 89° 44' E.	3.21				01	3	21								
	S. 89° 16' E.	2.64				03	2	64								
	S. 85° 32' E.	10.11				79	10	08								
	N. 57° 45' E.	1.20		64			1	01								
	S. 81° 32' E.	17.28			2	54	17	09								
	N. 58° 33' E.	2.18	1	14			1	86								
	N. 88° 56' E.	28.13		52			28	13								
			6	60	3	50	88	48								
			3	50												
			3	10												
		Bearing of Tie Line = N. 87° 59' 30" E., 88.53 chs. dist.														

Blank

Page

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.

S—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 107, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	TRACT "A"								
1 - 2	S. 62° 15' W.	6.00		2 79		5 31	123 05		343 31
2 - 3	N. 43° 14' W.	32.53	23 69 / 23 70			22 30 / 22 28	95 44	2260 97	
3 - 4	N. 73° 16' W.	38.17	10 98 / 10 99			36 57 / 36 55	36 57	401 54	
4 - 5	N. 0° 16' E.	4.90	4 90		02		02	10	
5 - 6	S. 81° 55' E.	45.17		6 37 / 6 35	44 69 / 44 72		44 73		284 93
6 - 7	S. 22° 45' E.	11.17		10 31 / 10 30	4 31 / 4 32		93 73		966 35
7 - 1	S. 37° 04' E.	25.18		20 10 / 20 09	15 16 / 15 18		113 20		2275 32
		163.12	39 59	39 53	64 24	64 14		2662 61	3869 92
			39 53		64 14				2662 61
	Errors:		06		10				20)1207 31
								Area:	60 37 Acres
		1	39 57	39 57	64 18	64 18			
	Error of Closure = 1399								

515

Blank

Page

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.

8—2149

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 107, STATE OF UTAH

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
	TRACT "B"																
8 - 9	N. 81° 55' W.	44.86	6	35 / 31					44	47 / 41	44	42	282	07			
9 - 10	N. 0° 16' E.	3.77	3	77				02				02		08			
10 - 11	S. 76° 21' E.	36.04			8	48 / 51	35	01 / 02			35	05			297	22	
11 - 12	N. 8° 25' W.	38.56	38	17 / 14					5	65 / 64	64	41	2458	53			
12 - 13	N. 89° 40' E.	7.30		05 / 04			7	30			66	06	3	30			
13 - 8	S. 11° 00' E.	40.64			39	89 / 89	7	74 / 75			81	10			3232	65	
		171.17	48	26	48	40	50	09	50	05			2743	98	3529	87	
					48	26	50	05							2743	98	
	Errors:					14		04							20) 785	89	
														Area:	39	29	Acres
															60	37	"
			48	34	48	34	50	07	50	07				Total area:	99	66	"
	Error of Closure = 1/1176																

517

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Dec. 12, 1917

The foregoing field notes of Homestead Entry Survey No. 107, situated in the Powell National Forest, in Secs. 14 and 23, unsurveyed, Township No. 34 South, Range No. 1 East, of the Salt Lake Base and Meridian, Utah; Ezra McInelly, claimant;

executed by R. D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 11, 1916 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Revised July 1, 1914.)

521

U. S. Surveyor General's Office
APR 13 1917
SALT LAKE CITY, UTAH.

521

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

F.B.

HOMESTEAD ENTRY SURVEY NO. 109

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 35, surveyed, Township 34 S., Range 2 W.
" " 1 & 2, unsurveyed, " 35 S., " 2 W.

of the

Salt Lake Base & Meridian.

State of Utah.

Applicant for listing Paul A. Winkler

Residence Winder, Utah

Application No. 68, dated August 12, 1912
Application No. 147, dated November 29, 1916
List No. 4-1299 dated October 28, 1913
List No. 4-2102, dated January 29, 1917

Applicant for survey Paul A. Winkler

Residence Winder, Utah

H. E. No. 012473, dated May 14, 1914
H.E.No.
Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner
[Forest Service Title.]

Under special instructions dated May 12, 1916

Survey commenced August 20, 1916

Survey completed August 22, 1916

Under Acts of June 11, 1906 and August 11, 1916.

F—2340

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 109, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Lynn

Harold Lubeck

Subscribed and sworn to before me this 22nd. day of August, 1916.

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 12, 1916, 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 Application No. 147, dated November 29, 1916, and

Lists, Nos. 4-1299 dated October 28, 1913 and 4-2102, dated January 29, 1917, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 109, situated within the Powell National Forest, in surveyed Section 35, Township 34 S., Range 2 W., and unsurveyed Sections 1 & 2, Township 35 S., Range 2 W.,

of the Salt Lake Base and meridian, Utah, 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.

Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 2d day of December, 1916.

Geo. W. Fosher
Notary Public

SEAL

HOMESTEAD ENTRY SURVEY NO. 109 1.

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

COMPOSITE SURVEY

Paul A. Winkler, applicant for listing, Applications No. 68, dated August 12, 1912, and No. 147, dated November 29, 1916.

Paul A. Winkler, entryman, H. E. No. 012473, dated May 14, 1914.

Special instructions dated May 12, 1916, for H. E. Survey No. 109.

Claim situated in Section 35, surveyed, partly surveyed Township 34 South, Range 2 West, (survey accepted) and Sections 1 and 2, unsurveyed, partly surveyed Township 35 South, Range 2 West, (survey accepted) of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced on August 20, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope, and corrected to the horizontal by clinometer angles.

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

August 20, 1916; at Cor. No. 1 of this survey, at 6 h. 51 m., p.m., l.m.t., I foresight on a reference stake, firmly set and centered with a tack, 5.00 chs. dist., from my station, and turn 75° 42' 30" to the left to Polaris in position.

HOMESTEAD ENTRY SURVEY NO. 109

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

Latitude = 37° 49' N. : : From my special instruc
Longitude = 112° 01' 30" W.: : tions.

U. C. Polaris, August 21, 1916,	3 h. 34 m.,	a.m.
Longitude correction	1.2 m.	
L. m. t., U. C. Polaris	3 h. 32.8 m.,	a.m.
L. m. t., obsn. August 20, 1916,	6 h. 51 m.,	p.m.
Subtract from	12 h.	
Time to midnight	5 h. 09 m.,	
Add	3 h. 32.8 m.	
Argument	8 h. 41.8 m.	

Azimuth of Polaris = N. 1° 05' E.

Bearing of reference stake = N. 76° 47' 30" E.

August 20, 1916, using same station and reference as above, at 8 h., 12 m., p.m., l.m.t., I turn 75° 25' 30" to the left to Polaris in position. Latitude and longitude previously stated.

U. C. Polaris, August 21, 1916,	3 h. 34 m.,	a.m.
Longitude correction	1.2 m.	
L. m. t. U. C. Polaris	3 h. 32.8 m.,	a.m.
L. m. t. obsn., August 20, 1916,	8 h. 12 m.,	p.m.
Subtract from	12 h.	
Time to midnight	3 h. 48 m.	
Add	3 h. 32.8 m.	
Argument	7 h. 20.8 m.	

Azimith of Polaris = N. 1° 21' E.

Bearing of reference stake = N. 76° 46' 30" E.

The mean of these two observations is N. 76° 47' E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 40' E.

Chains	
	REESTABLISHMENT OF LOST ¼ CORNER
	Beginning at the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General; I run
	Thence
	West
	On a random line between Sections 2 and 35, Tps. 34 and 35 S., R. 2 W., (survey accepted).
40.00	After diligent search I am unable to find any trace of the ¼ cor. between Sections 2 and 35, Tps. 34 and 35 S., R. 2 W., (survey accepted).
	Mr. Paul A. Winkler informs me that he inadvertently plowed out this corner and recent floods washed it down the canyon.
80.00	Fall 3 lks. south of the cor. of Sections 2, 3, 34, and 35, Tps. 34 and 35 S., R. 2 W. (survey accepted), which is a limestone, firmly set, mkd. and witnessed as described by the Surveyor General.
	I run
	Thence
	S. 89° 59' E.,
	On a true line between Sections 2 and 35, Tps. 34 and 35 S., R. 2 W. (survey accepted).
34.31	Set temporary stake for Cor. No. 4 of this survey.
40.00	To ¼ cor., for which I set a sandstone, 26 x 8 x 8 ins., 16 ins. in the ground, over broken glass, for the ¼ cor. between Sections 2 and 35, Tps. 34 and 35 S., R. 2 W., mkd. ¼ on the N. face and a cross (x) on top, and dig pits, 18 x 18 x 12 ins., crosswise on line, S. 89° 59' E., and N. 89° 59' W., 3 ft. dist.; and raise a mound of earth, 3 ft. base, 1½ ft. high, north of cor.

Chains	
80.00	Strike the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described.
	RETRACEMENT
	Beginning at the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, I run
	Thence
	East
	On a random line between Sections 1 and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted).
27.05	Set temporary stake for Cor. No. 7 of this survey.
39.96	Strike the ¼ cor. between Sections 1 and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted, which is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General.
	This, therefore, is seen to be a true line.
	From the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, I run,
	Thence
	N. 0° 02' W.
	On a random line between Sections 35 and 36, T. 34 S., R. 2 W. (survey accepted).
39.81	Fall 39 lks. W. of the ¼ cor. between Sections 35 and 36, T. 34 S., R. 2 W. (survey accepted), which is a sandstone, firmly set, and properly marked and witnessed.
	I run
	Thence
	S. 0° 32' W.

Chains	
	On a true line between Sections 35 and 36, T. 34 S., R. 2 W. (survey accepted).
22.58	Set temporary stake for Cor. No. 2 of this survey.
39.81	Strike the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described.
	August 21, 1916.

BEGINNING AT COR. NO. 1 of this survey, identical with the cor. of Sections 1, 2, 35, and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, and identical with Cor. H-1 of the listing survey, I mark with a cross (x) on top for Cor. No. 1 of this survey, and alongside to the SW. set a sandstone, 24 x 12 x 6 ins., 14 ins. in the ground, mkd. 1-HES-109 on side facing the claim.

Thence

N. 0° 32' E.

Chains	
	Descend, over sagebrush land, on a true line between Sections 35 and 36, T. 34 S., R. 2 W. (survey accepted).
17.23	To Cor. No. 2, previously mkd. by temporary stake, about 30 ft. below Cor. No. 1, in place of which I set a quartzite stone, 24 x 12 x 10 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., on line between Sections 35 and 36, T. 34 S., R. 2 W., (survey accepted); mkd. cc on the SW. face, 2-HES-109 on side facing the claim, and a cross (x) on top, for closing cor. and Cor. No. 2 of this survey. Dig pits, 24 x 18 x 12 ins., crosswise on the section line, N. 0° 32' E., and S. 0° 32' W., 3 ft. dist., and dig a pit, 24 x 18 x 12 ins., crosswise on the closing line, S. 80° 40' W., 7 ft. dist.;

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 109

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist. on the closing line, S. 80° 40' W.
	No bearing objects available.
	Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears E., 4 lks. dist. I destroy this cor. and its witnesses, which were not suitable for bearing objects.
	The ¼ cor. between Sections 35 and 36, T. 34 S., R. 2 W., (survey accepted), heretofore described, bears N. 0° 32' E., 22.58 chs. dist.
	Thence S. 80° 40' W.,
	Descend over rolling hills, through scattering pinyon and juniper.
26.00	Fence cor. bears S. 76 lks. dist., from which fences bear S. and SW.
53.00	Fence cor., from which fences bear S. and NE.
53.08	To Cor. No. 3, about 40 ft. below Cor. No. 2, identical with Cor. No. 3 of the listing survey, which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 10 x 8 ins., 14 ins. in the ground, over a sandstone, 4 x 4 x 3 ins., mkd. with a cross (x), for Cor. No. 3 of this survey; mkd. 3-HES-109 on the side facing the claim and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 5 ins. in diameter, bears N. 28° 28' W., 13 lks. dist.
	A yellow pine, 26 ins. in diameter, bears N. 14° 22' E., 112 lks. dist.
	Both trees blazed and scribed x-3-HES-109-BT.
	I destroy the witnesses for the listing corner.

Chains	
	Thence
	S. 36° 46' E.,
	Over level land, through sagebrush.
0.15	Fence bears N. and S.
5.88	Mud Spring Wash, 20 ft. deep and 10 ft. wide, course W.
10.83	To Cor. No. 4, previously mkd. by temporary stake, in place of which I set a sandstone, 24 x 14 x 12 ins., 14 ins. in the ground, over a quartz stone, 4 x 3 x 3 ins., mkd. with a cross (x), on line between Secs. 2 and 35, Tps. 34 and 35 S., R. 2 W. (survey accepted), mkd. CC on the NW. face, 4-HES-109 on the E. face, and a cross (x) on top, for closing cor. and Cor. No. 4 of this survey, and dig a pit, 42 x 36 x 12 ins., crosswise on the township line, S. 89° 59' E., 4 ft. dist., and dig a pit, 30 x 24 x 12 ins., crosswise on the closing line, N. 36° 46' W., 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, on the closing line, N. 36° 46' W., 3½ ft. dist.
	The cor. of Secs. 2, 3, 34, and 35, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, bears N. 89° 59' W., 34.31 chs. dist.
	The ¼ cor. between Secs. 2 and 35, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, bears S. 89° 59' E., 5.69 chs. dist.
	Thence
	S. 36° 46' E.
	Ascend gently through scattering yellow pine.
14.88	Fence bears NW. and SE.
18.62	To Cor. No. 5, about 50 ft. above Cor. No. 4, identical with Cor. No. 4 of the listing survey, which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 30 x 10 x 6 ins., 20 ins. in the ground, over a sandstone, 4 x 3 x 2 ins.,

Chains	
	mkd. with a cross (x), for Cor. No. 5 of this survey; mkd. 5-HES-109 on side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 12 ins. in diameter, bears S. 43° 23' E., 62 lks. dist.
	A Douglas fir, 8 ins. in diameter, bears N. 59° 14' W., 41 lks. dist.
	Both trees blazed and scribed x-5-HES-109-BT.
	Thence N. 88° 26' E.,
	Leave List No. 4-1299, enter List No. 4-2102.
	Ascend gently over broken hills, through scattering yellow pine.
0.24	Fence bears NW. and SE.
4.66	Fence bears NE. and SW.
37.00	Strike Cor. No. 6 of the listing survey, which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General. I destroy this cor. and its witnesses.
	From this point Cor. No. 5 of the listing survey, which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 57° 50' W., 12.00 chs. dist. I destroy this cor. and its witnesses.
	Leave List No. 4-2102; enter List No. 4-1299.
61.61	To Cor. No. 6, about 60 ft. above Cor. No. 5, for which I set a sandstone, 28 x 10 x 8 ins., 18 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 6 of this survey; mkd. 6-HES-109 on side facing the claim and a cross (x) on top. Raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within

Chains

the claim.

A yellow pine, 8 ins. in diameter, bears S. 68° 49' W., 216 lks. dist.

A yellow pine, 30 ins. in diameter, bears S. 1° 26' W., 182 lks. dist.

Both trees blazed and scribed x-6-HES-109-BT.

No other bearing objects available.

Cor. No. 7 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears South 1.30 chs. dist. I destroy this cor. and its witness.

Thence

North

Across sage flat.

9.78 Wash, 10 ft. wide, 6 ft. deep, course W.

13.24 To Cor. No. 7, previously mkd. by temporary stake, in place of which I set a sandstone, 24 x 10 x 8 ins., 14 ins. in the ground, over a quartzite stone, 4 x 3 x 2 ins., mkd. with a cross (x), on line between Secs. 1 and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted); mkd. cc on the S. face, 7-HES-109 on the side facing the claim, and a cross (x) on top, for closing cor. and Cor. No. 7 of this survey, and dig pits, 30 x 24 x 12 ins., crosswise on the township line, E. and W., 4 ft. dist., and dig a pit, 30 x 24 x 12 ins., crosswise on the closing line, S. 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, on the closing line, S. 4 ft. dist.

The ¼ cor. between Secs. 1 and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted), heretofore described, bears East 12.91 chs. dist.

Cor. No. 8 of the listing survey, which is a sandstone, firmly set, mkd. as described by the Surveyor General, bears N. 2 lks. dist. I destroy this corner.

HOMESTEAD ENTRY SURVEY NO. 109

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains	
	Thence
	West
	Descend through sage and rabbit brush, on a true line between Secs. 1 and 36, Tps. 34 and 35 S., R. 2 W. (survey accepted).
27.05	To Cor. No. 1, the place of beginning, about 40 ft. below Cor. No. 7.

August 22, 1916.

AREA

Area in Sec. 35, T. 34 S., R. 2 W.,	64.91 acres.
Area in unsurveyed Secs. 1 and 2, T. 35 S., R. 2 W.,	95.02 "
Total area of H. E. Survey No. 109,	159.93 "
Area of listed land included	147.61 "
Area of land to be listed	12.32 "

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A two room lumber cabin, 16 x 24 ft., course of long sides E. and W., the SE. cor. of which bears from Cor. No. 5, N. 7° 29' W., 22.00 chs. dist.	Value	$175.00
About 1 mile of fence	Value	100.00
Total value of improvements		$275.00

DESCRIPTION

This claim is situated on Mud Spring Creek, about 2 miles southeast of Winder, Utah, the nearest post-office, and about 60 miles southeast of Marysvale, Utah, the nearest railroad point. The tract is made up of bottom and gently sloping side-hill

Chains

land along Mud Spring Creek, which flows through the tract. The soil in the bottoms is a deep black loam; on the ridges a gravelly loam. There is some yellow pine, most of which is over mature, on this tract, but is of no commercial value at this time except in connection with the development of this tract. No presence or indications of mineral. About 18 acres have been cultivated. No adjoining claims. The unlisted land included was at the direct request of the claimant.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay, and expense, I administer, myself, the required affidavit of the assistants.

August 22, 1916.

R. L. Gower

Forest Examiner.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

	Chains		Chains

Blank

Page

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.

