

MINERAL SURVEY No. 3878

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Patrick Guerin

KNOWN AS THE

BALTIMORE, HILL BIRD, IRON CAP, LUCKY JIM, and SPRING BROOK lodes

Old Hat

Mining District,

Pima

County,

Arizona

Section s 21-22, Unsur, Township 11 S., Range 16 E. G. & S. R. M

Surveyed under instructions dated January 12, 1923

by

J. N. Stevens

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced January 17, 19 23

Survey completed January 23, 19 23

Attorney

Address of claimant's R. W. Langworthy, Tucson, Arizona.

DATES OF AMENDED LOCATIONS.



Feet.

MINERAL SURVEY NO. 3878

BALTIMORE Lode.

Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.2 Hill Bird lode of this Sur.

A granite boulder in place 3 x 1 ft. 1 in. above ground, chiseled with cross (X) 1-B, 2-H B,-3878, with md. of stone 3 1/2 ft base by 3 ft. high alongside, whence the N.E. Cor. Sec. 21, T. 11 S., R. 16 E., brs. N. 4° 27' W., 3616.9 ft.

An oak tree 24 ins. diam brs. S. 34° W., 14.1 ft. Blazed and scribed 1-2,-3878 B.T.

No other bearings are available.

Thence S. 10° 48' E.

Va. 13° 30' E.

295.0 Gulch brs southerly.

300.0 To E. end center, An oak post 4 ins. diam by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high.

400.0 Gulch brs. southeasterly.

600.0 To Cor. No. 2, identical with Loc. Mon.

A limestone rock 10 x 12 x 12 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 2 B-3878 with md. of stone 3 1/2 ft base by 3 ft. high alongside.

No bearings are available.

Thence S. 79°12' W.

Va. 13 30' E.

1500.0 To Cor. No.3, identical with Loc. Mon. and Cor. No.3 Lucky Jim lode of this Sur.

A limestone rock 10 x 9 x 12 ins. above ground, set 12 ins in the ground, chiseled with cross (x) 3 B,3 L J- 3878 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

No bearings are available.

Thence N. 10° 48'W.

Va. 13° 30' E.

300.0 To W. end center, identical with E. end center Lucky Jim lode of this Sur. An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high. Scribed W. Cr. B,- E. Cr. L.J.



feet.

## MINERAL SURVEY NO. 3878

## BALTIMORE Lode- Cont'd.

600.0 To Cor. No. 4, identical with Loc. Mon. and Cor. No's 4-3 and 3 Lucky Jim, Spring Brook and Hill Bird lodes of this Sur.

A granite rock 6 x 8 x 6 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 4-B, 4-L J, 3-S B, 3-H B - 3878 with md of stone 3 1/2 ft. base by 3 ft high alongside.

No bearings are available.

Thence N. 79° 12' E.  
Va. 13° 30' E.

1250.0 Gulch brs southeasterly.

1500.0 To Cor. No. 1, the place of beginning.

## HILL BIRD Lode.

Beginning at Cor. No. 1, identical with Loc. Mon.

On granite ledge 10 ft. high by 25 ft. long, chiseled with cross (X) 1-H B - 3878, with md. of stone 3 1/2 ft. base by 3 ft. high alongside, whence the N. E. Cor. Sec. 21 brs. N. 3° 11' 50" W., 3022.1 ft.

An oak tree 24 ins. diam. brs. S. 40° W., 56.9 ft. blazed and scribed 1-3878 B.T.

No other bearings are available.

Thence S. 10° 48' E.  
Va. 13° 30' E.

300.0 To E. end center, An oak post 4 ins. diam. by 4 ft. high set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed E. Cr. H.B.

600.0 To Cor. No. 2, identical with Loc. Mon. and Cor. 1 Baltimore lode of this Sur. heretofore described

Thence S. 79° 12' W.  
Va. 13° 30' E.

250.0 Gulch brs southeasterly.

1500.0 To Cor. No. 3, identical with Loc. Mon. and Cor. No's 4-4 and 3 Baltimore, Lucky Jim and Spring Brook lodes respectively of this Sur. heretofore described.

Thence N. 10° 48' W.  
Va. 13° 30' E.



feet. MINERAL SURVEY NO. 3878.

Hill Bird Lode-Con'td.

300.0 To W. end center, identical with E. end Center Spring Brook lode of this Sur.

An oak post 4 ins diam by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed W. Cr. H.B and E. Cr. S B.

600.0 To Cor. No. 4, identical with Loc. Mon and Cor. No. 4 Spring Brook lode and S. end center Iron Cap lode both of this Sur.

