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4-683.

MINERAL SURVEY No. 2577

LOT No.

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

R. A. Bretherton, J. M. Campbell,

C. M. Henkel, H. S. McKay and Ben L. Matson

KNOWN AS THE

COMBINATION

BUNKER HILL Mining District,

PINAL County, ARIZONA

Section approx, Township 8. S., Range 18 E., G. & S. R. B. & M. unsurveyed

Surveyed under instructions dated August 14th, 19 08

by Franklin W. Smith U. S. Mineral Surveyor.

Claim located See location notice, 19

Survey commenced September 15th, 19 08

Survey completed September 15th, 19 08

6-822

Postoffice address of claimant's attorney,-

S. E. Hazzard, Box No. 1183, Bisbee, Arizona.

MINERAL SURVEY NO. 2577.
Combination lode.

Feet.

Beginning at Cor. No. 1, the S.W. Cor., identical with location and with the S.E., and N. E. Cors. respectively of Prudential, ^{and} Badger, ~~and Squaw~~ ^{and Cor. No. 1 Squaw lode, Sur. No. 2578,} lodes, unsurveyed, a pine post 4 ft. long 4 in. sq., set 18 in. in the ground in a mound of stones and scribed 1-2577 CL; whence a rock in place chiseled X-BR-2577 brs N. $30^{\circ} 20'$ W. 52 ft; and a second porphyry rock in place with same scribing brs S. $57^{\circ} 1'$ W. 86 ft, no bearing monuments available, and U.S.L. M. No. 2577 Bunker Hill Mining District, brs S. $59^{\circ} 12'$ E. 349.8 ft.

Thence N. $29^{\circ} 43'$ E.

309.2

to original location for W.E.C. , a monument of stones 3 ft. high.

618.4

same bearing to Cor. No. 2, the N.W. Cor., identical with location and with the S.E. and N.E. Cors. respectively of Michigan and Prudential lodes unsurveyed, a pine post 4 ft. long 4 in. sq., set 18 in. in the ground in a mound of stones and scribed 2-2577 CL; whence a porphyry rock 4 x 6 x 10 in. high chiseled X-BR-2577, brs N. $25^{\circ} 6'$ W. 102 ft., and a second porphyry rock 10 x 15 x 6 in. high, with same scribing, brs S. 32° W. 122 ft., no bearing monuments available.

Thence S. $80^{\circ} 0'$ E.

1500.0

to Cor.No. 3, the N.E. Cor., identical with location a pine post 4 ft. long 4 in. sq., set 18 in. in the ground in a mound of stones and scribed 3-2511 CL; whence a porphyry rock 10 x 12 x 5 in. high chiseled X-BR-2577, brs N. 70° E. 102 ft., and a second porphyry rock 8 x 10 x 10 in. high, with same scribing, brs S. $30^{\circ} 2'$ E. 66 ft., no bearing monuments available.

Thence S. $29^{\circ} 43'$ W.

309.2

to original location for E.E.C. , a monument of stones 3 ft. high.

Feet.

618.4

same bearing to Cor. No. 4, the S.E. Cor., identical with location and with the Cor.No. 4. of Squaw lode, Sur.No. 2578, a pine post 4 ft. long 4 in. sq., set 18 in. in the ground in a mound of stones and scribed 4-2577 CL; whence a porphyry rock 10 x 15 x 6 in. high, chiseled X-BR-2577, brs N. 30° W. 131 ft., and a second porphyry rock 6 x 10 x 4 in. high, with same scribing, brs S. 62° W. 64 ft., no bearing monuments available.

Thence N. 80° 0' W.

1500.0

to Cor. No. 1, the place of beginning.

LEDGE:

The presumed course of the vein on this claim is from the E.E.C. location N. 80° 0' W. 1500 ft.

AREA.

The total and net area of Combination lode is 20.046 *acres*.

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on this claim, placed thereon by the claimant or his grantors at the time of the survey, were as follows:

No. 1, discovery cut 5 x 15 x 12 ft. high, the mouth of which brs from the W.E.C. location S. 80° E. 50 ft. Value \$ 100.00

No. 2, cut 5 x 17 x 12 ft. high, with tunnel at face 4 x 6 x 10 ft. long; the mouth of open cut brs from W.E.C. location N. 75° E. 29 ft.

Value 150.00

NOTE: Complete affidavit of \$500.00 improvements will be furnished prior to the expiration of period of publication. of the notice of application for patent.

ADJOINING CLAIMS.

North: Semper Idem lode unsurveyed, owned by the Calumet and Arizona Mining Company.

East: Assembly lode, unsurveyed, owned by the Calumet and Arizona Mining Company.

South: Squaw lode, Sur.No.2578, owned by the applicant herein.