BOOK A-430

8—2340

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 109, STATE OF UTAH (Area of listed land included)

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 4cc	N. 89° 59' W.	45.69	00 01			45 69	45 69		
4cc-5	S. 36° 46' E.	18.62		14 92	11 15		11 15		166 36
5 - H/5	N. 74° 35' E.	27.83	7 40		26 83		49 13	363 56	
H/5 - H/6	S. 57° 50' E.	12.00		6 39	10 16		86 12		550 31
H/6 - 6	N. 88° 26' E.	24.61	67		24 60		120 88	80 99	
6 - 7cc	North	13.24	13 24				145 48	1926 16	
7cc- 1cc	West	27.05				27 05	118 43		
		169.04	21 32	21 31	72 74	72 74		2370 71	716 67
			21 31					716 67	
		Errors	01					20)1654 04	
			21 31	21 31	72 74	72 74	Area	82 70	Acres in unsurveyed Secs. 1 & 2, T. 35 S., R. 2 W.
							Add	64 91	Acres (area in Sec. 36, T. 34 S., R. 2 W.)
		Error of closure		1 / 16,904					
						Total area listed land		147 61	Acres.
						" " H.E.S. 109		159 93	"
						Area to be listed		12 32	"

Blank

Page

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. 109, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
Area in Sec. 35, T. 34 S., R. 2 W.			17 24		17				
1 - 2 cc	N. 0° 32' E.	17.23	17 23		16		104 55	1802 44	
2 - 3	S. 80° 40' W.	53.08		8 58		52 36	52 36		449 25
3 - 4	S. 36° 46' E.	10.83		8 68	6 48		6 48		56 25
4cc-1	S. 89° 59' E.	45.69	02	00 01	45 71 69		58 67	1 17	
		126.83	17 23	17 30	52 33	52 38		1803 61	505 50
			17 26	17 23	52 36	52 33		505 50	
			Errors	07		05		20)1298 11	
			Error of closure -	17 26 / 1		52 36	Area	64 91 Acres.	
					1474				
Area in unsurveyed Sections 1 and 2, T. 35 S., R. 2 W.									
1 - 4cc	N. 89° 59' W.	45.69	01			45 69	45 69	46	
4cc-5	S. 36° 46' E.	18.62	16 7	14 92	11 15		11 15		166 36
5 - 6	N. 88° 26' E.	61.61	1 68		61 59		83 89	140 10	
6 - 7cc	North	13.24	13 24				145 48	1926 16	
7cc-1	West	27.05				27 05	118 43		
		166.21	14 93	14 92	72 74	72 74		2066 72	166 36
			14 92					166 36	
		Errors	01					20)1900 36	
			14 92	14 92	72 24	72 74	Area	95 02 Acres	
			Error of closure -		1 / 16,621				

537

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917.

The foregoing field notes of Homestead Entry Survey No. 109, situated in the Powell National Forest, in Sec. 35, surveyed, Township No. 34 South, Range No. 2 West; and Secs. 1 and 2, unsurveyed, Township No. 35 South, Range No. 2 West, of the Salt Lake Base and Meridian, Utah; Paul A. Winkler, claimant;

executed by —— R. D. Garver, Forest Examiner —— [Forest Service Title.] under his special instructions, dated —— May 12 ——, 1916 having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A. O. Thorsen
U. S. Surveyor General.

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

8—2349

U. S. Surveyor General.

Blank

Page

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 110

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 13, unsurveyed, Township 34 S, Range 2 E.
In Section 18, unsurveyed, Township 34 S., Range 3 E.

of the

Salt Lake Base and Meridian.

State of

Utah

U. S. Surveyor General's Office
APR 24 1917
SALT LAKE CITY, UTAH.

U. S. Surveyor General's Office
JAN 2 1919

Applicant for listing Roos J. Roundy

Residence Escalante, Utah

Application No. 76 , dated December 19 , 19 12

List No. 4-1418 , dated May 28 , 19 14

Applicant for survey Roos J. Roundy

Residence Escalante, Utah

H. E. No. 014196 , dated April 5 , 19 15

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garvor, Forest Examiner. (Forest Service Title.)

Under special instructions dated May 12 , 19 16

Survey commenced September 7 , 19 16

Survey completed September 8 , 19 16

Under Acts of June 11, 1906 and August 11, 1916.

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 110, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Lynn (Chainman)

Howell Lubeck (Chainman)

Subscribed and sworn to before me this 8th day of September, 1916.

R D Garver

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 12, 1916, 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, No. 4-1418, dated May 28, 1914, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 110, situated within the Powell National Forest, in unsurveyed Section 13, Township 34 S., Range 2 E., and unsurveyed Section 18, Township 34 S., Range 3 E.,

of the Salt Lake Base and meridian, Utah, 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 D Garver

Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 2d. day of December, 1916.

Geo. W. Goshen
Notary Public

SEAL.

1—230

Commission expires ...

HOMESTEAD ENTRY SURVEY NO. 110

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

Rees J. Roundy, applicant for listing, Application No. 76, dated December 19, 1912.

Rees J. Roundy, entryman, H. E. No. 014196, Salt Lake, dated April 5, 1915.

Special Instructions dated May 12, 1916, for H. E. Survey No. 110.

Claim situated in unsurveyed Sections 13 and 18, Township 34 South, Ranges 2 and 3 E., Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced on September 7, 1916, and executed with W. and L. M. Gurley Light Mountain Transit No. 12773, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lullie 5-chain steel tape and stadia, using Philadelphia leveling rod fitted with two targets having verniers reading to .001 of a foot. I test the stadia interval against the steel tape and find that one foot intersected on the rod, plus the stadia constant of .78 ft., equals 2.00 chs. distant from the center of the transit.

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

September 7, 1916: At a point about 40.00 chs. NW. of Cor. No. 1, at 6 h. 25 m., P. M., l. m. t., I foresight on a reference stake, firmly set, and centered with a tack, 5.00 chs. dist. from my station, and turn 210° 55' to the right to Polaris

Chains

in position.

Latitude = 37° 51' 30" N. : By account from sur-
Longitude = 111° 41' 30" W. : veyed lines.

U. C. Polaris, September 8, 1916,	2 h. 23.5 m., A.M.
Longitude correction,	1.2 m.
L. m. t., U. C. Polaris,	2 h. 22.3 m., A.M.
L. m. t., obsn., September 7, 1916,	6 h. 25 m., P.M.
Subtract from	12 h. 00 m.
Time to midnight	5 h. 35 m.
Add	2 h. 22.3 m.
Argument	7 h. 57.3 m.

Azimuth of Polaris = N. 1° 14' 30" E.
Bearing of reference = S. 29° 40' 30" E.

September 7, 1916: Using the same station and reference as above, at 8 h. 26 m., P. M., l. m. t., I turn to the right to Polaris and begin to observe its eastern progress. When the Star begins to recede I read a maximum horizontal angle to the right of 211° 08'.

Latitude and longitude previously stated.
Azimuth of Polaris at eastern elongation = N. 1° 27' E.
Bearing of reference = S. 29° 41' E.

The mean of these two observations is S. 29° 40' 45" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 30' E.

RETRACEMENT

Beginning at the corner of Secs. 13, 18, 19 and 24, T. 34 S., Rgs. 2 and 3 E. (survey accepted), which

Chains

is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General; the ¼ corner between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted) being visible, I run

Thence

N. 89° 56' E.

On a true line between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted).

1.68 Set temporary stake for Cor. No. 1 of this survey.

11.59 Set temporary stake for Cor. No. 4 of this survey.

39.22 Strike the ¼ corner between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted), which is a limestone ledge, mkd. as described by the Surveyor General.

BEGINNING AT COR. NO. 1 of this survey, previously mkd. by a temporary stake, in place of which I set a basalt stone, 24 x 20 x 10 ins., 14 ins. in the ground, over a basalt stone, 6 x 4 x 3 ins., mkd. with a cross (x), for Cor. No. 1 of this survey, on line between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted), mkd. CC on the NW. face, 1-HES-110 on the NE. face, and a cross (x) on top, for closing corner and Cor. No. 1 of this survey; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, on the closing line, N. 33° 54' W., 3½ ft. dist. Pits impracticable.

A pinon pine, 8 ins. in diameter, bears S. 49° 27' E., 29 lks. dist.

A juniper, 12 ins. in diameter, bears S. 18° 20' W., 24 lks. dist.

Both trees blazed and scribed X-1-HES-110-CC-BT.

The corner of Secs. 13, 18, 19 and 24, T. 34 S., Rgs.

HOMESTEAD ENTRY SURVEY NO. 110

POWELL NATIONAL FOREST

.4. STATE OF UTAH

Chains	
	2 and 3 E. (survey accepted), heretofore described bears S. 89° 56' W., 1.68 chs. dist.
	The ¼ corner between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted), bears N. 89° 56' E., 37.54 chs. dist.
	Cor. No. 1 of the listing survey, which is a black granite boulder, mkd. and witnessed as described by the Surveyor General, bears S., 1 lk. dist. I destroy this corner and its witnesses.
	Thence
	N. 33° 54' W.
	Ascend gently over broken hillsides, through scattering pinon and juniper.
19.07	Road bears NW. and SE.
23.53	Road bears NE. and SW.
53.36	Ditch, 3 lks. wide, 8 ins. deep, flows SE.
57.00	Same ditch flows SW.
69.42	Temporary stake from which improvements were located.
71.00	Summit of ridge, about 75 ft. above Cor. No. 1.
71.72	Precipitous cliff, 50 ft. high.
	Over level land.
85.93	To Cor. No. 2, identical with Cor. No. 2 of the listing survey, which is a black granite boulder, mkd. and witnessed as described by the Surveyor General, in place of which I set a black granite stone, 24 x 10 x 8 ins., 14 ins. in the ground, over a granite stone, 4 x 4 x 3 ins., mkd. with a cross (x), for Cor. No. 2 of this survey; mkd. 2-HES-110 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. in diameter, bears S. 32° 24' W., 35 lks. dist.

Chains	
	A pinon, 10 ins., in diameter, bears N. 76° 56' W., 32 lks. dist.
	Both trees blazed and scribed X-2-HES-110-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 68° 00' E.
	Across Pine Creek Canyon, over level land through scattering pinon and juniper.
0.18	Road bears NW. and SE.
0.32	Fence bears NW. and SE.
1.67	Pine Creek, 20 lks. wide, 10 ins. deep, flows SE.
8.27	Point on Escalante Telephone Line, which bears N. 27° 45' W. and S. 27° 45' E.
18.81	To Cor. No. 3, identical with Cor. No. 3 of the listing survey, which is a black granite boulder, mkd. and witnessed as described by the Surveyor General, in place of which I set a basalt stone, 24 x 12 x 10 ins., 14 ins. in the ground, over a basalt stone, 6' x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 3 of this survey; mkd. 3-HES-110 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 6 ins. in diameter, bears N. 12° 25' W., 29 lks. dist.
	A pinon, 6 ins. in diameter, bears S. 35° 08' E., 51 lks. dist.
	Both trees blazed and scribed X-3-HES-110-BT.
	I destroy the witnesses for the listing corner.
	September 7, 1916.
	Thence
	S. 27° 13' E.

Chains	
	Descend along broken hillside, through pinon and junipe
35.72	Dry wash drains SW.
58.71	Dry wash drains SW.
88.21	To Cor. No. 4, about 25 ft. below Cor. No. 3, previousl mkd. by temporary stake, in place of which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 6 x 3 x 2 ins., mkd. with a cross (x), on line between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted), mkd. CC on the NW. face, 4-HES-110 on the side facing the claim, and a cross (x) on top, for closing corner and Cor. No 4 of this survey; and raise a mound of stone, 4 ft. base, 2 ft. high, on the closing line, N. 27° 13' W., 3½ ft. dist. Pits impracticable.
	A sandstone ledge marked X-4-HES-110-CC-BR bears N. 3° 55' W., 18 lks. dist.
	A sandstone ledge marked X-4-HES-110-CC-BR bears N. 51° 55' E., 18 lks. dist.
	The ¼ corner between Secs. 18 and 19, T. 34 S., R. 3 E. (survey accepted), bears N. 89° 56' E., 27.63 chs. dist.
	The corner of Secs. 13, 18, 19 and 24, T. 34 S., Rgs. 2 and 3 E. (survey accepted), heretofore described, bears S. 89° 56' W., 11.59 chs. dist.
	Cor. No. 4 of the listing survey, which is a sandstone, mkd. as described by the Surveyor General, bears N., 1 lk. dist. I destroy this corner.
	Thence S. 89° 56' W.
	Across canyon bottom, through timber, on a true line between Secs. 18 and 19, T. 34 S., R. 3 E. (survey

Chains	
	accepted).
0.40	Escalante Telephone Line bears N. 31° 35' W. and S. 31° 35' E.
5.16	Pine Creek, 20 lks. wide, 10 ins. deep, flows SE.
7.73	Fence bears NW. and SE.
7.95	Road bears NW. and SE.
9.91	To Cor. No. 1, the place of beginning.

September 8, 1916.

AREA

Area of H. E. Survey No. 110: 118.03 acres.

TRAVERSE OF THE ESCALANTE TELEPHONE LINE, WHICH IS MAINTAINED AND OWNED BY THE U. S. FOREST SERVICE

Beginning at a point on the north boundary of the claim, which bears N. 68° 00' E., 8.27 chs. dist. from Cor. No. 2 of this survey; thence with traverse

S. 27° 45' E., 38.80 chs.
S. 48° 50' E., 18.25 "
S. 21° 50' E., 4.80 "
S. 43° 50' E., 6.70 "
S. 31° 35' E., 22.00 "

To a point on the south boundary of the claim where the telephone line leaves the tract, from which Cor. No. 4 of this survey bears N. 89° 56' E., 40 lks. dist.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

Chains

A 3-room lumber house, 16 x 23 ft., course of long sides E. and W., the NW. corner of which bears from the point heretofore mentioned, S. 41° 00' E., 26.00 chs. dist.

Value $150.00

A pole pig shed, 10 x 30 ft., course of long sides E. and W., the NW. corner of which bears from the above mentioned point, S. 37° 30' E., 27.00 chs, dist.

Value $ 25.00

The center of a round corral, 75 ft. in diameter bears from the above point, S. 35° 00' E., 29.00 chs. dist.

Value $ 25.00

About 1 mile of fence. Value $ 75.00

Total value of improvements: $275.00

DESCRIPTION

This tract is located on Pine Creek, about 8 miles north of Escalante, Utah, the nearest postoffice, and about 100 miles southeast of Marysvale, the nearest railroad point. The tract is made up of bottom and gently sloping sidehill land along Pine Creek, which flows through the tract. The soil is a sandy loam on the bottom land, while that on the ridges and sidehills is very rocky. Scattering pinon and juniper and some yellow pine fringe this claim on all sides, but is of no commercial value at this time. No presence or indications of mineral. About 7 acres have been cultivated. The main road leading up Pine Creek passes through

Chains

this tract. The Pierce Administrative Site formerly adjoined this tract on the north, but since this area has been released, is not shown on the plat. No adjoining or nearby claims other than mentioned.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

September 8, 1916.

R. L. Garner

Forest Examiner.

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 110, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	N. 33° 54' W.	85.93	71	35 / 32					47	91 / 93	47	91	3418	38		
2 - 3	N. 68° 00' E.	18.81	7	06 / 05			17	45 / 44			17	45	123	20		
3 - 4	S. 27° 13' E.	88.21			78	40 / 44	40	37 / 34			75	27			5901	17
4 - 1	S. 89° 56' W.	9.91				01			9	91	105	73			1	06
		202.86	78	37	78	45	57	78	57	84			3541	58	5902	23
					78	37			57	78					3541	58
	Errors:					08				06					20) 2360	65
			78	41	78	41	57	82	57	82				Area:	118	03 Acres
	Error of Closure:	1/2029														

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Dec. 5, 1917

The foregoing field notes of Homestead Entry Survey No. 110, situated in the Powell National Forest, in section 13, unsurveyed, Township No. 34 South, Range No. 2 East, and section 18, unsurveyed Township No. 34 South, Range No. 3 East of the Salt Lake Base and Meridian, Utah; Rees J. Roundy, claimant,

executed by R. D. Garver, Forest Examiner [Forest Service Title.] under his special instructions, dated May 12, 1916, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Revised July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

U. S. Land Office
Apr 24 1917
Salt Lake City, Utah

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 112

SITUATED IN THE Powell NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 13-14-23-24, surveyed, Township 35 S, Range 2 W.

of the

Salt Lake Base and Meridian.

State of Utah

Applicant for listing Elijah G. Goulding

Residence Winder, Utah

Application No. 80, dated June 20, 19 13

List No. 4-1384, dated Feb. 17, 19 14

Applicant for survey Elijah G. Goulding

Residence Winder, Utah

H. E. No. 012950, dated August 21, 19 14

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 13, 19 16

Survey commenced August 25, 19 16

Survey completed August 26, 19 16

Under Acts of June 11, 1906 and August 11, 1916

1—2349

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 112, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Harvey Lubeck (Chainman)
Wm Lyman (Chainman)

Subscribed and sworn to before me this 26 day of August, 1916.

R D Garver
Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 13, 1914, 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, No. 4-1384, dated Feb. 17, 1914, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 112,
situated within the 13-14 Powell National Forest, in
unsurveyed Section s 23-24, Township 35 S., Range 2 W., and
surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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 D Garver
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 2d day of December, 1916.

SEAL.

Geo. W. Goshen
Notary Public

8—2349

Commission expires Oct. 19, 1920

Chains

Elijah J. Goulding, applicant for listing, Application No. 80, dated June 20, 1913. — April 1913

Elijah J. Goulding, entryman, H. E. No. 012950, Salt Lake, dated August 21, 1914, Salt Lake Land Office.

Special instructions dated May 13, 1916, for H. E. Survey No. 112.

Claim situated in unsurveyed Sections 13, 14, 23 and 24, Township 35 South, Range 2 West (partly surveyed, survey accepted), of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced on August 25, 1916, and executed with a W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers placed opposite each other and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

August 25, 1916: At Cor. No. 1 of this survey, at 7 h. 53 m., P. M., l.m.t., I foresight on a reference stake, firmly set, centered with a tack, 5.00 chs. dist. from my station, and turn 74° 52' 30" to the left to Polaris in position.

Latitude = 37° 46' N. : From Special instructions.

Longitude = 112° 01' 30" W. :

U. C. Polaris, August 26, 1916, 3 h. 14.5 m., A.M.

Longitude correction 1.2 m.

L. m. t., U. C. Polaris, - - 3 h. 13.3 m., A.M.

HOMESTEAD ENTRY SURVEY NO. 112

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

L. m. t. obsn., August 25, 1916, 7 h. 53 m., P.M.
Subtract from 12 h.
Time to midnight 4 h. 07 m.
Add 3 h. 13.3 m.
Argument 7 h. 20.3 m.
Azimuth of Polaris = N. 1° 21' E.
Bearing of reference = N. 76° 13' 30" E.

August 25, 1916; Using the same station and reference, at 8 h. 47 m., A.M., l.m.t., I turn 74° 47' to the left to Polaris in position.

U. C. Polaris, August 26, 1916, 3 h. 14.5 m., A.M.
Longitude correction 1.2 m.
L. m. t., U. C. Polaris 3 h. 13.3 m., A.M.

L. m. t. obsn., August 25, 1916, 8 h. 47 m., P.M.
Subtract from 12 h.
Time to midnight 3 h. 13 m.
Add 3 h. 13.3 m.
Argument 6 h. 26.3 m.
Azimuth of Polaris = N. 1° 26' E.
Bearing of reference = N. 76° 13' E.

The mean of these two observations is N. 76° 13' 15" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 40' E.

Beginning at Cor. No. 1 of this survey, identical with Cor. No. 6 of the listing survey, which is a boulder firmly set, and mkd. H-6, and Cor. No. 7 of H. E. S. No. 91 (unapproved), which is a sandstone, firmly set, mkd. 7-HES-91 on the NW. face and a cross (x) on top, and properly witnessed by two bearing trees.

Chains.

I destroy the listing corner, which sets immediately to the S., and mk. the last corner stone described 1-HES-112 on the SW. face; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A sandstone ledge, 50 x 8 x 4 ft. above ground, bears S. 87° 00' E., 207 lks. dist.