A granite boulder in place 16 x 12 x 24 ins above ground, chiseled with cross (X) 4-HB, 4-SB, S. Cr. I C, - 3878 with md of stone 3 1/2 ft. base by 3 ft. high alongside.

A granite cliff 5 ft. high by 10 ft. long brs. N. 11° 48' W., 10.4 ft. Chiseled with Cross(x) 4-4- 3878 BR.

No other bearings are available.

Thence N. 79°12'E. va. 13°30' E.

300.0 To Cor. No. 3 Iron Cap lode of this Sur., hereinafter described.

1500.0 To Cor. No. 1, the place of beginning.

IRON CAP lode.

Beginning at Cor. No. 1, identical with Loc. Mon.

A granite rock 6 X 10 x 10 ins. above ground, set 12 ins. in the ground chiseled with cross (X) 1- I C - 3878, with md. of stone 3 1/2 ft base by 3 ft. high alongside, whence, the N. 1/4 Cor.. Sec. 21, T. 11 S. R. 16 E. brs. N. 19° 46' W., 2521.4 ft.

An oak tree 12 ins. diam brs. N. 48° W. 18.3 ft.

No other bearings are available.

Thence N. 79° 12' E.

Va. 13° 30' E.

300.0 To N. end center. An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high. Scribed N. Cr. I.C.

600.0 To Cor. No. 2, identical with Loc. Mon.

A granite boulder 6 x 18 x 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 2 I C-3878, with md of stone 3 1/2 ft. base by 3 ft. high alongside.



Feet.

## MINERAL SURVEY NO. 3878

## IRON CAP lode Cont'd.

An oak tree 12 ins. diam. brs. N. 23° 45' W., 23.2 ft.

No other bearings are available.

Thence S. 10° 48' E.  
Va. 13° 30' E.

1000.0 To Cor. No. 3, on line 4-1 Hill Bird lode of this Sur.

A granite rock 10 x 12 x 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 3 I C - 3878, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

An oak tree 8 ins. diam. brs. S. 80° 45' W., 39.9 ft.

No other bearings are available.

Thence S. 79° 12' W.,  
Va. 13° 30' E.

300.0 To S. end Center, identical with Cor. Nos. 4-4 Hill Bird and Spring Brook lodes of this Sur. heretofore described.

600.0 To Cor. No. 4, On line 4-1 Spring Brook lode of this Sur.

A granite rock 14 x 16 x 8 ins. above ground, set 12 ins in the ground, chiseled with cross (x) 4 I.C - 3878, with md of stone 3 1/2 ft. base by 3 ft. high alongside

No bearings are available.

Thence N. 10° 48' W.  
Va. 13° 30' E.

1000.0 To Cor. No. 1, the place of beginning.

## LUCKY JIM lode.

Beginning at Cor. No. 1, identical with Loc. Mon. and Cor. No. 2 Spring Brook lode of this Sur.

A granite rock 10 x 10 x 8 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 1-L J, 2-S.B, - 3878 with md. of stone 3 1/2 ft. base by 3 ft. high alongside, whence the W. 1/4 Cor. Sec. 21 T. 11 S. r. 16 E. brs N. 59° 40' 30" W., 3028.5 ft.

An oak tree 24 ins. diam. brs. S. 4° 45' E., 16 ft. blazed and scribed 1-2, -3878 B.T.

No other bearings are available.

Thence S. 10° 48' E.



Feet. MINERAL SURVEY No. 3878.  
LUCKY JIM Lode - Cont' d.

Va. 13° 30' E.

300.0 To W. end Center. An oak post 4 ins. diam by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high scribed W. Cr. L J.

600.0 To Cor. No. 2.  
A granite rock 8 x 12 x 16 ins. above ground, set 12 ins. in the ground, chiseled with cross (x) 2-L J, - 3878, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.  
An oak tree 14 ins. diam. brs. S. 5° 15' E., 11. ft.  
No other bearings are available.  
Thence N. 79° 12' E.  
Va. 13° 30' E.

1410.0 Gulch brs. southeasterly.

1500.0 To Cor. No. 3, identical with Loc. Mon. and Cor. No. 3 Baltimore lode of this Sur. heretofore described.  
Thence N. 10° 48' W.  
Va. 13° 30' E.

300.0 To E. end center, identical with W. end center Baltimore lode of this Sur. heretofore described.

600.0 To Cor. No. 4, identical with Loc. Mon. and Cor. Nos. 3-3-and 4, Spring Brook, Hill Bird and Baltimore lodes of this Sur. heretofore described.  
Thence S. 79° 12' W.  
Va. 13° 30' E.