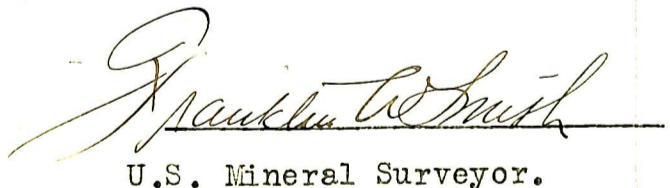
West: Michigan, Prudential and Badger lodes, unsurveyed, owned by the Calumet and Arizona Mining Company.

LOCATION.

This claim is located about nine miles in an easterly direction from the town of Mammoth on unsurveyed lands in the Bunker Hill Mining District, Pinal County, Territory of Arizona, approximately in Tp. 9 S., R. 18 E. G. & S.R.B. & M., unsurveyed.

INSTRUMENT.

This survey was made with a C. L. Berger & Sons No. 1 Transit. The courses were deflected from the true meridian as determined by a solar observation checked by an observation on Polaris. The distances were measured with a 300 foot steel tape. Magnetic variation 12° E. at all corners.


U.S. Mineral Surveyor.

Dated at Bisbee, Arizona,

September 24th, 1908.

Notes on the establishment of U.S.L.M. No.2577.

It was found upon examining the location of this claim, Sur. No. 2577, which I have received instructions to survey under date of August 14th, 1908, that said claim is situated in the Bunker Hill Mining district, Pinal County, Arizona, about nine miles in an easterly direction from Mammoth, Arizona.

This claim is situated more than two miles the prescribed distance from any public monument of the Public Land Survey, or any United States location monument.

A hill, situated at the S.W. Cor. of this survey, was selected for the site of U.S.L.M. No. 2577. This location commands a great area and is easy of access for direct measurement. The exact location of U.S.L.M. monument No. 2577 is marked by a post 8 ft. long, 6 in. sq., set 3 ft. in the ground, with a conical mound of stones 3 ft. high and 6 ft. base around it. The post is scribed U.S.L.M. No. 2577, and a tack driven in the top of the post indicates the exact location.

The following bearings were taken for U.S.L.M. No. 2577:

Bearing rock 10 x 20 x 20 in. high, scribed BR-U.S.L.M. No. 2577, brs N. 83° 23' E. 35.5 ft.

Bearing rock 10 x 25 x 15 in. high, scribed BR-U.S.L.M. No. 2577, brs S. 21° 44' W. 8.2 ft.

A red cliff north of main arroyo, brs N. 64° 25' W. about 1200 ft., and

Another red cliff north of main arroyo brs N. 79° 36' W. about one-half mile.

A house at Mammoth, Arizona, brs S. 70° 16' W. about nine miles.

The west end of porphyry flow on sky line brs N. 3° 30' W.

North upright of head frame of American Eagle shaft brs S. 43° 33' E.

East End of Lava cap on large butte to the south, brs S. 6° 12' E.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Franklin W. Smith,

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

R. A. Bretherton, J. M. Campbell, C. M. Henkel,
H. S. McKay and Ben L. Matson,
known as the Combination

and showing the respective capacities in which they acted.

F. H. Bryarly _____, *Chainman.*

R. A. Zieseemer _____, *Chainman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, F. H. Bryarly

and R. A. Zieseemer, do solemnly swear that we assisted _____

Franklin W. Smith _____, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of _____

R. A. Bretherton, J. M. Campbell, C. M. Henkel, H. S. McKay
and Ben L. Matson
known as the Combination

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona.

F. H. Bryarly _____, *Chainman.*

R. A. Zieseemer _____, *Chainman.*

_____, *Axman.*

_____, *Flagman*

Subscribed and sworn to by the above-named persons before me this 7^{5th}

day of September, 1908.

S. M. Reynolds

Notary Public in and for the County
of Cochise, Territory of Arizona.

My Commission expires Oct. 20th, 1909

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Franklin W. Smith, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated August 14th, 1908, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of R. A. Bretherton, J. M. Campbell, C. M. Henkel, H. S. McKay and Ben L. Matson, known as the Combination, situate in Bunker Hill Mining District, Pinal County, Arizona, in Section approx., Township No. 8. S., Range No. 18. E., G. & S. R. B. & M., unsur. and designated as Survey No. 2577, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or their grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Franklin W. Smith
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Franklin W. Smith
U. S. Mineral Surveyor, before me C. I. McReynolds,
Notary Public this 24th
day of September, 1908

C. I. McReynolds
Notary Public in and for the County
of Cochise, Territory of Arizona.
My Commission expires Oct. 20th, 1909

AMENDED
Notice of Mining Location
LODE CLAIM

To All Whom It May Concern:

This Mining Claim, the name of which is the Combination
Mining Claim, situate on lands belonging to the United States of America, and in which there
are valuable mineral deposits, was entered upon and located for the purpose of exploration and
purchase by R. A. Bretherton and J. M. Campbell

citizens of the United States.
(Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.")