A sandstone ledge, 30 x 5 x 4 ft., above ground, bears N. 51° 54' E., 217 lks. dist.

Both ledges mkd. X-1-HES-112-BR.

U. S. L. M. No. 262 (unapproved), which is a limestone boulder, showing 20 x 8 x 8 ft. above ground, mkd. USLM-262 on the W. face and a cross (x) on top, and additionally witnessed by three bearing trees and two mounds of stone, being in sight, bears S. 72° 34' E., 2.69 chs. dist.

Fence corner bears SW. 1 lk. dist., from which fences bear SW. and SE.

Thence

S. 53° 32' E.

Along broken hillside, through pinyon and juniper.

22.77 Road bears E. and W.

34.57 Fence corner bears W., 2.00 chs. dist., from which fences bear S. and NW.

82.16 To Cor. No. 2, identical with Cor. No. 5 of the listing survey, which is a boulder, firmly set, and mkd. as described by the Surveyor General, in place of which I set a sandstone 24 x 12 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 2 of this survey; mkd. 2-HES-112 on the side facing the claim and a cross (x) on top. No bearings, therefore dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a

HOMESTEAD ENTRY SURVEY NO. 112

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist within the claim.
	August 25, 1916.
	Thence
	S. 9° 50' W.
	Over level land, through sagebrush.
8.93	Creek, 2 lks. wide, 1 in. deep, flows NW.
10.96	To Cor. No. 3, identical with Cor. No. 4 of the listing survey, which is a granite boulder, firmly set, mkd. as described by the Surveyor General, in place of which I set a sandstone, 24 x 14 x 12 ins., 14 ins. in the ground, over a quartzite stone, 5 x 4 x 2 ins., mkd. with a cross (x) for Cor. No. 3 of this survey; mkd. 3-HES-112 on the side facing the claim and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist. within the claim.
	A yellow pine, 16 ins. in dia., bears S. 15° 52' E., 249 lks. dist.
	A yellow pine, 20 ins. in dia., bears S. 48° 22' W., 252 lks. dist.
	Both trees blazed and scribed X-3-HES-112-BT.
	Thence
	N. 75° 50' W.
	Over level land, through scattering yellow pine and juniper.
4.00	Road bears NW. and SE.
9.89	Clay Creek, 4 lks. wide, 2 ins. deep, flows NW.
21.93	To Cor. No. 4, identical with Cor. No. 3 of the listing survey, which is a granite boulder, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone,

Chains	
	28 x 14 x 6 ins.; 18 ins. in the ground, over a sandstone, 6 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 4 of this survey; mkd. 4-HES-112 on the side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine; 26 ins. in dia., bears S. 46° 36' W., 70 lks. dist.
	A yellow pine, 22 ins. in dia., bears S. 7° 22' W., 58 lks. dist.
	Both trees blazed and scribed X-4-HES-112-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 50° 43' W.
	Over level land, through sagebrush.
18.84	Leave sage, enter cultivation, bears E. and W.
22.36	Leave cultivation, enter sagebrush, bears E. and W.
25.20	Road bears NW. and SE.
25.37	Fence corner bears NE., 5 lks. dist., from which fences bear N. and NW.
45.16	Strike road and follow, bears NW. and SE.
52.50	Leave road, which bears NW. and S. 50° 43' E.
52.73	To Cor. No. 5, identical with Cor. No. 2 of the listing survey, which is a granite stone, firmly set, mkd. as described by the Surveyor General, in place of which I set a sandstone, 28 x 6 x 5 ins., 18 ins. in the ground, over a sandstone, 4 x 2 x 1 ins., mkd. with a cross (x), for Cor. No. 5 of this survey; mkd. 5-HES-112 on the side facing the claim and a cross (x) on top. No bearings, therefore dig pits, 24 x 24 x 12 ins., crosswise on this and the

HOMESTEAD ENTRY SURVEY NO. 112

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	succeeding course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence
	N. 31° 30' W.
	Over level land, through sagebrush.
	Fence parallel to course bears E., 10 lks. dist.
4.00	Road bears E. and W.
4.40	Fence corner bears E., 10 lks. dist., from which fences bear NW, NE. and SE.
14.02	Leave sage and enter spruce, bears E. and W.
	Clay Creek, 4 lks. wide, 3 ins. deep, flows NW.
14.68	Same creek flows NE.
17.54	Same creek flows W.
19.17	Same creek flows NE.
19.97	Same creek flows NW.
21.98	Fence corner bears E., 2 lks. dist., from which fences bear NE. and SE.
22.00	To Cor. No. 6, identical with Cor. No. 1 of the listing survey, which is a boulder, firmly set, mkd. and witnessed as described by the Surveyor General, and Cor. No. 8 of H. E. S. No. 91 (unapproved), which is a sandstone, firmly set, mkd. 8-HES-91 on the NE. face and a cross (x) on top and properly witnessed by two bearing trees and a mound of stone. I destroy the listing corner which was located alongside to the SE. of the above cor., and mk. the last described stone 6-HES-112 on the SE. face; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 10 ins. in dia., bears S. 19° 04' W., 22 lks. dist.

Chains

A blue spruce, 12 ins. in dia., bears N. 70° 28' W., 37 lks. dist.

Both trees blazed and scribed X-6-HES-112-BT.

I destroy the witnesses for the listing corner.

Thence

N. 77° 14' E.

Over level land, through sagebrush, on a true line between Cors. Nos. 8 and 7 of H. E. S. No. 91 (unapproved).

Fence parallel to course bears S., 2 lks. dist.

3.00 Road bears NW. and SE.

9.62 To Cor. No. 1, the place of beginning.

August 26, 1916.

AREA

Area of H. E. Survey No. 112: 135.51 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A log house, 14 x 22 ft., course of long sides N. and S., the NW. cor. of which bears from Cor. No. 5, N. 24° 00' E., 7.00 chs. dist. Value $150.00

A log cabin, 14 x 17 ft., course of long sides N. and S., the NW. cor. of which bears from Cor. No. 5, N. 34° 00' E., 6.00 chs. dist. Value $ 75.00

Lumber chicken coop, 10 x 10 ft., course of long sides N., S., E., and W., the NW. cor. of which bears from Cor. No. 5, N. 23° 00' E., 8.00 chs. dist. Value $ 25.00

Total value of improvements. $250.00

Form 85.
Sheet No. 2. 8.

HOMESTEAD ENTRY SURVEY NO. 112

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	DESCRIPTION
	This claim is located on Clay Creek, about 6 miles due south of Winder, Utah, the nearest postoffice, and about 60 miles southeast of Marysvale, the nearest railroad point. The tract is made up of bottom and gently sloping sidehill land along Clay Creek, which flows through the tract. The soil on the lower portion of the claim is a heavy loam, while that on the upper portion borders on a heavy gumbo. About 10,000 ft. of yellow pine upon this tract. No presence or indications of mineral. About 23 acres under cultivation. This claim is adjoined on the north by H. E. Survey No. 91 (unapproved). approved
	It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.
	August 26, 1916.
	C. L. Garner Forest Examiner.

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.

8—2340

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 112, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
1 - 2	S. 53° 32' E.	82.16		48 84 48 83	66 06 66 07		84 82		4142 61	
2 - 3	S. 9° 50' W.	10.96		10 80		1 87	149 01		1609 31	
3 - 4	N. 75° 50' W.	21.93	5 37			21 26	125 88	675 98		
4 - 5	N. 50° 43' W.	52.73	33 38 33 39			40 81	63 81	2129 98		
5 - 6	N. 31° 30' W.	22.00	18 76			11 50	11 50	215 74		
6 - 1	N. 77° 14' E.	9.62	2 13		9 38		9 38	19 98		
		199.40	59 65	59 63	75 45	75 44		3041 68	5751 92	
			59 63		75 44				3041 68	
		Errors	02		01				20)2710 24	
								Area	135 51	Acres.
			59 64	59 64	75 44	75 44				

Error of closure = $\frac{1}{8917}$

567

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917.

The foregoing field notes of Homestead Entry Survey No. 112, situated in the Powell National Forest, in Secs. 13, 14, 23, 24, Township No. 35 South, Range No. 2 West, of the Salt Lake Base and Meridian, Utah; Elijah G. Goulding, claimant;

executed by R.D.Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 13, 1916 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 83
Sheet No. 1
(Rev. July 1, 1914.)

671

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

SPH.

U. S. Surveyor General's Office
APR 17 1917
SALT LAKE CITY, UTAH

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 113

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 30, 31 & 32 unsurveyed, Township 34 S, Range 1 E.

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing John H. McInelly,

Residence Escalante, Utah.

Application No. 81, dated April 12, 1913

List No. 4-1402, dated April 9, 1914

Applicant for survey John H. McInelly,

Residence Escalante, Utah.

H. E. No. 013336, dated November 30, 1914

Land Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 13, 1916

Survey commenced August 27, 1916

Survey completed August 29, 1916

Under Acts of June 11, 1906 and August 11, 1916

1—2219

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 113, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Orlow H. Griffin
Wm Lynn
Harold Lubeck

Subscribed and sworn to before me this 29th day of August, 1916.

R D Garver
Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 13, 1916, 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, No. 4-1402, dated April 9, 1914, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 113, situated within the Powell National Forest, in unsurveyed Sections 30, 31, 32 Township 34 S., Range 1 E., and surveyed Section , Township , Range ,

of the Salt Lake Base meridian, Meridian, 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 D Garver
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 2d day of December, 1916.

Geo. W. Goshen
Notary Public

SEAL.

Commission expires Oct. 15, 1920

HOMESTEAD ENTRY SURVEY NO. 113

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

John H. McInelly, applicant for listing, Application No. 81, dated April 12, 1913.

John H. McInelly, entryman, H. E. No. 013336, Salt Lake Land Office, dated November 30, 1914.

Special Instructions dated May 13, 1916, for H. E. Survey No. 113.

Claim situated in unsurveyed Sections 30, 31 and 32, Township 34 South, Range 1 East, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906 and August 11, 1916.

Survey commenced on August 27, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

August 27, 1916: At Cor. No. 4 of this survey, at 6 h. 48 M., P. M., l.m.t., I foresight on a reference stake, firmly set, centered with a tack, 5.00 chs. dist. from my station, and turn 270° 42' to the right to Polaris in position.

Latitude = 37° 50' N.) By account from
Longitude = 111° 53' W.) surveyed lines.

U. C. Polaris, August 28, 1916, 3 h. 6.6 m., A. M.,
Longitude correction - - - - - 1.2 m.
L.m.t., U. C. Polaris - - - - - 3 h. 5.4 m., A. M.

2.

HOMESTEAD ENTRY SURVEY NO. 113,

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

L.m.t. obsn., August 27, 1916, 6 h. 48 m., P. M.
Subtract from - - - - - - - - 12 h.
Time to midnight - - - - - - - - 5 h. 12 m.
Add - - - - - - - - - - - - - - 3 h. 5.4 m.
Argument - - - - - - - - - - - - 8 h. 17.4 m.
Azimuth of Polaris = N. 1° 10' 30" E.
Bearing of reference = S. 89° 31' 30" E.

August 27, 1916: Using the same station and reference as above, at 8 h. 0 m., P. M., l.m.t., I turn 270° 54' to the right to Polaris in position. Latitude and longitude previously stated.

U. C. Polaris, August 28, 1916, 3 h. 6.6 m., A. M.
Longitude correction - - - - - 1.2 m.
L.m.t., U. C. Polaris - - - - 3 h. 5.4 m., A. M.

L.m.t., obsn., August 27, 1916, 8 h. 00 m., P. M.
Subtract from - - - - - - - - 12 h.
Time to midnight - - - - - - - 4 h. 00 m.
Add - - - - - - - - - - - - - 3 h. 5.4 m.
Argument - - - - - - - - - - - 7 h. 5.4 m.
Azimuth of Polaris = N. 1° 23' E.
Bearing of reference = S. 89° 31' E.

The mean of these two observations is S. 89° 31' 15" E, and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 15' E.

Retracement

Beginning at Cor. No. 8 of H.E.S. No. 58 (accepted), which is a limestone, firmly set, mkd. and witnessed as described by the Surveyor General, Cor. No. 9 being in sight, I run

HOMESTEAD ENTRY SURVEY NO. 113

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	Thence
	N. 23° 33' E.,
	On a true line between Cors. Nos. 8 and 9 of H.E.S. No. 58 (accepted).
9.69	Set temporary stake for Cor. No. 6 of this survey.
19.22	Strike Cor. No. 9 of H.E.S. No. 58 (accepted), which is an outcropping ledge, mkd. and witnessed as described by the Surveyor General.

BEGINNING AT COR. NO. 1 of this survey, for which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 3 x 2 x 3 ins., mkd. with a cross (x) for Cor. No. 1 of this survey; mkd. 1-HES-113 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A yellow pine, 8 ins. in diameter, bears N. 54° 43' E., 57 lks. dist.

A yellow pine, 6 ins. in diameter, bears S. 34° 42' W., 115 lks. dist.

Both trees blazed and scribed x-1-HES-113-BT.

Cor. No. 3 of the listing survey, which is a granite boulder, firmly set, mkd. as described by the Surveyor General bears N. 74° 33' W., 4.02 chs. dist. I destroy this corner.

The corner of Secs. 25, 30, 31 and 36, T. 34 S., R. 1 W. and R. 1 E. (Survey accepted), which is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 84° 24' W., 19.63 chs. dist., by traverse, computations of which are hereto attached.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 113

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains	Thence
	N. 35° 30' E.,
	Over level land, through scattering yellow pine.
4.00	Wash, 8 ft. wide, 10 ft. deep, course E.
	Ascend.
16.40	Point on the Sweet Water Telephone Line, about 100 ft. above point of ascent.
	Descend.
18.00	Leave yellow pine and enter oak and sagebrush, bears E. and W.
20.88	Birch Creek, about 100 ft. below point of descent, 5 lks. wide, 4 ins. deep, flows E.
	Over level land.
22.34	Old road bears NW. and SE.
23.75	To Cor. No. 2, for which I set a sandstone, 26 x 14 x 6 ins., 16 ins. in the ground, over a sandstone, 3 x 2 x 1 ins., mkd. with a cross (x), for Cor. No. 2 of this survey; mkd. 2-HES-113 on the side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 16 ins. in diameter, bears N. 54° 32' E., 103 lks. dist.
	A yellow pine, 26 ins. in diameter, bears S. 78° 26' E., 198 lks. dist.
	Both trees blazed and scribed x-2-HES-113-BT.
	Cor. No. 4 of the listing survey, which is a black boulder, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 35° 30' E., 90 lks. dist. I destroy this corner and its witnesses.

Chains	
	Thence
	S. 70° 05' E.,
	Over level land, through sagebrush.
0.40	Birch Creek, 4 lks. wide, 3 ins. deep, flows SE.
11.52	Marysvale-Escalante Road bears NW. and SE.
12.76	To Cor. No. 3, for which I set a sandstone, 26 x 12 x 10 ins., 16 ins. in the ground, over a sandstone, 4 x 3 x 3 ins., mkd. with a cross (+) for Cor. No. 3 of this survey; mkd. 3-HES-113 on the side facing the claim and a cross (+) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 16 ins. in dia., bears N. 48° 10' E., 75 lks. dist.
	A cedar, 12 ins. in diameter, bears N. 14° 10' E., 144 lks. dist.
	Both trees blazed and scribed +-3-HES-113-BT.
	Cor. No. 5 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 12° 40' W., 3.50 chs. dist. I destroy this cor. and its witnesses.
	Thence
	S.23° 26' E.,
	Descend gently over sagebrush.
1.72	Marysvale-Escalante Road bears E. and W.
9.97	Road bears E. and W.
16.44	Road bears E. and W.
18.60	To Cor. No. 4, about 20 ft. below Cor. No. 3, for which I set a sandstone, 30 x 10 x 5 ins., 20 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (+) for Cor. No. 4 of this

HOMESTEAD ENTRY SURVEY NO. 113

Powell NATIONAL FOREST

6.

STATE OF Utah.

Chains	
	survey; mkd. 4-HES-113 on the side facing the claim, and a cross (+) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. in dia., bears N. 77° 23' E., 52 lks. dist.
	A yellow pine, 20 ins. in dia., bears S. 73° 20' W., 52 lks. dist.
	Both trees blazed and scribed +-4-HES-113-BT.
	Cor. No. 6 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 66° 15' E., 140 lks. dist. I destroy this corner and its witnesses.
	Thence
	S. 62° 30' E.,
	Over level land, through sagebrush.
0.80	Touch bend in creek.
4.55	Birch Creek, 5 lks. wide, 4 ins. deep, flows SE.
10.00	To Cor. No. 5, for which I set a sandstone, 26 x 8 x 8 ins., 16 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (+) for Cor. No. 5 of this survey; mkd. 5-HES-113 on the side facing the claim and a cross (+) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 20 ins. in dia., bears S. 88° 47' W., 133 lks. dist.
	A juniper, 4 ins. in dia., bears S. 51° 20' E., 150 lks. dist.
	Both trees blazed and scribed +-5-HES-113-BT.
	August 28, 1916.

Chains	
	Thence
	S. 56° 50' E.,
	Over level land, through sagebrush and oak brush.
10.06	Birch Creek, 5 lks. wide, 6 ins. deep, course SE.
10.54	Marysvale-Escalante Road bears N. and S.
	Ascend.
	Leave sage and oak brush, and enter pinon and juniper, bears NW. and SE.
19.88	Summit of ridge, about 40 ft. above Birch Creek.
	Descend.
22.59	Marysvale-Escalante Road bears E. and W.
23.04	Birch Creek, 5 lks. wide, 6 ins. deep, flows SE., about 50 ft. below point of descent.
	Over level land.
24.59	Leave pinon and juniper, and enter cultivation, bears E. and W.
27.47	Leave cultivation, enter pinon and juniper, bears E. and W.
27.72	Birch Creek, 5 lks. wide, 6 ins. deep, flows S.
30.45	Marysvale-Escalante Road bears NW. and SE.
	Ascend.
36.00	Summit of ridge, about 25 ft. above point of ascent.
	Descend.
42.02	Marysvale-Escalante Road bears NW. and SE.
45.00	Fence bears NE. and SW.
45.12	To Cor. No. 6, about 35 ft. below point of descent, previously mkd. by temporary stake, in place of which I set a sandstone, 24 x 14 x 6 ins., 14 ins. in the ground, over a sandstone, 8 x 6 x 3 ins., mkd. with a cross (+), for Cor. No. 6 of this survey; mkd. 6-HES-113 on the side facing the claim, and a cross (+) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

Chains	
	A limestone ledge, showing 20 x 20 x 20 ft. above ground, mkd. +-6-HES-113-BR, bears N. 29° 51' E., 80 lks. dist.
	A cottonwood, 10 ins. in dia., blazed and scribed +-6-HES-113-BT, bears N. 74° 25' E., 100 lks. dist.
	Cor. No. 7 of the listing survey, which is a sandstone ledge, mkd. as described by the Surveyor General, bears N. 23° 33' E., 80 lks. dist. I destroy the markings for the listing survey.
	Cor. No. 9 of H. E. S. No. 58 (accepted), heretofore described, bears N. 23° 33' E., 9.53 chs. dist.
	Thence S. 23° 33' W.,
	Over level land, through sage and oak brush, on a true line bet. Corners 9 - 8 of H. E. S. No. 58 (accepted).
	Fence parallel to course bears N., 12 lks. dist.
0.94	Birch Creek, 5 lks. wide, 6 ins. deep, flows SE.
9.69	Strike Cor. No. 8 of H. E. S. No. 58 (accepted), heretofore described.
	Fence cor., from which fences bear N. 23° 33' E., and SE.
11.15	To Cor. No. 7, identical with Cor. No. 1 of the listing survey, which is a black boulder, firmly set, and mkd. as described by the Surveyor General, in place of which I set a red sandstone, 24 x 14 x 5 ins., 14 ins. in the ground, over a red sandstone, 5 x 4 x 3 ins., mkd. with a cross (+) for Cor. No. 7 of this survey; mkd. 7-HES-113 on the side facing the claim and a cross (+) on top. No bearings, thereforedig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding

Chains	
	course, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	Thence N. 55° 29' W.,
	Ascend gently through oak and sagebrush, and scattering yellow pine.
7.21	Old road bears N. and S.
16.10	Point on the Sweet Water Telephone Line.
20.07	Creek, 4 lks. wide, 3 ins. deep, flows SE.
25.77	Summit of ridge bears E. and W., about 50 ft. above Cor. No. 7.
	Descend.
61.00	Dry wash, course E., about 60 ft. below point of descent.
61.61	To Cor. No. 8, identical with Cor. No. 2 of the listing survey, which is a black boulder, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 5 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 8 of this survey; mkd. 8-HES-113 on the side facing the claim and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 20 ins. in diameter, bears N. 39° 18' W., 98 lks. dist.
	A yellow pine, 24 ins. in diameter, bears S. 20° 16' W., 116 lks. dist.
	Both trees blazed and scribed x-8-HES-113-BT.
	I destroy the witnesses for the listing corner.
	Thence N. 74° 33' W.
	Ascend gently through scattering yellow pine.

HOMESTEAD ENTRY SURVEY NO. 113

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains	
12.00	Wash drains SE.
25.50	To Cor. No. 1, about 60 ft. above Cor. No. 8, the place of beginning.

August 29, 1916.

Area

Area of H. E. S. No. 113: 110.25 Acres.

Traverse of Sweet Water Telephone line Constructed and Owned by the U. S. Government.

The above telephone line crosses this tract and is located by the following traverse:

Beginning at a point on line between Cors. Nos. 1 and 2, which bears S. 35° 30' E., 7.35 chs. dist. from Cor. No. 2, I run along the telephone line, thence S. 49° 36' E., 27.85 chs. dist. Thence S. 48° 27' E., 41.91 chs. dist. to a point of line between Cors. Nos. 7 and 8, where the telephone line leaves the claim, from which point, Cor. No. 7 of this survey bears S. 55° 29' E., 16.10 chs. dist.

Improvements

The improvements on this claim, the property of the claimant herein, consist of the following:

A tent house, 10 x 12 ft., course of long sides NW. and SE., the SW. cor. of which bears from Cor. No. 8, N. 26° 40' E., 6.00 chs.

Value $25.00

A pole corral, 100 ft. square, the center of which bears N. 6° 15' W., 5.00 chs. dist.

Value $25.00

Total Value of Improvements $50.00

HOMESTEAD ENTRY SURVEY NO. 113,

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains

Description

This claim is located on Birch Creek, about 15 miles northwest of Escalante, Utah, the nearest post-office, and about 75 miles southeast of Marysvale, the nearest railroad point. The tract is made up of sidehill and bottomland along Birch Creek and its tributaries. The soil is a heavy black loam in the bottoms and a rocky loam on the foothills. It is estimated that there are about 10,000 ft. of yellow pine timber upon this claim. No presence or indications of mineral. About 16 acres have been cultivated. This claim is adjoined on the SE. by H. E. Survey No. 58 (accepted).

The changes in boundary were made at the direct request of the claimant. The purpose of which was to eliminate the Marysvale-Escalante Road from the tract in question.

It being impracticable to take my assistants before an officer qualified to administer oaths without great inconvenience, delay, and expense, I administer myself the required affidavits of the assistants.

August 29, 1916.

R. L. Garner

Forest Examiner.

Form 83.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 113, STATE OF UTAH.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1-2	N. 35° 30' E.	23.75	19 33 ~~19 34~~		13 78 ~~13 79~~		13 78	266 37	
2-3	S. 70° 05' E.	12.76		4 36 ~~4 35~~	12 00		39 56		172 48
3-4	S. 23° 26' E.	18.60		17 08 ~~17 07~~	7 40		58 96		1007 04
4-5	S. 62° 30' E.	10.00		4 62	8 87		75 23		347 56
5-6	S. 56° 50' E.	45.12		24 70 ~~24 68~~	37 76 ~~37 77~~		121 86		3009 94
6-7	S. 23° 33' W.	11.15		10 23 ~~10 22~~		4 45	155 17		1587 39
7-8	N. 55° 29' W.	61.61	34 88 ~~34 91~~			50 77 ~~50 76~~	99 95	1348 26	
8-1	N. 74° 33' W.	25.50	6 78 ~~6 79~~			24 59 ~~24 58~~	24 59	166 72	
		208.49	61 04	60 94	79 83	79 79		3919 35	6124 41
			60 94		79 79				3919 35
		Errors	10		04				20) 2205 06
									110 25 Acres
			60 99	60 99	79 81	79 81			

Error of Closure = $\frac{1}{1936}$

585

Blank

Page

3. In calculations of latitudes 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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 113, STATE OF UTAH.

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
			Tie Line Cor. 1 to Cor. Secs. 25 30 / 36 31, T. 34 S., Rs. 1E & 1 W.						
	N. 74° 33' W.	4.02	1 07			3 87			
	S. 79° 02' W.	3.13		60		3 07			
	N. 69° 25' W.	5.92	2 08			5 54			
	S. 79° 15' W.	3.94		73		3 87			
	N. 88° 17' W.	3.19	10			3 19			
			3 25	1 33		19 54			
			1 33						
			1 92						
			Bearing of tie line = N. 84° 24' W. - 19.63 chs. dist.						

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Dec. 5, 1917

The foregoing field notes of Homestead Entry Survey No. 113, situated in the Powell National Forest, in sections 30, 31 and 32, unsurveyed, Township No. 34 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah; John H. McInelly, claimant;

executed by R. D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 13, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

L. O. Thorsen
U. S. Surveyor General.

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

8—2249

U. S. Surveyor General.

Blank

Page

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430 FOREST SERVICE

U. S. Surveyor General's Office
APR 18 1917
SALT LAKE CITY, UTAH

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 114

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 17, 18, unsurveyed, Township 34 S., Range 2 E.

of the

Salt Lake Base and Meridian.

State of Utah.

Applicant for listing W. E. Wooley

Residence Escalante, Utah

Application No. 88 , dated October 18 , 1913

List No. 4-1393 , dated March 13 , 1914

Applicant for survey W. E. Wooley

Residence Escalante, Utah

H. E. No. 015584 , dated August 3 , 1915

Land ~~District~~ Office Salt Lake.

Survey executed by R. D. Carver, Forest Examiner. (Forest Service Title.)

Under special instructions dated May 13 , 1916

Survey commenced September 5 , 1916

Survey completed September 6 , 1916

Under Acts of June 11, 1906, and August 11, 1916.

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 114, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Lynn (Chainman)
Harold Lubeck (Chainman)

Subscribed and sworn to before me this 6th. day of September, 1916.

R D Garver
Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 13, 1916, 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, No. 4-1393, dated March 13, 1914, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 114, situated within the Powell National Forest, in unsurveyed Section 17, Township 34 S., Range 2 E., and unsurveyed Section 18, Township 34 S., Range 2 E.,

of the Salt Lake Base and meridian, Utah, 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 D Garver
~~Forest Examiner.~~ [Forest Service Title.]

Subscribed and sworn to before me this 2d day of December, 1916.

Geo. W. Goshen
Notary Public

SEAL.

8—2349

Commission expires Oct. 19, 19--

Chains

W. E. Wooley, applicant for listing, Application No. 88, dated October 18, 1913.

W. E. Wooley, entryman, H. E. No. 015584, dated August 3, 1915.

Special instructions dated May 13, 1916, for H. E. Survey No. 114.

Claim situated in Sections 17 and 18, unsurveyed, Township 34 South, Range 2 East, of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced on September 5, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

September 5, 1916, at Cor. No. 5 of this survey, at 7 h. 25 m., p.m., l.m.t., I foresight on a reference stake, firmly set, and centered with a tack, 5.00 chs. dist. from my station, and turn 91° 23' 30" to the right to Polaris in position.

Latitude = 37° 51' 30" N. : By account from surveyed
Longitude = 111° 45' 30" W. : section lines.

U. C. Polaris, September 6, 1916, 2 h. 31.4 m., a.m.
Longitude correction 1.2 m.
L.m.t., U. C. Polaris 2 h. 30.2 m., a.m.

HOMESTEAD ENTRY SURVEY NO. 114

POWELL NATIONAL FOREST

STATE OF UTAH.

Chains

L.m.t., obsn., September 5, 1916, 7 h. 25 m., p.m.

Subtract from 12 h.

Time to midnight 4 h. 35 m.

Add 2 h. 30.2 m.

Argument 7 h. 05.2 m.

Azimuth of Polaris = N. 1° 22' 30" E.

Bearing of reference stake = S. 89° 59' W.

September 5, 1916, using same station and reference as above, at 7 h. 38 m., p.m., l.m.t., I turn 91° 25' to the right to Polaris in position.

Latitude and longitude previously stated.

U. C. Polaris, September 6, 1916, 2 h. 31.4 m., a.m.

Longitude correction, 1.2 m.

L. m. t., U. C. Polaris, 2 h. 30.2 m., a.m.

L. m. t., obsn, September 5, 1916, 7 h. 38 m., p.m.

Subtract from 12 h.

Time to midnight 4 h. 22 m.

Add 2 h. 30.2 m.

Argument 6 h. 52.2 m.

Azimuth of Polaris = N. 1° 24' E.

Bearing of reference stake = S. 89° 59' W.

The mean of these two observations is S. 85° 59' W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 36' E.

RETRACEMENT

Beginning at the ¼ cor. between Secs. 17 and 20 (survey accepted), T. 34 S., R. 2 E., which is

Chains	
	a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General; I run
	Thence
	S. 89° 59' W.
	On a random line between Secs. 17 and 20.
11.67	Set temporary stake for Cor. No. 5 of this survey.
36.13	Strike "line tree" mentioned in notes of the General Land Office.
39.88	Strike the cor. of Secs. 17, 18, 19, and 20 (survey accepted), T. 34 S., R. 2 E., which is an iron post, firmly set, mkd. and witnessed as described by the Surveyor General.
	This, therefore, is seen to be a true line.

	BEGINNING AT COR. NO. 1 of this survey, identical with Cor. No. 1 of the listing survey, and the cor. of Secs. 17, 18, 19, and 20, T. 34 S., R. 2 E. (survey accepted), heretofore described; I consider the cross on the iron post the initial chaining and angle point and Cor. No. 1 of this survey, and alongside to the NE. I mark a boulder in place, showing 4 x 3 x 2 ft. above ground, 1-HES-114 on the NE. face.
	Thence
	N. 9° 41' E.
	Across level sage flat.
16.00	Begin abrupt ascent.
19.76	To Cor. No. 2, about 50 ft. above point of ascent, identical with Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 26 x 20 x 8 ins., 10 ins. in the ground to bedrock and surround with a mound of stone, over a sandstone, 6 x 5 x 3 ins.,

Chains	
	mkd. with a cross (x) for Cor. No. 2 of this survey and raise a mound of stone, 4 ft. base, 2 ft. high 3½ ft. dist., within the claim.
	A pinyon, 8 ins. in diameter, bears S. 52° 06' E., 8 lks. dist.
	A pinyon, 7 ins. in diameter, bears N. 84° 25' W., 13 lks. dist.
	Both trees blazed and scribed X-2-HES-114-BT.
	I destroy the witnesses for the listing cor.
	Thence
	N. 9° 28' W.
	Along broken hillside, through scattering pinyon and juniper.
8.46	Leave pinyon and juniper, enter sagebrush, bears E. and W.
12.56	Leave sage, enter pinyon and juniper, bears E. and W.
21.94	Wash, 50 lks. wide, 20 ft. deep, course SE.
22.67	Spring drains SW.
24.23	Spring drains SW.
59.76	To Cor. No. 3, identical with Cor. No. 3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x) for Cor. No. 3 of this survey; mkd. 3-HES-114 on the side facing the claim and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 8 ins. in diameter, bears S. 33° 31' W., 15 lks. dist.
	A cedar, 7 ins. in diameter, bears S. 51° 33' E., 30 lks. dist.
	Both trees blazed and scribed x-3-HES-114-BT.

Chains	
	I destroy the witnesses for the listing corner.
	September 5, 1916.
	Thence
	S. 89° 28' E.
	Across level canyon bottom, through timber.
2.00	Leave timber, enter sage, bears N. and S.
4.00	Leave sage, enter cultivation, bears N. and S.
4.77	Leave cultivation, enter sage, bears N. and S.
11.41	To Cor. No. 4, identical with Cor. No. 4 of the listing survey, which is a sandstone ledge, about 30 ft. high, mkd. and witnessed as described by the Surveyor General. I deface the markings for the listing survey and mark this same ledge x-4-HES-114 on the SW. face about 4 ft. from the ground; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist. within the claim.
	A pinyon, 10 ins. in diameter, bears S. 59° 09' W., 36 lks. dist.
	A pinyon, 10 ins. in diameter, bears S. 26° 01' W., 71 lks. dist.
	Both trees blazed and scribed x-4-HES-114-BT.
	I destroy the witnesses for the listing corner.
	Thence
	S. 16° 37' E.
	Descend gently over precipitous cliffs, through scattering pinyon and juniper.
27.58	Drift fence bears NE. and SW.
81.75	To Cor. No. 5, about 50 ft. below Cor. No. 4, previously mkd. by temporary stake, in place of which I set a basalt stone, 24 x 10 x 10 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., for closing cor. and Cor. No. 5 of this survey; mkd. cc on the NW. face, 5-HES-114 on the side facing

Chains	
	the claim, and a cross (x) on top, on line betwee Secs. 17 and 20, T. 34 S., R. 2 E. (survey accept and dig a pit, 30 x 24 x 12 ins., crosswise on th section line, N. 89° 59' E., 3 ft. dist., and dig a pit, 24 x 18 x 12 ins., on the closing line, N. 16° 37' W., 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, on the closing line N. 16° 37' W., 3½ ft. dist.
	A cedar, 10 ins. in diameter, blazed and scribed x-5-HES-114-CC-BT, bears S. 15° 42' W., 58 lks. dist.
	No other bearing objects available.
	The ¼ cor. between Secs. 17 and 20, T. 34 S., R. 2 E., (survey accepted) heretofore described, bears N. 89° 59' E., 11.67 chs. dist.
	Cor. No. 5 of the listing survey, which is a black granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, bears S. 1 lk. dist. I destroy this cor. and its witness.
	Thence
	S. 89° 59' W.,
	Over level land, through sage, on a true line between Secs. 17 and 20.
4.37	Road bears N. and S.
5.00	Dry wash drains S.
13.56	Leave sage, enter timber, bears N. and S.
28.21	To Cor. No. 1, the place of beginning.

September 6, 1916.

AREA

Area of H. E. Survey No. 114: 135.89 acres.

Chains

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

About 12.00 chs. of drift fence, Value $12.00

DESCRIPTION

This claim is located on a tributary to North Creek, about 15 miles northwest of Escalante, Utah, the nearest postoffice, and about 75 miles southeast of Marysvale, the nearest railroad point. The tract may be reached by a passable wagon road. This claim is made up of level bottom land, which is bordered on nearly every side by precipitous walls. The soil is very sandy and washes badly. The claim is fringed on the east and west by scrubby pinyon and juniper, which is of no commercial value. No presence or indications of mineral. About 5 acres have been cultivated. There are no adjoining or nearby claims.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay, and expense, I administer, myself, the required affidavit of the assistants.

September 6, 1916.

R. A. Garner

Forest Examiner.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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

8—2249

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 114, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	N. 9° 41' E.	19.76	19 48		3 ~~31~~ 3 32		16 39	319 28	
2 - 3	N. 9° 28' W.	59.76	~~58 96~~ 58 95			~~9 85~~ 9 83	9 85	580 76	
3 - 4	S. 89° 28' E.	11.41		~~78 33~~ 78 34	11 41		11 41		1 26
4 - 5	S. 16° 37' E.	81.75			~~23 33~~ 23 38		46 17		3616 50
5 - 1	S. 89° 59' W.	28.21		~~00~~ 01		~~28 22~~ 28 21	41 30		
		200.89	78 43	78 46	38 11	38 04		900 04	3617 76
				78 43	38 04				900 04
			Errors	03	07				20)2717 72
			78 44	78 44	38 07	38 07		Area	135 89 Acres

Error of closure - $\frac{1}{2638}$

60

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 22, 1917.

The foregoing field notes of Homestead Entry Survey No. 114, situated in the Powell National Forest, in sections 17 and 18, unsurveyed Township No. 34 South, Range No. 2 East of the Salt Lake Base and Meridian, Utah, W. E. Wooley, claimant,

executed by — R. D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated — May 13 —, 1916, 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 , has been correctly copied from the original notes on file in this office.

6—2349

U. S. Surveyor General.

Blank

Page

Form 85
(Sheet No. 1
Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430

FOREST SERVICE

FIELD NOTES

OF V.L.F.

HOMESTEAD ENTRY SURVEY NO. 115

SITUATED IN THE La Sal NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 1 , surveyed, Township 27 S., Range 23 E.

of the

Salt Lake Base & Meridian.

State of Utah

Applicant for listing Walter J. Winbourn,

Residence Moab, Utah.

Application No. 24, dated February 8, 1911.

List No. 4-1193, dated June 10, 1913.

Applicant for listing George W. Hurley,

Residence Moab, Utah

Application No. 84 , dated July 1 , 19 15

List No. 4-1814 , dated August 12 , 19 15

Applicant for survey George W. Hurley,

Residence Moab, Utah

H. E. No. 012784 , dated June 25 , 19 14

Land ~~District~~ office Salt Lake.

Survey executed by W. B. Rice, Forest Examiner [Forest Service Title.]

Under special instructions dated May 24 , 19 16

Survey commenced September 29 , 19 16

Survey completed October 2 , 19 16

Under Acts of June 11, 1906; August 11, 1916.

8—2349

BOOK 4-430

OATH OF ASSISTANTS

We hereby certify that we assisted W. B. Rice, Forest Examiner [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 115, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah

P. H. King (Chainman)
E. W. Hurley (Axeman)
Earl Leech (Axeman)

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

W. B. Rice.
Forest Examiner.

OATH OF SURVEYOR

I, W. B. Rice, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 24, 1916, 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 No. 4-1193, dated June 10, 1913, and embraced in List

, No. 4-1814, dated Aug. 12, 1915, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 115, situated within the La Sal National Forest, in surveyed Section 1, Township 27 S., Range 23 E., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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.