the undersigned, on the 13 day of November 1906

The length of this claim is 1500 feet,
and we claim about 50 feet,
in a westerly direction and about
1450 feet in a easterly direction from
the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together
with 300 feet in width of the surface grounds, on each
side of the center of said claim. The general course of the lode deposit and premises is from the
east to the west

The claim is situated and located in the Bunker Hill Mining District, in
Pinal County, in the Territory of Arizona, about 1 1/2 miles
in a northerly direction from Copper Creek and is
bounded on the west end by the Prudential and on the south side by
the Snow lodes.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at

a monument of stones
at a point in a westerly direction about 50 feet from
the discovery shaft (at which this notice is posted,) being in the center of the west
end line of said claim; thence southerly about 300 feet to a monument of
stones, being the Southwest corner of said claim; thence
easterly 1500 feet to a monument of stones, being at the
southeast corner of said claim; thence northerly about 300 feet
to a monument of stones at the center of the east end of said claim;
thence northerly about 300 feet to a monument of stones, being at the
northeast corner of said claim; thence westerly 1500
feet to a monument of stones at the northwest corner of said claim;
thence southerly about 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of
the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise
and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the Combination
Mining Claim, located by R. A. Bretherton and J. M. Campbell
citizens of the United States on the 11 day of
October 1906, and recorded in Book A of Records of Mines, at
page 64, in the office of the County Recorder of the aforesaid County of Pinal
to which reference is hereby made, and this amended Location Notice is made and posted to
correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 13 day of November 1906

Witness

D. C. Curry
H. Shipman

R. A. Bretherton
J. M. Campbell

TERRITORY OF ARIZONA,
County of Pinal ss.

I, E. B. Devine, County Recorder in and for the County and Territory aforesaid, do hereby certify that the within instrument was filed for record at - 4 - o'clock, P. M., on this - 23rd - day of Nov- 1906 and duly recorded in Book No. - 24 - of mines Records of Pinal County, Arizona, at pages 417

WITNESS my hand and official seal the day and year first above written.

E. B. Devine
County Recorder.

By N. N. Wells
Deputy

AMENDED
Notice of Location.
LODE CLAIM.

Combination

Dated Nov-13- 1906

Filed and Recorded at Request of
R. A. Gioimer

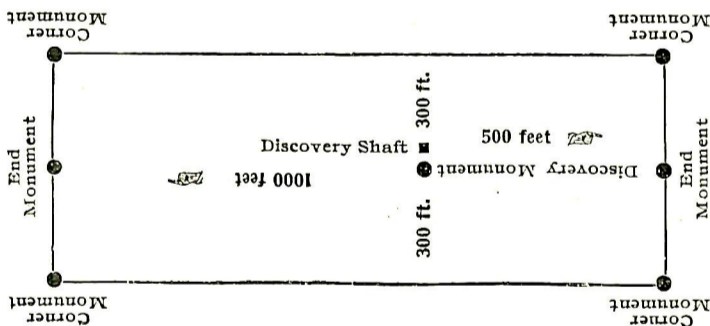
Nov-23- A. D. 1906

at H- P. M.

Book 24- Mines

Pages 417
E. B. Devine

County Recorder.
By N. N. Wells
Deputy Recorder.



This diagram is to give locator a general idea of plan of location under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 500 feet from one end and 1000 feet from the other. Commence description of claim at a center end monument, giving its distance and direction from center of Discovery Shaft; thence bound the claim in either direction. In description be careful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

2577

U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

October 16, 1908.

I, U. S. Surveyor General for District of Arizona, do hereby certify that the foregoing transcript of the Field Notes, return and approval of the Survey of the mining claim of R. A. Bretherton, J. M. Campbell, C. M. Henkel, H. S. McKay and Ben L. Matson, known as the Combination, situate in Bunker Hill Mining District, Pinal County, Arizona, in Section approx., Township No. 8 S., Range No. 18 E., unsur., and designated as Survey No. 2577, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the *locus* thereof.

And I further certify that ^{less than} five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimants or their grantors, and that said improvements consist of, at time of survey, 2 cuts and 1 tunnel, total value \$250.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls,

United States Surveyor General for Arizona.

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona

October 16, 1908.

I, U. S. Surveyor-General for District of Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of R. A. Bretherton, J. M. Campbell, C. M. Henkel,
H. S. McKay and Ben L. Matson

known as the

Combination

situate in Bunker Hill mining district,

Pinal County, Arizona

in Section approx., Township No. 8 S., Range No. 18 E., unsur.

designated as Survey No. 2577

executed by Franklin W. Smith, U. S. Deputy Mineral

Surveyor, September 15, 1908, under my instructions dated

August 14, 1908, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Frank S. Ingalls

U. S. Surveyor-General for Arizona.

SURVEY NO 2577

Scale 1" = 300'