W. B. Rice.
Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 9th day of November, 1916.

SEAL

Geo. W. Goshen
Notary Public.

Chains

Walter J. Winbourn, applicant for listing, application No. 24, dated February 8, 1911.

Geo. W. Hurley, applicant for listing, application No. 84, dated July 1, 1915.

Geo. W. Hurley, entryman, H. E. 012784, dated June 25, 1914, Salt Lake Land Office.

Special Instructions dated May 24, 1916, for H. E. Survey No. 115.

Claim situated in Section 1, surveyed, sur-veyed Township 27 South, Range 23 East (survey accepted), of the Salt Lake Base and Meridian, Utah, in the La Sal National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced September 29, 1916, and executed with a Buff and Buff Light Mountain Transit, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

September 29, 1916, at Cor. No. 4 of this survey, at 7 h. 00 m., P. M., l.m.t., I observe the eastern progress of Polaris. When the star begins to recede I mark the maximum position in azimuth upon the ground, by a stake, firmly set and centered with a tack, 5.00 chs. dist., from my station.

Latitude = 38° 29' 30" N.

Longitude = 109° 22' 30" W.

Chains

September 30, 1916, I lay off the azimuth of Polaris 1° 27' 20" to the W., and mark the meridian thus determined by a stake, firmly set and centered with a tack 5.00 chs. dist., from my station, to which meridian all courses of this survey are referred.

October 1, 1916, at Cor. No. 10 of this survey, at 6 h 50 m., P. M., l.m.t., I foresight on Cor. No. 11 of this survey with plates at 0° and begin to observe the eastern progress of Polaris. When the star begins to recede, I read a maximum angle of 181° 28' to the right.

The bearing of line 10-11 thus determined is S. 0° 00' 40" E., and varies by 40" from the bearing of the same line as determined by angulation from the meridian previously described. I therefore conclude that the meridian obtained at Cor. No. 4 is correct.

Mean Magnetic Declination = 15° 25' E.

BEGINNING AT COR. NO. 1 of this survey, I set a quartzite stone, 24 x 9 x 6 ins., 14 ins. in the ground over a sandstone, 3 x 3 x 2 ins., mkd. with a cross (+), for Cor. No. 1 of this survey, mkd. 1-HES-115 on side facing the claim, with a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A pinon tree, 10 ins. in dia., mkd. +-1-HES-115-BT, bears S. 81° 24' W., 40 lks. dist.

A pinon tree, 9 ins. in dia., blazed and scribed +-1-HES-115-BT, bears S. 32° 06' E., 13 lks. dist.

Chains	
	The cor. of Secs. 1, 6, 7 and 12, T. 27 S., Rgs. 23. and 24 E. (survey accepted), which is an iron post with brass cap, firmly set and properly mkd. and witnessed by four properly mkd. bearing trees, bears S. 63° 26' E., 11.18 chs. dist., by direct measurement.
	Thence
	West,
	Along south boundary of List No. 4-1814.
	Through dense pinon and juniper.
	Descend.
10.00	Leave List No. 4-1814, enter List No. 4-1193.
20.00	To Cor. No. 2, about 75 ft. below Cor. No. 1, for which I set a quartzite stone, 25 x 9 x 6 ins., 15 ins. in the ground, over a sandstone, 6 x 5 x 2 ins., mkd. with a cross (+), for Cor. No. 2 of this survey, mkd. 2-HES-115 on the side facing the claim, and a cross (+) on top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon tree, 12 ins. in dia., blazed and scribed +-2-HES-115-BT, bears S. 69° 10' W., 19 lks. dist.
	A pinon tree, 10 ins. in dia., blazed and scribed +-2-HES-115-BT, bears S. 8° 28' E., 29 lks. dist.
	Thence
	North,
	Ascend through dense pinon and juniper.
2.77	About 10 ft. above Cor. No. 2.
	Descend.
7.75	About 20 ft. below point of descent.
	Ascend.

HOMESTEAD ENTRY SURVEY NO. 115

La Sal NATIONAL FOREST

STATE OF Utah.

Chains	
9.25	About 20 ft. above point of ascent.
	Over level land.
13.50	Leave pinon and juniper, enter sagebrush, bears E. and W.
15.00	To Cor. No. 3, for which I set a quartzite stone, 26 x 10 x 3 ins., 16 ins in the ground over a quartzite stone, 3 x 2 x 2 ins., mkd. with a cross (+), for Cor. No. 3 of this survey, mkd. 3-HES-115 on side facing the claim, and a cross (+) on top, and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon tree, 10 ins. in dia., blazed and scribed +-3-HES-115-BT, bears N. 54° 13' W., 171 lks. dist.
	A cedar tree, 8 ins. in dia., blazed and scribed +-3-HES-115-BT, bears S. 44° 05' W., 109 lks. dist.
	September 30, 1916.
	Thence West,
	Over level sagebrush land.
1.00	Leave sagebrush, enter dense pinon and juniper, bears N. and S.
5.00	Ascend.
6.25	About 12 ft. above point of ascent.
	Descend.
15.00	Leave List No. 4-1193, and enter List No. 4-1814.
	About 50 ft. below point of descent.
	Over level land.
20.00	To Cor. No. 4, for which I set a sandstone, 26 x 9 x 7 ins., 16 ins. in the ground, over a sandstone, 3 x 2 x 2 ins., mkd. with a cross (+), for Cor. No. 4 of this survey, mkd. 4-HES-115 on side fac-

Chains	
	ing the claim and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 10 ins. in dia., blazed and scribed +-4-HES-115-BT, bears S. 1° 17' E., 61 lks. dist.
	A cedar, 12 ins. in dia., blazed and scribed +-4-HES-115-BT, bears S. 54° 20' E., 67 lks. dist.
	Thence North,
	Through dense pinon and juniper.
	Ascend.
1.70	About 12 ft. above Cor. No. 4, over level land.
5.00	To Cor. No. 5, for which I set a sandstone, 25 x 13 x 6 ins., 15 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (+), for Cor. No. 5 of this survey, mkd. 5-HES-115 on side facing the claim and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 20 ins. in dia., blazed and scribed +-5-HES-115-BT, bears N. 31° 57' W., 54 lks. dist.
	A pinon, 8 ins. in dia., blazed and scribed +-5-HES-115-BT, bears S. 15° 09' W., 30 lks. dist.
	Thence West,
	Over level land, through dense pinon and juniper.
1.00	Descend.
6.00	About 65 ft. below point of descent.
	Ascend.
10.50	About 45 ft. above point of ascent.
	Descend.

HOMESTEAD ENTRY SURVEY NO. 115

6. La Sal NATIONAL FOREST

STATE OF Utah.

Chains	
13.50	About 12 ft. below point of descent.
	Over level land.
20.00	To Cor. No. 6, which falls on an outcropping sandstone ledge, showing 6 ins. above ground. I mark the ledge +-6-HES-115 for Cor. No. 6 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high 3½ ft. dist., within the claim.
	A juniper, 9 ins. in dia., blazed and scribed +-6-HES-115-BT, bears S. 34° 43' W., 25 lks. dist.
	A pinon, 6 ins. in dia., blazed and scribed +-6-HES-115-BT, bears N. 31° 50' E., 42 lks. dist.
	Thence North,
	Over level land, through dense pinon and juniper.
17.50	Moab-Brumley Road bears E. and W.
19.09	To the edge of Mill Creek Canyon, 1,000 ft. deep, precipitous slopes making the cor. point inaccessible. At this point I set a sandstone, 24 x 16 x 8 ins. on bedrock supported by a mound of stone, with a cross (+) on top, and mkd. WC-7 HES-115 on E. face, for a witness cor. to Cor. No. 7 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, S. 3½ ft. dist.
	A juniper, 20 ins. in dia., blazed and scribed +-WC-7-HES-115-BT bears S. 27° 55' E., 26 lks. dist.
	A pinon, 8 ins. in dia., blazed and scribed +-WC-7-HES-115-BT, bears N. 30° 00' E., 19 lks. dist.
25.00	True point for true Cor. No. 7 in Mill Creek Canyon, and not set.
	From above W. C. Cor. offset
	Thence East,
9.35	To a point.

Chains

Thence

North

5.91 To a point on line 7-8, 9.35 chains.

East of the true point for Cor. No. 7. Set a quartzite stone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 5 x 3 x 2 ins., mkd. with a cross (+), for a witness cor. to Cor. No. 7 of this survey, mkd. WC-7-HES-115 on the W. face, and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, on line, E. 3½ ft. dist.

Thence

East

Counting distance from true point for Cor. No. 7.

Ascend through dense pinon and juniper.

30.00 To Cor. No. 8, about 150 ft. above point of ascent, for which I set a sandstone, 24 x 6 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 4 x 3 ins., mkd. with a cross (+), for Cor. No. 8 of this survey, mkd. 8-HES-115 on side facing the claim, and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A cedar, 12 ins. in dia., blazed and scribed +-8-HES-115-BT, bears N. 67° 25' E., 29 lks. dist.

A pinon, 8 ins. in dia., blazed and scribed +-8-HES-115-BT, bears S. 31° 52' W., 30 lks. dist.

Thence

South,

Descend through dense pinon and juniper.

5.00 Leave List No. 4-1814 and enter List No. 4-1193.

9.50 Moab-Brumley Road bears NE. and SW.

9.99 To Cor. No. 9, about 50 ft. below Cor. No. 8, for which I set a quartzite stone, 24 x 10 x 6 ins., 14 ins.

Chains	
	in the ground, over a quartzite stone, 3 x 3 x 2 ins., mkd. with a cross (+), for Cor. No. 9 of this survey, mkd. 9-HES-115 on side facing the claim, and a cross (+) on the top, and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. in dia., blazed and scribed +-9-HES-115-BT, bears N. 67° 41' E., 48 lks. dist.
	A pinon, 9 ins. in dia., blazed and scribed +-9-HES-115-BT, bears S. 67° 00' E., 18 lks. dist.
	October 1, 1916.
	Thence
	East,
	Ascend through dense pinon and juniper.
0.66	Fence bears NE. and SW.
2.50	Leave pinon and juniper, enter cultivation, bears NE. and SW.
9.35	Moab-Brumley Road bears NW. and SE.
9.71	Fence bears NW. and SE.
	Leave cultivation, enter dense pinon and juniper, bears NW. and SE.
16.50	About 80 ft. above Cor. No. 9; over level land.
19.98	To Cor. No. 10, for which I set a sandstone, 26 x 10 x 6 ins., 16 ins. in the ground, over a sandstone, 6 x 2 x 2 ins., mkd. with a cross (+), for Cor. No. 10 of this survey, mkd. 10-HES-115 on side facing the claim, and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A juniper, 10 ins. in dia., blazed and scribed +-10-HES-115-BT, bears N. 41° 01' E., 33 lks. dist.
	A pinon, 7 ins. in dia., blazed and scribed +-10-HES-115-BT, bears S. 15° 01' W., 11 lks. dist.

Chains	
	Thence South.
	Descend through dense pinon and juniper.
5.00	About 20 ft. below Cor. No. 10, over level land.
10.00	To Cor. No. 11, for which I set a sandstone, 32 x 8 x 7 ins., 22 ins. in the ground, over a sandstone, 7 x 4 x 3 ins., mkd. with a cross (+), for Cor. No. 11 of this survey, mkd. 11-HES-115 on side facing the claim, and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 8 ins. in dia., blazed and scribed +-11-HES-115-BT, bears S. 67' 03' E., 25 lks. dist.
	A juniper, 14 ins. in dia., blazed and scribed +-11-HES-115-BT, bears N. 57' 40' W., 37 lks. dist.
	Thence East,
	Ascend through dense pinon and juniper.
1.00	About 10 ft. above Cor. No. 11.
	Descend.
6.00	Leave pinon and juniper, enter oak brush.
	About 15 ft. below point of descent.
	Ascend.
10.00	To Cor. No. 12, about 25 ft. above point of ascent, for which I set a quartzite stone, 30 x 12 x 3 ins., 20 ins. in the ground, over a quartzite stone, 4 x 3 x 2 ins., mkd. with a cross (+), for Cor. No. 12 of this survey, mkd. 12-HES-115 on side facing the claim, and a cross (+) on the top, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 10 ins. in dia., blazed and scribed +-12-HES-115-BT, bears N. 23° 20' E., 73 lks. dist.
	A pinon, 12 ins. in dia., blazed and scribed +-12-HES-115-BT, bears N. 19° 03' W., 135 lks. dist.

Chains	
	Thence
	South,
	Ascend through oak brush
3.40	About 20 ft. above Cor. No. 12.
	Leave oak brush, enter dense pinon and juniper.
	Over level land.
10.00	Descend.
20.00	Leave List No. 4-1193 and enter List No. 4-1814.
25.00	To Cor. No. 1, the place of beginning, about 75 ft. below point of descent.

October 2, 1916.

AREA

Total area of H. E. Survey No. 115 = 159.99 acres.

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A frame house, 14 x 20 ft., course of long sides E. and W., the NW. cor. of which bears from Cor. No. 9 of this survey, S. 74° 40' E., 11.40 chs. dist. Value $200.

A log and frame store house, 10 x 12 ft., course of long sides N. and S., the NW. cor. of which bears from Cor. No. 9 of this survey, S. 78° 30' E., 11.80 chs. dist. Value 25.

A frame stable, 14 x 30 ft., course of long sides E. and W., the NW. cor. of which bears from Cor. No. 9 of this survey, S. 79° 30' E., 12.05 chs. dist. Value 100.

About ½ mile of 4-wire fence. Value 75.

Total value of improvements $ 400.

DESCRIPTION

This claim lies on a mesa covered with a dense stand of pinon and juniper. Several open tracts are

Chains

included within the claim, one of which, about 10 acres in extent, the claimant has put under cultivation. There is no water available for irrigation on the claim. The soil is residual from the decomposition of sandstone. Moab, Utah, the nearest settlement, lies about 18 miles to the NW. Part of the claim has been staked out for uranium at various times but claimant states that these claims have lapsed for lack of assessment work and he desired survey to proceed without regard to them. A large part of the claim is covered with a dense stand of pinon and juniper of very little commercial value. No adjoining or nearby claims, except those already mentioned.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

Survey completed October 2, 1916.

W. B. Rice.

Forest Examiner.

618

Form 85.
Sheet No. 2.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Blank

Page

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.

8—2349

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 115, STATE OF Utah

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
1 - 2	West	20.00				20 00	100 00		
2 - 3	North	15.00	15 00				80 00	1200 00	
3 - 4	West	20.00				20 00	60 00		
4 - 5	North	5.00	5 00				40 00	200 00	
5 - 6	West	20.00				20 00	20 00		
6 - 7	North	25.00	25 00				01	25	
7 - 8	East	30.00			01 / 30 01 / 30 00		30 03		30
8 - 9	South	9.99		9 99			60 04		599 80
9 - 10	East	19.98			19 98		80 02		
10 - 11	South	10.00		10 00			100 00		1000 00
11 - 12	East	10.00			10 00		110 00		
12 - 1	South	25.00		25 00			120 00		3000 00
		209.97	45 00	44 99	59 98	60 00		1400 25	4600 10
			44 99			59 98			1400 25
	Errors:		01			02			20)3199 85
			45 00	45 00	60 00	60 00			Area 159 99 acres ✓ ok

Error of Closure = $\frac{1}{9390}$ ✓ ok

619

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, March 29, 1917

The foregoing field notes of Homestead Entry Survey No. 115, situated in the La Sal National Forest Administrative District No. 4 in Section 1, surveyed T. 27 S. R. 23 E., Salt Lake Base and Meridian, Utah.

George W. Hurley, Claimant;

executed by W. B. Rice, Forest Examiner,
[Forest Service Title.]
under his special instructions, dated May 24, 1916, 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 Utah, has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.

Blank

Page

Form 85
Sheet No. 1
(Rev. July 1, 1914.)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 116

SITUATED IN THE POWELL NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 3, unsurveyed, Township 34 S., Range 2 E.
" " 34, " " 33 S., " 2 E.

of the

Salt Lake Base and Meridian.

State of Utah

Applicant for listing William Chesnut

Residence Escalante, Utah.

Application No. 100, dated Aug. 22, 19 14

List No. 4-1754, dated May 27, 19 15

Applicant for survey William Chesnut

Residence Escalante, Utah

H. E. No. 016172, dated Oct. 20, 19 15

Land ~~xxxxxxx~~ Office Salt Lake

Survey executed by R. D. Carver, Forest Examiner (Forest Service Title.)

Under special instructions dated May 13, 19 16

Survey commenced Sept. 9, 19 16

Survey completed Sept. 10, 19 16

Under Acts of June 11, 1906; August 11, 1916

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 116, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Chesnut
Wm Lynn
Harold Lubeck
Loren Shurd

Subscribed and sworn to before me this 10th day of September, 1916.

R D Garver
Forest Examiner

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 13, 1916, 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, No. 4-1754, dated May 27, 1915, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 116, situated within the Powell National Forest, in unsurveyed Section 3, Township 34 S., Range 2 E., and unsurveyed Section 34, Township 33 S., Range 2 E.,

of the Salt Lake Base and meridian, Utah, 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 D Garver
Forest Examiner [Forest Service Title.]

Subscribed and sworn to before me this 2d day of December, 1916.

Geo. W. Goshen
Notary Public

SEAL

Chains

Wm. Chesnut, applicant for listing, Application No. 100, dated August 22, 1914.

Wm. Chesnut, entryman, H. E. No. 016172, Salt Lake, dated October 20, 1915.

Special instructions dated May 13, 1916, for H. E. Survey No. 116.

This claim is located in unsurveyed Sections 3 and 34, Townships 33 and 34 South, Range 2 East (unsurveyed), of the Salt Lake Base and Meridian, Utah, in the Powell National Forest.

Survey commenced on September 9, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

September 9, 1916: At Cor. No. 1 of this survey, at 6 h. 22 m., P. M., l. m. t., I foresight on a reference stake, firmly set, and centered with a tack, 5.00 chs. dist., from my station, and turn 224° 42' to the right to Polaris in position.

Latitude = 37° 54' N. : By account from sur-
Longitude = 111° 43' 30" W. : veyed lines.

U. C. Polaris, September 10, 1916,	2 h. 15.7 m.,	A.M.
Longitude correction	1.2 m.	
L. m. t., U. C. Polaris	2 h. 14.5 m.,	A.M.

Form 85. Sheet No. 2. 2.

HOMESTEAD ENTRY SURVEY NO. 116

POWELL NATIONAL FOREST

STATE OF UTAH

Chains

L. m. t. obsn., September 9, 1916, 6 h. 22 m., P. M.

Subtract from	12 h.
Time to midnight	5 h. 38 m.
Add	2 h. 14.5 m.
Argument	7 h. 52.2 m.

Azimuth of Polaris = N. 1° 16' E.

Bearing of reference = S. 43° 26' E.

September 9, 1916; using the same station and reference as above, at 8 h. 05 m., P. M., l.m.t., I turn to the right to Polaris and begin to observe its eastern progress. When the Star begins to recede I read a maximum horizontal angle to the right of 224° 54'.

Latitude and Longitude previously stated.

Azimuth of Polaris at eastern elongation = N. 1° 27' E.

Bearing of reference = S. 43° 27' E.

The mean of these two observations is S. 43° 26' 30" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 30' E.

Beginning at Cor. No. 1 of this survey, identical with Cor. No. 1 of the listing survey, which is a granite boulder, mkd. and witnessed as described by the Surveyor General, setting alongside to the N. of Cor. No. 6 of H. E. S. No. 88 (accepted), which is a basalt stone, firmly set, mkd. and witnessed as described by the Surveyor General. I destroy the former and mk. the latter on the NW. face; 1-HES-116, for Cor. No. 1 of this survey; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within

Chains	
	the claim;
	A pinyon, 10 ins. in dia., bears S. 35° 07' E., 57 lks. dist.
	A pinyon, 6 ins. in dia., bears N. 5° 42' E., 87 lks. dist.
	Both trees blazed and scribed X-1-HES-116-BT.
	U. S. L. M. No. 263 (unapproved), which is a basalt boulder, showing 5½ x 3 x 2½ ft. above ground, mkd. USLM-263 on the S. face and a cross (x) on top, and properly witnessed by a mound of stone and bearing trees, being in sight, bears N. 15° 48' E., 5.19 chs. dist.
	I destroy the witnesses for the listing corner.
	Thence
	West
	Descend gently through scattering pinyon and juniper on a true line between Cors. Nos. 6-5 of H. E. S. No. 88 (accepted), the latter being in sight.
0.02	Fence cor., from which fences bear N., S., and W.
2.24	Irrigation ditch, 3 lks. wide, 10 ins. deep, bears S.
2.64	Lost Creek, 10 lks. wide, 5 ins. deep, flows S.
3.48	Escalante-Tousdale Telephone Line, bears N. 12° 42' W., and S. 12° 42' E., about 10 ft. below Cor. No. 1.
	Ascend.
5.96	Strike Cor. No. 5 of H. E. S. No. 88 (accepted), which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General.
19.77	To Cor. No. 2, about 150 ft. above point of ascent, identical with Cor. No. 4 of the listing survey, which is a sandstone ledge, 30 ft. high, mkd. and witnessed as described by the Surveyor General. I deface the markings for the listing survey and mk. this same ledge on the side facing the claim X-2-HES-116. Mound impracticable.

HOMESTEAD ENTRY SURVEY NO. 116

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
	A pinyon, 6 ins. in dia., bears N. 37° 30' E., 40 lks. dist.
	A cedar, 16 ins. in dia., bears S. 64° 55' E., 28 lks. dist.
	Both trees blazed and scribed X-2-HES-116-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 4° 15' E.
	Descend gently over limestone cliffs, through heavy pinyon and juniper.
6.57	Base of cliffs, about 125 ft. below Cor. No. 2.
	Over level land.
23.94	Brush fence, bears NW. and SE.
80.09	To Cor. No. 3, identical with Cor. No. 3 of the listing survey, which is a sandstone, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 1 ins., mkd. with a cross (x), for Cor. No. 3 of this survey; mkd. 3-HES-116 on the side facing the claim and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinyon, 12 ins. in dia., bears N. 59° 52' W., 25 lks. dist.
	A cedar, 6 ins. in dia., bears S. 51° 45' W., 22 lks. dist.
	Both trees blazed and scribed X-3-HES-116-BT.
	I destroy the witnesses for the listing corner.
	Thence
	East
	Over level land, through very heavy pinyon and juniper.

Chains	
2.09	Lost Creek, 12 lks. wide, 12 ins. deep, bears S.
2.30	Escalante-Teasdale Telephone Line bears N. 1° 00' W. and S. 1° 00' E.
5.11	"Line tree" blazed fore and aft.
	September 9, 1916.
20.02	To Cor. No. 4, identical with Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a basalt stone, 28 x 12 x 4 ins., 18 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 4 of this survey; mkd. 4-HES-116 on the side facing the claim and a cross (x) on top; and raise a mound of earth and stone; 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar, 24 ins. in dia., bears N. 39° 02' E., 16 lks. dist.
	A cedar, 16 ins. in dia., bears S. 57° 45' W., 2 lks. dist.
	Both trees blazed and scribed X-4-HES-116-BT.
	I destroy the witnesses for the listing corner.
	Thence
	S. 4° 27' W.
	Descend gently, through heavy pinyon and juniper.
61.44	Creek, 3 lks. wide, 3 ins. deep, flows SW.
62.93	Fence cor. bears W. 50 lks. dist., from which fences bear W. and SE.
63.64	Fence bears NW. and SE.
65.66	Fence bears NE. and SW.
67.94	NE. cor. of claimant's cabin bears W., 4.00 chs. dist.
74.60	Road bears NW. and SE.
75.28	Fence bears NE. and SW.

[illegible]

POWELL NATIONAL FOREST

STATE OF UTAH

Chains	
80.07	To Cor. No. 1, the place of beginning, about [illegible] below Cor. No. 4.

September 10, 1916.

AREA

Area of H. E. Survey No. 116: 158.86 acres.

TRAVERSE OF THE ESCALANTE- TEASDALE TELEPHONE LINE WHICH IS OWNED AND MAINTAINED BY THE FOREST SERVICE

Beginning at a point on the south boundary of the claim, on the Escalante-Teasdale Telephone Line, from which Cor.-No.-1 bears E., 3.48 chs. dist., thence with traverse of telephone line

N. 12° 42' W., 6.09 chs.
N. 4° 30' W., 11.80 "
N. 7° 39' E., 3.12 "
N. 25° 52' W., 6.90 "
N. 7° 00' W., 2.55 "
N. 20° 00' W., 3.13 "
N. 4° 30' E., 4.17 "
N. 12° 15' W., 2.49 "
N. 15° 45' W., 4.01 "
N. 17° 15' W., 3.72 "
N. 3° 30' W., 4.40 "
N. 13° 00' W., 6.99 "
N. 7° 00' W., 6.50 "
N. 4° 36' E., 5.70 "
N. 22° 30' E., 6.99 "
N. 1° 00' W., 3.61 "

To a point on the north boundary of the claim, where the telephone line leaves the claim, from which Cor. No. 3 bears W., 2.30 chs. dist.

Chains

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A log and dirt cabin, 12 x 14 ft., course of long sides E. and W., location heretofore given.

	Value	$50.00
About ½ mile of fencing	Value	50.00
Total value of improvements,		$100.00

DESCRIPTION

This claim lies on Lost Creek, about 10 miles north of Escalante, Utah, the nearest postoffice, and about 90 miles southeast of Marysvale, the nearest railroad point. The tract is made up for the most part of level land along Lost Creek, which flows through the tract. The southwest corner of the tract is made up of sandstone ledges and is utterly worthless. The soil on the level land is a sandy loam. With the exception of about 30 acres, the tract is covered by a growth of pinyon and juniper. According to local authorities, however, this timber is of no commercial value at this time except in the development of the tract in question. No presence or indication of mineral. About 5 acres have been cultivated. This tract is adjoined on the south by H. E. Survey No. 88 (accepted).

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavits of the assistants.

September 10, 1916.

R L Garner

Forest Examiner.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains		

Blank

Page

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 116, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	West	19.77	~~79~~	~~83~~			~~5~~	~~95~~	19	77	19	77					
2 - 3	N. 4° 15' E.	80.09	79	87			5	94			5	95	475	11			
3 - 4	East	20.02			~~79~~	~~85~~	20	02	~~6~~	~~20~~	31	92					
4 - 1	S. 4° 27' W.	80.07			79	83			6	21	45	74			3652	34	
		199.95	79	87	79	83	25	96	25	98			475	11	3652	34	
			79	83					25	96					475	11	
		Errors		04						02					20)3177	23	
			~~79~~	~~83~~	~~79~~	~~83~~	~~25~~	~~97~~	~~25~~	~~97~~				Area	158	86	Acres.

Error of closure = $\frac{1}{4471}$

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917

The foregoing field notes of Homestead Entry Survey No. 116, situated in the Powell National Forest, in Sec. 3, unsurveyed, Township No. 34 South, Range No. 2 East, and Sec. 34, unsurveyed, Township No. 33 South, Range No. 2 East of the Salt Lake Base and Meridian, Utah; William Chesnut, claimant;

executed by R. D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 13, 1916, 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 , has been correctly copied from the original notes on file in this office.

S. A. Thorsen
U. S. Surveyor General.

8—2349

Blank

Page

Form 85
(Sheet No. 1
Revised July 1, 1914.)

637

U. S. Surveyor General's Office
APR 24 1917
SALT LAKE CITY, UTAH.

637

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

BOOK A-430

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 117

SITUATED IN THE SEVIER NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 36, unsurveyed, Township 36 S, Range 5 W.

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Samuel B. Riggs

Residence Panguitch, Utah

Application No. 9, dated May 1, 1911

List No. 4-754, dated June 15, 1911

Applicant for survey Hyrum Evans

Residence Hatchtown, Utah

H. E. No. 015756, dated August 26, 1915

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner,
[Forest Service Title.]

Under special instructions dated May 15, 1916

Survey commenced August 13, 1916

Survey completed August 15, 1916

Under Acts of June 11, 1906 and August 11, 1916.

t—2349

BOOK A-430

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 117, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Leyman (Chainman)

Harwell Eubank (Chainman)

Subscribed and sworn to before me this 15th day of August, 1916.

R D Garver

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 15, 1916, 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, No. 4-754, dated June 15, 1911, for
patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 117,
situated within the Sevier National Forest, in
unsurveyed Section 36, Township 36 S., Range 5 W., and
surveyed Section , Township , Range ,

of the Salt Lake Base and meridian, Utah, 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 D Garver

Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 29th day of November, 1916.

SEAL.

Geo W Goshen
Notary Public

8—2349

Commission expires Oct. 19, 1920

Chains

Samuel B. Riggs, applicant for listing, Application No. 9, dated May 1, 1911.

Hyrum Evans, entryman, H. E. 015756, Salt Lake, dated August 26, 1915.

Special instructions dated May 15, 1916, for H. E. Survey No. 117.

Claim situated in Section 36, unsurveyed, Township 36 South, Range 5 West (partly surveyed, accepted), of the Salt Lake Base and Meridian, Utah, in the Sevier National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced August 13, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers placed opposite each other and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

August 13, 1916, at Cor. No. 10 of this survey, at 7 h. 24 m., P. M., l. m. t., I foresight on a reference stake, firmly set and centered with a tack, 5.00 chs. dist. from my station and turn 80° 34' to the right to Polaris in position.

Latitude = 37° 38' 30" N.: From information contained
Longitude = 112° 21' W.: in my special instructions.

U. C. Polaris, August 14, 1916	4 h. 1.4 m., A.M.
Longitude correction	1.2 m.,
L. m. t., U. C. Polaris	4 h. 0.2 m., A.M.

Chains

L. m. t. obsn.	7 h. 24 m.,	P.M.
Subtract from	12 h. 0 m.	
Time to midnight	4 h. 36 m.	
Add	4 h. .2 m.	
Argument	8 h. 36.2 m.	

Azimuth of Polaris = N. 1° 06'. E.

Bearing of reference stake = N. 79° 28' W.

August 13, 1916, using same station and reference as above, at 8 h. 16 m., P. M., l. m. t., I turn 80° 45' to the right to Polaris in position.

U. C. Polaris, August 14, 1916	4 h. 1.4 m.,	A.M.
Longitude correction	1.2 m.	
L. m. t., U. C. Polaris	4 h. 0.2 m.,	A.M.

L. m. t. obsn.	8 h.16 m.	P.M.
Subtract from	12 h.	
Time to midnight	3 h.44 m.	
Add	4 h. 0.2 m.	
Argument	7 h.44.2 m.	

Azimuth of Polaris = N. 1° 17' E.

Bearing of reference stake = N. 79° 28' W.

The mean of these is N. 79° 28' W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 25' E.

RETRACEMENT

Beginning at the ¼ cor. between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted), which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, I run

Chains	
	Thence
	N. 0° 05' W.
	On a random line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted).
40.42	Fall 34 lks. W. of the cor. of Secs. 25, 26, 35 and 36, T. 36 S., R. 5 W. (survey accepted), which is a stone, firmly set, mkd. and witnessed as described by the Surveyor General.
	Thence
	S. 0° 24' W.,
	On a true line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted).
28.63	Set temporary stake for Cor. No. 4 of this survey.
29.20	Set temporary stake for Cor. No. 5 of this survey.
40.42	Strike the ± cor. between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted), heretofore described.

TRACT "A"

Beginning at Cor. No. 1 of this survey, identical with the cor. of Secs. 25, 26, 35 and 36, T. 36 S., R. 5 W. (survey accepted), heretofore described, I mark this corner stone with a cross (x) on top for Cor. No. 1 of this survey, and alongside to the SE. set a sandstone 20 x 12 x 5 ins., 10 ins. in the ground, mkd. 1-HES-117 on side facing the claim. I was unable to find any trace of Cor. No. 1 of the listing survey, identical with the established Forest Service Monument.

Thence

East

BOOK A-430

HOMESTEAD ENTRY SURVEY NO. 117

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains	
	Over level sagebrush land, along the Sevier National Forest boundary.
0.20	Road bears N. and S.
4.00	Strike road and follow, bears NW. and E.
15.00	To Cor. No. 2, identical with Cor. No. 7 of the listing survey, which is a sandstone, firmly set, and mkd. as described by the Surveyor General, in place of which I set a sandstone 24 x 8 x 6 ins., flush with the ground, over a sandstone 3 x 2 x 1 ins., mkd. with a cross (x), for Cor. No. 2 of this survey, mkd. 2-HES-117 on the SW. face and a cross (x) on top. Since this corner falls in the middle of a road and any accessories would immediately be destroyed, I therefore do not dig pits or raise a mound of earth, but set a witness corner as hereafter noted.
	Thence
	S. 0° 05' E.
	Along the base of mountain, through sagebrush.
	Fence parallel to course bears E., 2 lks. dist.
0.20	WC. cor., for Cor. No. 2, for which I set a sandstone 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone 4 x 3 x 2 ins., mkd. with a cross (x), for witness cor. to Cor. No. 2, mkd. WC on the N. face, 2-HES-117 on the side facing the claim and a cross (x) on top. Pits impracticable; raise a mound of stone 4 ft. base, 2 ft. high, 3 ft. N. of corner.
28.00	Fence corner, from which fences bear N. and S. 15°00' W.
	Leave sagebrush, enter pinyon and juniper, bears E. and W.
28.74	Small ridge bears E. and W.

Chains	
35.24	Fence bears NW. and SE.
	Leave juniper, enter sagebrush, bears E. and W.
36.16	Road bears NW. and SE.
40.04	To Cor. No. 3, for which I set a sandstone 26 x 10 x 6 ins., 16 ins. in the ground, over a sandstone 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 3 of this survey, mkd. 3-HES-117 on the side facing the claim and a cross (x) on top. Dig pits 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, 3½ ft. dist. within the claim.
	A limestone boulder in place, showing 8 x 6 x 5 ft. above ground, mkd. X-3-HES-117-BR, bears N. 43° 19' E., 144 lks. dist.
	No other witness available.
	Thence
	N. 53° 13' W.
	Over level sagebrush land, on the N. side of the road right of way.
1.43	Procter Creek Wash, 20 ft. wide and 20 ft. deep, course NW.
11.76	Road bears N. and S.
18.90	Fence bears N. and S.
19.04	To Cor. No. 4, previously mkd. by temporary stake, in place of which I set a sandstone 26 x 5 x 4 ins., 16 ins. in the ground, over a sandstone 4 x 3 x 2 ins., mkd. with a cross (x), on the line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted), mkd. CC on the SE. face, 4-HES-117 on the NE. face, and a cross (x) on top, for closing corner and Cor. No. 4 of this survey. Dig a pit 30 x 24 x 12 ins.,

Chains	
	crosswise on the section line N. 0° 24' E., 4 ft. dist., and dig a pit 24 x 18 x 12 ins., crosswise on the closing line S. 53° 13' E., 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, on the closing line S. 53° 13' E., 3½ ft. dist. The ¼ cor. between Secs. 35 and 36, T. 36 S., R. 5 W., heretofore described (survey accepted), bears S. 0° 24'-W., -11.79 chs. dist.
	Thence N. 0° 24' E.
	Over level sagebrush land, on a true line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted).
28.40	Proctor Creek Wash, 15 lks. wide and 3 ft. deep, course NW.
28.63	To Cor. 1, the place of beginning.
	August 14, 1916.
	TRACT "B"
	Beginning at Cor. No. 5 of this survey, previously mkd. by temporary stake, in place of which I set a sandstone 24 x 10 x 8 ins., 14 ins. in the ground, over a sandstone 4 x 3 x 1 ins., mkd. with a cross (x), on the line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted), mkd. CC on the SE. face, 5-HES-117 on the SE. face and a cross (x) on top, for closing corner and Cor. No. 5 of this survey, and dig a pit 30 x 24 x 12 ins., crosswise on the section line N. 0° 24' E., 4 ft. dist., and dig a pit 24 x 18 x 12 ins., on the closing line S. 53° 13' E., 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, on the closing line S. 53° 13' E., 3½ ft. dist.

HOMESTEAD ENTRY SURVEY NO. 117

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains	
	Cor. No. 4 of this survey, heretofore described, bears N. 0° 24' E., 57 lks. dist.
	The cor. of Secs. 25, 26, 35, and 36, T. 36 S., R. 5 W., survey accepted, heretofore described, bears N. 0° 24' E., 29.20 chs. dist.
	Thence
	S. 53° 13' E.
	Over level sagebrush land, on the S. side of the road right of way.
0.14	Fence bears N. and S.
2.00	Irrigation ditch 3 lks. wide, 6 ins. deep, flows NW.
6.60	Road bears N. and S.
18.05	Proctor Creek Wash, 20 ft. wide and 20 ft. deep, course N.
19.05	To Cor. No. 6, identical with Cor. No. 6 of the listing survey, which is a limestone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone 26 x 14 x 5 ins., 16 ins. in the ground, over a sandstone 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 6 of this survey, mkd. 6-HES-117 on side facing the claim and a cross (x) on top, and dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A limestone boulder in place, showing 8 x 6 x 5 ft. above ground, mkd. X-6-HES-117-BR, bears N. 31° 21' E., 190 lks. dist.
	I destroy the witnesses for the listing corner, which were not suitable for bearing objects.

Chains	
	Cor. No. 3 of this survey, heretofore described, bears N. 0° 05' W., 0.57 lks. dist.
	Thence
	S. 35° 39' E.
	Over level sagebrush land.
3.66	To Cor. No. 7, identical with Cor. No. 5 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone 30 x 14 x 5 ins., 20 ins. in the ground, over a sandstone 3 x 3 x 1 ins., mkd. with a cross (x), for Cor. No. 7 of this survey, mkd. 7-HES-117 on side facing the claim and a cross (x) on top, and dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth and stone 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A limestone boulder in place, showing 10 x 6 x 5 ft. above ground, mkd. X-7-HES-117-BR, bears S. 85° 33' E., 147 lks. dist.
	A juniper 10 ins. in dia., blazed and scribed X-7-HES-117-BT, bears N. 29° 23' E., 220 lks. dist.
	I destroy the witness for the listing corner.
	Thence
	S. 60° 09' E.
	Over level sagebrush land.
2.09	Fence corner, from which fences bear NW. and SE. and S.
4.00	Road bears NW. and SE.
7.90	Road bears NE. and SW.
8.96	Fence bears E. and W.
	Leave sagebrush and enter heavy willows, bears E. and W.
12.98	To Cor. No. 8, identical with Cor. No. 4 of the listing survey, which is a sandstone, firmly set, mkd. and

Chains	
	witnessed as described by the Surveyor General, in place of which I set a sandstone 24 x 8 x 6 ins., 14 ins. in the ground, over a sandstone 4 x 4 x 2 ins., mkd. with a cross (x), mkd. 8-HES-117 on side facing the claim and a cross (x) on top. No bearings, therefore dig pits 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3½ ft. dist. within the claim.
	I destroy the witness for the listing corner, which was not suitable for a bearing object.
	Thence
	S. 29° 44' W.
	Over level land, through heavy willows.
0.60	Proctor Creek, 4 lks. wide, 6 ins. deep, flows W.
4.00	Irrigation ditch, 3 lks. wide, 10 ins. deep, course W.
4.70	Base of mountain.
	Ascend.
5.92	To Cor. No. 9, about 40 ft. above point of ascent, identical with Cor. No. 3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone 24 x 10 x 4 ins., 14 ins. in the ground, and a sandstone 5 x 4 x 2 ins., mkd. with a cross (x), for Cor. No. 9 of this survey, mkd. 9-HES-117 on side facing the claim and a cross (x) on top, and raise a mound of stone 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A cedar 8 ins. in dia., bears N. 47° 59' E., 30 lks. dist.
	A pinyon 8 ins. in dia., bears S. 89° 50' W., 18 lks. dist.

HOMESTEAD ENTRY SURVEY NO. 117

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains	
	Both trees blazed and scribed x-9-HES-117-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 60° 17' W.
	Along base of mountain, through juniper.
16.70	Fence bears N. and S.
	Descend.
21.95	Leave juniper, enter sage, bears N. and S.
22.25	Road bears NE. and SW.
29.74	To Cor. No. 10, about 40 ft. below point of descent, identical with Cor. No. 2 of the listing survey, a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, and the ¼ corner between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted), heretofore described. I mark a cross (x) on the top of the ¼ corner, for Cor. No. 10 of this survey, destroy the listing corner, and in its place set a sandstone 20 x 12 x 5 ins., 10 ins. in the ground, alongside to the NE. of the ¼ corner, mkd. 10-HES-117 on side facing the claim.
	I destroy the witness for the listing corner.
	Thence
	N. 0° 24' E.
	On a true line between Secs. 35 and 36, T. 36 S., R. 5 W. (survey accepted).
	Ascend through pinyon and juniper.
0.20	Fence bears N. 2° 00' E. and S. 2° 00' W.
5.00	Summit of ridge, which bears E. and W., about 20 ft. above Cor. No. 10.
	Descend.
6.52	Leave pinyon and juniper, enter sagebrush, bears E. and W.

Chains 11.22 To Cor. No. 5, the place of beginning, about 20 ft. below point of descent.

August 15, 1916.

AREA

Area in Tract "A" =	51.97 acres
Area in Tract "B" =	23.56 "
Total area of H. E. S. No. 117 =	75.53 "

IMPROVEMENTS

The only improvement on this claim is about 1 mile of fence. Value $100.00

DESCRIPTION

This claim is located on Proctor Creek at a point where the mountains give way to the valley, about 6 miles east of Hatchtown, the nearest postoffice, and about 75 miles south of Marysvale, the nearest railroad point. The soil for the most part is made up of a clay loam. There is no timber of value upon the tract. No presence or indications of mineral. No cultivation. No adjoining claims, The area is divided into two tracts by a road exception.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

August 15, 1916.

R. Garner

Forest Examiner.

BOOK A-430

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

BOOK A-430

8—2210

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 117, STATE OF UTAH

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
TRACT "A"										
1 - 2	East	15.00			15 00		15 40			
2 - 3	S. 0° 05' E.	40.04		40 03 / 40 04	03 / 06		30 45		1218 91	
3 - 4	N. 53° 13' W.	19.04	11 40			15 25	15 25	173 85		
4 - 1	N. 0° 24' E.	28.63	28 63		20		20	5 73		
		102.71	40 03	40 04	15 26	15 25		179 58	1218 91	
				40 03	15 25				179 58	
			Errors	01	01				20)1039 33	
			40 03	40 03	15 25	15 25		Area	51 97	Acres.
			Error of closure =	1/7262						
TRACT "B"										
5 - 6	S. 53° 13' E.	19.05		11 40 / 11 41	15 27 / 15 26		15 45		176 13	
6 - 7	S. 35° 39' E.	3.66		2 97	2 13		32 85		97 56	
7 - 8	S. 60° 09' E.	12.98		6 46	11 27 / 11 26		46 25		298 78	
8 - 9	S. 29° 44' W.	5.92		5 14		2 94	54 58		280 54	
9 - 10	N. 60° 17' W.	29.74	14 75 / 14 74			23 82 / 25 83	25 82	380 84		
10 - 5	N. 0° 24 E.	11.22	11 22		09 / 08		09	1 01		
		82.57	25 96	25 98	28 73	28 77		381 85	853 01	
				25 96		28 73			381 85	
			Errors	02		04			20)471 16	
			25 97	25 97	28 76	28 76		Area	23 56	Acres.
			Error of closure =	1/1846						

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917

The foregoing field notes of Homestead Entry Survey No. 117, situated in the Sevier National Forest, in section 36, unsurveyed, Township No. 36 South, Range No. 5 West, of the Salt Lake Base and Meridian, Utah; Samuel B. Riggs, claimant;

executed by R.D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 15, 1916, 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 , has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

Blank

Page

Form 85
heet No. 1
ed July 1, 1914.)

U. S. Surveyor Gen. 655
APR 24 1917
SALT LAKE CITY, UTAH

U. S. DEPARTMENT OF AGRICULTURE

BOOK A-430 FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 119

SITUATED IN THE SEVIER NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Section 3, unsurveyed, Township 38 S, Range 4 W.
In Sections 34-35, Unsurveyed, Township 37 S., Range 4 W.

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing Samuel S. Johnson

Residence Cannonville, Utah.

Application No. 26, dated February 17, 1913

List No. 4-1222, dated August 18, 1913

Applicant for survey Samuel S. Johnson

Residence Cannonville, Utah

H. E. No. 012515, dated May 14, 1914

Land ~~District~~ Office Salt Lake City

Survey executed by R. D. Garver, Forest Examiner.
[Forest Service Title.]

Under special instructions dated May 15, 1916

Survey commenced August 16, 1916

Survey completed August 18, 1916

Under Acts of June 11, 1906; August 11, 1916.

5—2349

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 119, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Wm Lynn (Chainman)

~~Wm Harvey Lubeck~~ (Chainman)

Subscribed and sworn to before me this 18th day of August, 1916.

R D Garver

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 15, 1916, 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, No. 4-1222, dated Aug. 18, 1913, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 119, situated within the Sevier National Forest, in unsurveyed Section 3, Township 38 S., Range 4 W., and unsurveyed Sections 34-35, Township 37 S., Range 4 W.,

of the Salt Lake Base and meridian, Utah, 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 D Garver

Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 29th day of November, 1916.

SEAL.

Geo. W. Gashen
Notary Public

8—2349

Commission expires Oct. 19, 1920

HOMESTEAD ENTRY SURVEY NO. 119

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains

Samuel S. Johnson, applicant for listing, Application No. 26, dated February 17, 1913.

Samuel S. Johnson, entryman, H. E. 012515, Salt Lake, dated May 14, 1914.

Special Instructions dated May 15, 1916, for H. E. Survey No. 119.

Claim situated in unsurveyed Sections 3, 34 and 35, Townships 37 and 38 South, Range 4 West, of the Salt Lake Base and Meridian, Utah, in the Sevier National Forest.

Authority contained in the Acts of June 11, 1906, and August 11, 1916.

Survey commenced August 16, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

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

August 16, 1916: At Cor. No. 12 of this survey, at 7 h. 29 m., P. M., l. m. t., I foresight on a reference stake, firmly set, and centered with a tack, 5.00 chs. dist. from my station, and turn 208° 42' to the right to Polaris in position.

Latitude = 37° 32' 30" N. : From my Special
Longitude = 112° 15' W. : Instructions.

Chains

U. C. Polaris, August 17, 1916, 3 h. 49.7 m., A. M.
Longitude correction 1.2 m.
L. m. t., U. C. Polaris 3 h. 48.5 m., A. M.

L. m. t. observation, August 16, 1916, 7 h. 29 m., P. M.
Subtract from 12 h. 00 m.
Time to midnight 4 h. 31 m.
Add 3 h. 48.5 m.
Argument 8 h. 19.5 m.
Azimuth of Polaris = N. 1° 10' E.
Bearing of reference stake = S. 27° 32' E.

August 16, 1916: At 7 h. 46 m., P. M., using same station and reference as above, I turn 208° 45' to the right to Polaris in position.
Latitude and longitude previously stated.

U. C. Polaris, August 17, 1916, 3 h. 49.7 m., A. M.
Longitude correction 1.2 m.
L. m. t., U. C. Polaris 3 h. 48.5 m., A. M.

L. m. t. observation, August 16, 1916, 7 h. 46 m., P. M.
Subtract from 12 h. 00 m.
Time to midnight 4 h. 14 m.
Add 3 h. 48.5 m.
Argument 8 h. 2.5 m.
Azimuth of Polaris = N. 1° 13' 30" E.
Bearing of reference stake = S. 27° 31' 30" E.

The mean of these two observations is, S. 27° 31' 45" E., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 35' E.

HOMESTEAD ENTRY SURVEY NO. 119

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains

BEGINNING AT COR. NO. 1 of this survey, identical with Cor. No. 1 of the listing survey and the established Forest Service Monument, and Cor. No. 5 of List No. 4-1221, which is a soft sandstone, firmly set, mkd. and witnessed as described by the Surveyor General (which crumbled when removed), in place of which I set a sandstone, 30 x 14 x 12 ins., 20 ins. in the ground, over a sandstone, 6 x 4 x 2 ins., mkd. with a cross (x), for Cor. No. 1 of this survey; mkd. 1-HES-119 on the NW. face, and a cross (x) on top. No bearings, therefore, dig pits, 24 x 24 x 12 ins., crosswise on line N. 0° 04' E. and N. 82° 41' W., 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

This corner will be identical with Cor. No. 3 of H. E. Survey No. 118, when surveyed.

I destroy the witnesses for the listing corner, which were not suitable for bearing objects.

The corner of Secs. 1, 6, 31 and 36, Tps. 37 and 38 S., Rgs. 3 and 4 W. (survey accepted), which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears S. 82° 34' E., 125.45 chs. dist., by traverse, computations of which are hereto attached.

It will be noted that a portion of the lines of H. E. Survey No. 118, together with the tie line thereto, made up this traverse. These courses and distances were properly checked.

Thence

N. 82° 41' W.,

Along foot of mountain, through oak and sagebrush.

HOMESTEAD ENTRY SURVEY NO. 119

SEVIER NATIONAL FOREST

STATE OF UTAH

Chains	
	Over level land.
0.20	Fence corner bears N., 10 lks. dist., from which fences bear N. and NW.
4.46	Wire fence bears N. and S.
17.47	To Cor. No. 2, identical with Cor. No. 2 of the listing survey, which is a sandstone, firmly set, mkd. as described by the Surveyor General, in place of which I set a sandstone, 24 x 6 x 4 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 2 of this survey; mkd. 2-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A sandstone boulder, 12 x 4 x 4 ft. above ground, bears S. 0° 42' E., 51 lks. dist.
	A sandstone boulder, 20 x 14 x 4 ft. above ground, bears S. 51° 07' E., 43 lks. dist.
	Both boulders mkd. X-2-HES-119-BR.
	Thence S. 82° 22' W.
	Along foot of mountain, over level land, through oak and sagebrush.
	Fence parallel to course bears N., 1 lk. dist.
13.02	To Cor. No. 3, identical with Cor. No. 3 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 10 x 6 ins., 14 ins. in the ground, over a sandstone, 3 x 2 x 2 ins., mkd. with a cross (x), for Cor. No. 3 of this survey; mkd. 3-HES-119 on the side facing the claim, and a cross (x) on the top; and raise a mound of earth and stone, 4 ft. base, 2 ft.

Chains	
	high, 3½ ft. dist., within the claim.
	An outcropping sandstone ledge, 20 x 20 x 10 ft. above ground, bears S. 13° 37' W., 83 lks. dist.
	An outcropping sandstone ledge, 3 x 2 x 2 ft. above ground, bears S. 21° 57' E., 101 lks. dist.
	Both ledges mkd. X-3-HES-119-BR.
	I destroy the witnesses for the listing corner.
	Thence
	S. 45° 12' W.
	Along base of mountain, over level land, through oak and sagebrush.
0.01	Fence bears N. and S.
3.18	Fence bears NW. and SE.
	August 16, 1916.
33.60	To Cor. No. 4, identical with Cor. No. 4 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 6 x 6 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 4 of this survey; mkd. 4-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	An outcropping sandstone ledge, 150 ft. long and 15 ft. high, bears S. 22° 10' E., 38 lks. dist.
	An outcropping sandstone ledge, 150 ft. long and 15 ft. high, bears S. 88° 14' E., 82 lks. dist.
	Both ledges mkd. X-4-HES-119-BR.
	I destroy the witness for the listing corner.
	Thence
	S. 20° 49' W.

Chains	
	Along base of mountain, through oak and sagebrush, over level land.
22.59	To Cor. No. 5, identical with Cor. No. 5 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 28 x 10 x 4 ins., 18 ins. in the ground, over a sandstone, 8 x 6 x 4 ins., mkd. with a cross (x), for Cor. No. 5 of this survey; mkd. 5-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A Douglas fir, 10 ins. in diameter, bears S. 44° 02' E., 163 lks. dist.
	A pinon, 12 ins. in diameter, bears S. 86° 36' W., 169 lks. dist.
	Both trees blazed and scribed X-5-HES-119-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 23° 22' W.
	Over level land, through heavy oak, rabbit and sage brush.
3.00	Leave oak, rabbit and sage brush and enter pinon and juniper, bears NE. and SW.
3.12	To Cor. No. 6, identical with Cor. No. 6 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 40 x 24 x 10 ins., 30 ins. in the ground, over a sandstone, 4 x 3 x 3 ins., mkd. with a cross (x), for Cor. No. 6 of this survey; mkd. 6-HES-119 on the side facing the claim, and a cross (x) on top; and

Chains	
	raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 12 ins. in diameter, bears N. 88° 48' W., 63 lks. dist.
	A pinon, 4 ins. in diameter, bears S. 4° 58' E., 75 lks. dist.
	Both trees blazed and scribed X-6-HES-119-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 16° 56' E.
	Along base of mountain, through scattering pinon and juniper.
18.20	Leave pinon and juniper and enter sagebrush, bears E. and W.
18.24	To Cor. No. 7, identical with Cor. No. 7 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 12 x 8 ins., 14 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 7 of this survey; mkd. 7-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A pinon, 8 ins. in diameter, bears S. 52° 51' E., 68 lks. dist.
	A yellow pine, 24 ins. in diameter, bears S. 35° 36' W., 52 lks. dist.
	Both trees blazed and scribed X-7-HES-119-BT.
	I destroy the witnesses for the listing corner.
	Thence
	N. 80° 20' W.

Chains	
	Over level land, through sagebrush.
9.94	To Cor. No. 8, identical with Cor. No. 8 of the listing survey, which is a sandstone, firmly set, mkd. as described by the Surveyor General, in place of which I set a stone, 24 x 6 x 5 ins., 14 ins. in the ground, over a sandstone, 8 x 6 x 3 ins., mkd. with a cross (x), for Cor. No. 8 of this survey; mkd. 8-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A sandstone boulder, in place, showing 4 x 3 x 3 ft. above ground, mkd. X-8-HES-119-BR, bears N. 81° 20' E., 112 lks. dist.
	An outcropping sandstone ledge, 5 x 4 x 2 ft. above ground, mkd. X-8-HES-119-BR, bears S. 9° 38' W., 152 lks. dist.
	Thence N. 0° 41' W.
	Over level land, through sagebrush.
4.60	To Cor. No. 9, identical with Cor. No. 9 of the listing survey, which is a sandstone, firmly set, mkd. as described by the Surveyor General, in place of which I set a quartzite stone, 28 x 8 x 5 ins., 18 ins. in the ground, over a sandstone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 9 of this survey; mkd. 9-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 16 ins. in diameter, bears S. 60° 47' E., 89 lks. dist.
	A yellow pine, 26 ins. in diameter, bears N. 86° 10' E.,

Chains

104 lks. dist.

Both trees blazed and scribed X-9-HES-119-BT.

Thence

N. 77° 49' E.

Over rolling land, through scattering yellow pine and oak brush.

14.13 To Cor. No. 10, identical with Cor. No. 10 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 10 x 8 ins., 14 ins. in the ground, over a sandstone, 5 x 4 x 3 ins., mkd. with a cross (x), for Cor. No. 10 of this survey; mkd. 10-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth and stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

An outcropping sandstone ledge, 20 x 20 x 20 ft. above ground, mkd. X-10-HES-119-BR, bears S. 81° 51' W., 19 lks. dist.

A yellow pine, 12 ins. in diameter, blazed and scribed X-10-HES-119-BT, bears N. 47° 42' W., 110 lks. dist.

I destroy the witnesses for the listing corner.

Thence

N. 29° 02' E.

Over rolling land, through scattering pinon, juniper and oak brush.

21.75 Fence bears NW. and SE.

45.70 To Cor. No. 11, identical with Cor. No. 11 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a sandstone, 24 x 20 x 8 ins., 14 ins. in the ground, over a sandstone, 4 x

Chains	
	4 x 3 ins., mkd. with a cross (x), for Cor. No. 11 of this survey; mkd. 11-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A yellow pine, 32 ins. in diameter, bears N. 17° 03' E., 36 lks. dist.
	A yellow pine, 34 ins. in diameter, bears N. 78° 08' W., 225 lks. dist.
	Both trees blazed and scribed X-11-HES-119-BT.
	I destroy the witness for the listing corner.
	August 17, 1917.
	Thence
	S. 67° 17' E.
	Ascend through scattering pinon and juniper.
5.61	Top of ridge, bears N. and S.; about 30 ft. above Cor. No. 11
	Descend.
7.60	Bottom of descent, about 30 ft. below point of descent.
	Ascend.
16.84	Summit of ridge, bears N. and S., about 40 ft. above point of ascent.
	Descend.
20.84	Gulch, course S.; about 40 ft. below point of descent.
	Ascend.
25.39	Ridge bears N. and S.; about 60 ft. above point of ascent.
	Descend.
33.42	Fence bears N. and S.
34.59	To Cor. No. 12, about 60 ft. below point of descent, identical with Cor. No. 12 of the listing survey, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, in

Chains

place of which I set a sandstone, 24 x 8 x 10 ins., 14 ins. in the ground, over broken crockery, for Cor. No. 12 of this survey; mkd. 12-HES-119 on the side facing the claim, and a cross (x) on top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

A juniper, 8 ins. in diameter, bears N. 35° 07' E., 218 lks. dist.

A juniper, 8 ins. in diameter, bears N. 82° 28' W., 210 lks. dist.

Both trees blazed and scribed X-12-HES-119-BT.

I destroy the witnesses for the listing corner.

Cor. No. 4 of List No. 4-1221, which is a sandstone, firmly set, mkd. and witnessed as described by the Surveyor General, bears N. 0° 04' E., 215 lks. dist.

Corner No. 4 of H.E.S. No. 118 was later set at that point.

Thence

S. 0° 04' W.

Over level land, through sagebrush.

0.60 Fence corner bears W., 30 lks. dist., from which fences bear S. and W.

4.00 Road bears E. and W.

7.68 Dry wash, course SE.

11.86 To Cor. No. 1, the place of beginning.

August 18, 1916.

AREA.

Area of H. E. Survey No. 119: 109.56 acres.

IMPROVEMENTS

The improvements on this claim, the property of the

Chains

claimant herein, consist of the following:

A log cabin, 20 x 24 ft., course of long sides E. and W., with a lean-to on the NW. corner, the NE. cor. of which bears from Cor. No. 12, S. 30° 03' W., 4.60 chs. dist.

	Value	$100.00
About ¾ mile of fencing.	Value	50.00
Total value of improvements:		$150.00

DESCRIPTION

This claim is located along a tributary of Sheep Creek, about 10 miles west of Cannonville, Utah, the nearest settlement and postoffice, and about 100 miles south of Marysvale, the nearest railroad point. The tract is made up of level bottom land in a box-like canyon. The soil is a deep sandy loam. There is no timber of value upon this tract. No presence or indications of mineral. About 10 acres have been cultivated. This claim is adjoined on the east by H. E. Survey No. 118 (unapproved

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

August 18, 1916.

R. L. Garner

Forest Examiner.

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.

8—2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 119, STATE OF UTAH

BOOK A-430

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
1 - 2	N. 82° 41' W.	17.47	2	22					17	33	118	43	262	91		
2 - 3	S. 82° 22' W.	13.02			1	73			12	90	88	20			152	59
3 - 4	S. 45° 12' W.	33.60			23	68			23	84	51	46			1218	57
4 - 5	S. 20° 49' W.	22.59			21	12			8	03	19	59			413	74
5 - 6	N. 23° 22' W.	3.12	2	86					1	24	10	32	29	52		
6 - 7	N. 16° 56' E.	18.24	17	45			5	31			14	39	251	11		
7 - 8	N. 80° 20' W.	9.94	1	67					9	80	9	90	16	53		
8 - 9	N. 0° 41' W.	4.60	4	60						05	0	05		23		
9 - 10	N. 77° 49' E.	14.13	2	98			13	81			13	81	41	15		
10 - 11	N. 29° 02' E.	45.70	39	96			22	18			49	79	1990	11		
11 - 12	S. 67° 17' E.	34.59			13	36	31	91			103	87			1387	70
12 - 1	S. 0° 04' W.	11.86			11	86				01	135	77			1610	23
		228.86	71	74	71	75	73	21	73	20			2591	56	4782	83
					71	74	73	20							2591	56
	Errors:					01		01							20)2191	27
			71	75	71	75	73	20	73	20				Area:	109	56 Acres

Error of Closure: $\frac{1}{16,183}$

Blank

Page

The corrections for balancing failings 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.

BOOK A-430

8—210

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 119, STATE OF UTAH

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
	Tie Line, Cor. No. 1 to the cor. of Secs. 1, 6, 31 and 36, Tps. 37 and 38 S., Rgs. 3 and 4 W.								
	S.85° 36' E.	24.79		1 90	24 72				
	S.54° 52' E.	24.07		13 85	19 68				
	S.89° 39' E.	80.00		49	80 00				
				16 24	124 40				
	Bearing of Tie Line: S. 82° 34' E., 125.45 chs.								

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, Nov. 24, 1917.

The foregoing field notes of Homestead Entry Survey No. 119, situated in the Sevier National Forest, in Sec. 3, unsurveyed, Township No. 38 South, Range No. 4 West, and Secs. 34, 35, unsurveyed, Township No. 37 South, Range No. 4 West, of the Salt Lake Base and Meridian, Utah; Samuel S. Johnson, claimant;

executed by R. D. Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 15, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

S. D. Thoresen
U. S. Surveyor General.

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

U. S. Surveyor General.

8—2240

Blank

Page

Form 85
ection No. 1
ed July 1, 1914.)

BOOK A-430

675

U. S. Surveyor General's Office
APR 26 1917
SALT LAKE CITY, UTAH.

675

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

H.R.M.A.

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 120

SITUATED IN THE FILLMORE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 10, un surveyed, Township 17 S., Range 4 W.
& 15

of the

Salt Lake Base and Meridian.

State of

Utah

Applicant for listing William I. Alldredge

Residence Oak City, Utah

Application No. 9 , dated October 17 , 1910

List No. 4-502 , dated November 9 , 1910

Applicant for survey William I. Alldredge

Residence Oak City, Utah

H. E. No. 08067 , dated July 25 , 1911

Land ~~District~~ Office Salt Lake

Survey executed by R. D. Garver, Forest Examiner
[Forest Service Title.]

Under special instructions dated May 24 , 1916

Survey commenced August 6 , 1916

Survey completed August 8 , 1916

Under Acts of June 11, 1906 and August 11, 1916

f—2349

120

OATH OF ASSISTANTS

We hereby certify that we assisted R. D. Garver, Forest Examiner, [Forest Service Title.] in surveying all those parts or portions of Homestead Entry Survey No. 120, in the State of Utah, 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 established, according to the instructions furnished by the United States Surveyor General for Utah.

Bert L. Robins (Cha

Harold Lubeck (Chainma

Subscribed and sworn to before me this 8th day of August, 1916.

R D Garver

Forest Examiner.

OATH OF SURVEYOR

I, R. D. Garver, Forest Examiner, [Forest Service Title.] do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Utah, dated May 24, 1916, 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, No. 4-502, dated Nov. 9, 1910, for patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 120, situated within the Fillmore National Forest, in unsurveyed Sections 10-15, Township 17 S., Range 4 W., and surveyed Section, Township, Range,

of the Salt Lake Base and meridian, Utah, 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 D Garver

Forest Examiner.
[Forest Service Title.]

Subscribed and sworn to before me this 18th day of April, 1917.

Geo. W. Goshen
Notary Public

SEAL.

Chains

William I. Alldredge, applicant for listing, Application No. 9, dated October 17, 1910.

William I. Alldredge, entryman, H. E. No. 08067, Salt Lake, dated July 25, 1911.

Special Instructions dated May 24, 1916, for H. E. Survey No. 120.

Claim situated in unsurveyed Sections 10 and 15, Township 17 South, Range 4 West, (partly surveyed, accepted), of the Salt Lake Base and Meridian, Utah, in the Fillmore National Forest.

Authority contained in the Acts of June 11, 1906 and August 11, 1916.

Survey commenced August 6, 1916, and executed with W. and L. E. Gurley Light Mountain Transit No. 12973, the horizontal limb having two double verniers, placed opposite each other and reading to single minutes of the arc.

Measurements made with a Lallie 5-chain steel tape directly on the slope and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

August 6, 1916: At Cor. No. 1 of this survey, I observe the altitude of the sun for Azimuth.

Latitude = 39° 21' N. : By account from surveyed
Longitude = 112° 17' 30" W.: section lines.

Observation 1

At 2 h. 42 m., P. M., apparent time.

Observed altitude = 48° 38' 45"

Horizontal angle (reference to right to sun) = 68° 02'

Chains

Observation 2

At 2 h. 48 m., P. M., apparent time.

Observed altitude = 47° 41' 30"

Horizontal angle (reference to right to sun) = 69° 17'

From these observations I calculate the bearing of a dead tree about 1 mile distant from my station as, (1) S. 0° 09' 13" W. and (2) S. 0° 09' 18" W.

The mean of these is S. 0° 09' 16" W., and to the corresponding meridian all courses of this survey are referred.

Mean Magnetic Declination = 16° 52' E.

REESTABLISHMENT OF LOST CORNERS

Beginning at the cor. of Secs. 3, 4, 9 and 10, T. 17 S., R. 4 W. (survey accepted), which is a wooden post, firmly set in a mound of stone, mkd. and witnessed as described by the Surveyor General, I run

Thence

South

On a random line between Secs. 9 and 10, T. 17 S., R. 4 W. (survey accepted).

40.00 After diligent search, I am unable to find any trace of the ¼ cor. between Secs. 9 and 10, T. 17 S., R. 4 W. (survey accepted).

80.00 After diligent search, I am unable to find any trace of the cor. of Secs. 9, 10, 15 and 16, T. 17 S., R. 4 W. (survey accepted).

This, therefore, will be considered a true line.

For the cor. of Secs. 9, 10, 15 and 16, T. 17 S., R. 4 W. (survey accepted), I set a quartzite stone,

Chains

26 x 12 x 8 ins., 16 ins. in the ground, mkd. 4. notches on the S., 3 notches on the E. and a cross (x) on the top; and dig pits, 18 x 18 x 12 ins. in each section, 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3 ft. dist. W. of cor.

Thence

North

On a true line between Secs. 9 and 10, T. 17 S., R. 4 W. (survey accepted)

40.00 To the ¼ cor. between Secs. 9 and 10, T. 17 S., R. 4 W., for which I set a granite stone, 24 x 6 x 4 ins., 14 ins. in the ground, mkd. ¼ on the W. face and a cross (x) on top; and dig pits, 18 x 18 x 12 ins., crosswise on line N. and S. of cor., 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, 3 ft. dist., W. of cor.

80.00 Strike the cor. of Secs. 3, 4, 9 and 10, T. 17 S., R. 4 W. (survey accepted), heretofore described.

August 6, 1916.

BEGINNING AT COR. NO. 1 of this survey, identical with the ¼ cor. between Secs. 9 and 10, T. 17 S., R. 4 W., heretofore described, I set alongside to the SE. a quartzite stone, 26 x 10 x 8 ins., 16 ins. in the ground, over a quartzite stone, 4 x 3 x 2 ins., mkd. with a cross (x), mkd. 1-HES-120 on the side facing the claim.

Thence

S. 89° 58' E.

Descend over sagebrush land.

Chains	
1.50.	Oak Creek Channel, dry here, course NW., about 10 ft. below Cor. No. 1.
	Ascend.
3.95	Fence bears NW. and SE.
4.30	Road bears NW. and SE.
19.85	To Cor. No. 2, about 75 ft. above point of ascent, for which I set a quartzite stone, 26 x 14 x 5 ins., 16 ins. in the ground, over a quartzite stone, 3 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 2 of this survey, mkd. 2-HES-120 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A quartzite boulder, in place, showing 6 x 3 x 3 ft. above ground, bears N. 43° 16' E., 48 lks. dist.
	A quartzite boulder, in place, showing 4 x 2 x 2 ft. above ground, bears N. 14° 40' W., 58 lks. dist.
	Both boulders mkd. X-2-HES-120-BR.
	Thence
	South
	Descend over sagebrush land.
7.48	Road bears E. and W.
9.78	Oak Creek Channel, dry, course NW., about 50 ft. below Cor. No. 2.
	Ascend.
13.16	Ditch, 15 lks. wide, 10 ins. deep, flows W.
26.95	Ridge bears E. and W., about 55 ft. above point of ascent.
	Descend gently along broken hillside.
	Leave sagebrush, enter scattering juniper, bears E. and W.
60.00	To Cor. No. 3, about 40 ft. below point of descent,

Chains	
	for which I set a quartzite stone, 24 x 20 x 8 ins., 14 ins. in the ground, over a quartzite stone, 4 x 3 x 2 ins., mkd. with a cross (x), for Cor. No. 3 of this survey, mkd. 3-HES-120 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A sandstone boulder, in place, showing 4 x 3 x 1½ ft. above ground, mkd. X-3-HES-120-BR, bears N. 83° 50' E., 74 lks. dist.
	A juniper, 4 ins. in dia., blazed and scribed X-3-HES-120-BT, bears S. 13° 30' E., 38 lks. dist.
	Thence
	S. 89° 46' W.
	Descend through scattering juniper.
4.00	Leave juniper, enter sagebrush, bears N. and S.
8.75	Ditch, 4 lks. wide, 3 ins. deep, flows N.
15.23	Dry Creek Channel, dry here, course N.; about 50 ft. below Cor. No. 3.
	Ascend.
17.42	Road bears N. and S.
18.04	Oak City pipe line bears N. and S.
19.87	To Cor. No. 4, about 50 ft. above point of ascent, for which I set a quartzite stone, 20 x 12 x 10 ins., (stone of greater dimensions not available), 10 ins. in the ground, over a quartzite stone, 2 x 2 x 1 ins., mkd. with a cross (x), for Cor. No. 4 of this survey, mkd. 4-HES-120 on the side facing the claim, and a cross (x) on top; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.

HOMESTEAD ENTRY SURVEY NO. 120

FILLMORE NATIONAL FOREST

STATE OF UTAH

Chains	
	A sandstone boulder, 1½ x 1½ x 1 ft. above ground, bears S. 23° 05' W., 52 lks. dist.
	A sandstone boulder, in place, showing 1 x 1 x 1 ft. above ground, bears N. 16° 10' W., 50 lks. dist.
	Both boulders mkd. X-4-HES-120-BR.
	Thence North
	Descend gently over sagebrush land.
4.25	Oak City pipe line bears NW. and SE.
6.25	Dry Creek Channel, course NW.
13.19	Dry Creek Channel, course NE.
18.60	Dry Creek Channel, bears NW.; about 50 ft. below Cor. No. 4.
	Ascend.
20.00	Strike cor. of Secs. 9, 10, 15 and 16, T. 17 S., R. 4 W., heretofore described.
	Leave sagebrush, enter juniper, bears E. and W., about 20 ft. above point of ascent.
	Over level land.
33.44	Wire fence bears E. and W.
33.87	Leave pinon and juniper, enter cultivation, bears E. and W.
55.16	Leave cultivation, enter sagebrush, bears E. and W.
57.09	Irrigation ditch, 15 lks. wide, 10 ins. deep, course NW.
57.66	Fence bears NW. and SE.
60.00	To Cor. No. 1, the place of beginning.

August 8, 1916.

AREA

Area of H. E. Survey No. 120: 119.15 acres.

Chains

IMPROVEMENTS

The improvements on this claim, the property of the claimant herein, consist of the following:

A log house, 10 x 14 ft., course of long sides N. and S., the NE. cor. of which bears from Cor. No. 2, S. 24° 50' W., 15.00 chs. dist.

Value $ 50.00

About ¾ mile of fencing. Value $ 75.00

Total value of improvements: $125.00

DESCRIPTION

This claim is located about three miles southeast of Oak City, the nearest postoffice, and about 15 miles south of Leamington, Utah, the nearest railroad point. The tract is made up of bottom and sidehill land along Oak Creek and its tributaries. The soil in the bottoms is a fairly heavy black loam; that on the sidehills is very rocky and devoid of humus. A small amount of scrubby pinon and juniper occurs upon this tract but is of no commercial value at the present time. No presence or indications of mineral. About 25 acres under cultivation. This tract was taken up in conjunction with the NE¼ SE¼ of Section 9, T. 17 S., R. 4 W. (survey accepted). The above area was omitted from H. E. S. No. 120 to simplify the survey.

H. E. Survey No. 121 adjoins on the east that portion of this list which lies on surveyed ground.

HOMESTEAD ENTRY SURVEY NO. 120

FILLMORE NATIONAL FOREST

STATE OF UTAH

Chains

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

August 8, 1916.

R. B. Garver

Forest Examiner.

Chains

COMPUTATION SHEET - DIRECT SOLARS

Observation for Azimuth, Line Cor. No. 1 to reference.

$$\text{Cos. Azm.} = \frac{\text{Sin. declin.}}{\text{Cos. Lat. x Cos. V}} - \text{Tan. Lat. x Tan. V.}$$

Latitude = 39° 21' N.

Longitude = 112° 17' 30" W.

Observation 1

August 6, 1916.

At 2 h. 42 m., P. M., apparent time.

Observed vertical angle = 48° 38' 45"

Refraction in Zenith dist.= 00' 51"

True vertical angle (V) = 48° 37' 54"

Declination = 16° 36' 55" N.

Cos. Azm. = + 0.55951 - 0.93109 = - 0.37158

Azm. Sun = S. 68° 11' 13" W.

Horizontal angle (reference to right to sun) = 68° 02'

Bearing of line, Cor. No. 1 to reference = S.0°09'13" W.

Observation 2

August 6, 1916.

At 2 h. 48 m., P. M., apparent time.

Observed vertical angle = 47° 41' 30"

Refraction in Zenith dist.= 00' 53"

True vertical angle (V) = 47° 40' 37"

Declination = 16° 36' 51" N.

Cos. Azm. = + 0.54916 - 0.90038 = - 0.35122

Azm. Sun = S. 69° 26' 18" W.

Horizontal angle (reference to right to sun) = 69° 17'

Bearing of line,Cor. No. 1 to reference = S.0° 09' 18" W.

Mean = S. 0° 09' 16" W.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

	Chains	

Blank

Page

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.

S—2249

BOOK A-430

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 120, STATE OF UTAH

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.		LATITUDES. South.		DEPARTURES. East.		DEPARTURES. West.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
1 - 2	S. 89° 58' E.	19.85				00 01	19	85			19	87					
2 - 3	South	60.00			59 60	96 00		01			39	73			2382	21	
3 - 4	S. 89° 46' W.	19.87				07 08			19	87	19	87			1	39	
4 - 1	North	60.00	60 60	03 00				01				01		60			
		159.72	60	00	60	09	19	85	19	87				60	2383	60	
					60	00			19	85						60	
	Errors:					09				02					20) 2383	00	
			60	03	60	03	19	87	19	87				Area:	119	15	Acres
	Error of Closure: 1/1732																

687

Blank

Page

BOOK A-430

APPROVAL

Office of the United States Surveyor General,

Salt Lake City, Utah, August 22, 1917

The foregoing field notes of Homestead Entry Survey No. 120, situated in the Fillmore National Forest, in sections 10 and 15, unsurveyed Township No. 17 South, Range No. 4 West of the Salt Lake Base and Meridian, Utah, William I. Alldredge, claimant,

executed by R.D.Garver, Forest Examiner
[Forest Service Title.]
under his special instructions, dated May 24, 1916, ~~191~~, 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 , has been correctly copied from the original notes on file in this office.

8—2349

U. S. Surveyor General.