360.0 Gulch brs. southeasterly.

1500.0 To Cor. No. 1, the place of beginning.  
SPRING BROOK lode.  
Beginning at Cor. No. 1, identical with Loc. Mon.  
A granite rock 10 x 10 x 10 ins. above ground, set 12 ins. in the ground, chiseled with cross (X) 1-S B., -3878 with md of stone 3 1/2 ft. base by 3 ft. high alongside, whence, the W. 1/4 Cor. Sec. 21 T. 11 S. R. 16 E. brs. N. 69° 24' 40" W., 2672.4 ft.  
U.S. M.M. No. 1 brs. N. 71° 25' W., 2281.1 ft.



Feet.

MINERAL SURVEY NO. 3878.

SPRING BROOK lode- Cont'd.

An oak tree 8 ins. diam. brs. S. 10° 40' E. 6.8 ft.

No other bearings are available.

Thence S. 10 ° 48' E.  
Va. 13° 30' E.

300.0 To W. end center.

An oak post 4 ins diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high. Scribed W. Cr. S B.

600.0 To Cor. No. 2, identical with Loc. Mon. and Cor. No.1 Lucky Jim lode of this Sur. heretofore described.

Thence N. 79° 12' E.  
Va. 13 ° 30' E.

1140.0 Gulch brs. southeasterly.

1500.0 To Cor. No.3 , identical with Loc Mon. and Cor. Nos. 4-4 and .3 Lucky Jim, Baltimore and Hill Bird lodes respectively of this Sur. heretofore described.

Thence N. 10° 48' W.  
Va. 13° 30' E.

300.0 To E. end center, identical with W. end center Hill Bird lode of this Sur. heretofore described.

600.0 To Cor. No. 4, identical with Loc. Mon. and Cor. No. 4 Hill Bird lode and S. end center Iron Cap lode of this Sur. heretofore described.

Thence S. 79° 12' W.  
Va. 13° 30' E.

300.0 To Cor. No. 4 Iron Cap lode of this Sur. heretofore described.

1500.0 To Cor. No. 1, the place of beginning.

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LODE LINES

As near as can be determined from the present developments the veins of the several locations embraced in this claim extend as follows from their respective discovery points:-

Baltimore lode, S.79°12' W.,50 ft.,and 1450 ft. N. 79° 12' E.

Hill Bird lode, 380 ft. N. 79° 12'E. and 1120 ft. S. 79° 12' W.



Feet.

MINERAL SURVEY NO. 3878

Lode lines- Cont'd.

Iron Cap lode, 300 ft. S. 10° 48' E., and 700 ft. N. 10° 48' W.  
 Lucky Jim lode, 50 ft. N. 79° 12' E., and 1450 ft. S. 79° 12' W.  
 Spring Brook lode, 600 ft., S. 79° 12' W., and 900 ft. N. 79° 12' E.

AREA.

	Acres.
Total area Baltimore lode-----	20.661 ✓
Total area Hill Bird lode-----	20.661 ✓
Total area Iron Cap lode-----	13.774
Total area Lucky Jim lode-----	20.661 ✓
Total area Spring Brook lode-----	20.661 ✓

The survey of each lode of this location is identical with the respective locations as staked upon the ground.

LOCATION.

This survey is located in section 21 and the W 1/2 of the W 1/2 Sec. 22, unsurveyed, T. 11 S., R. 16 E.G. & S. R. M., within the Coronado National Forest.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of, each of the locations embraced in said mining claim by the claimant or his grantors is not less than five hundred dollars, and that said improvements consist of:

BALTIMORE Lode.

No.1 The discovery point, on the center line, 50 ft. from the center of line 3-4. A monument of stone 3 1/2 ft. base by 3 ft. high. No Value.

No.2 A shaft, the center of which hrs. from Cor. No. 3 N. 5° E., 280 ft. 4 x 6 ft. 10 ft. deep. Value \$100.0

No.3 A cut, the mouth of which hrs. from Cor. No. 3 North, 140 ft. 4 1/2 ft. wide by 8 ft. face, running S. 80° E. 15 ft. to face. Value \$100.0



## MINERAL SURVEY NO. 3878.

## EXPENDITURE OF FIVE HUNDRED DOLLARS.

No. 4, A shaft, the center of which hrs from Cor. No3 N. 10° W.;  
260 ft. 4 x 6 ft. 55 ft. deep.

Value \$550.0

No. 5 A cut the mouth of which hrs. from Cor. No.3 N. 66° E., 350  
ft. 4 1/2 ft. wide by 8 ft. face, running N. 45° W. 15 ft. to face.

Value \$100.0

No.6 A tunnel the mouth of which hrs from Cor. No. 3 N. 31° 15'E.  
450 ft. 4 x 6 ft. running N. 45° W., 30 ft. to face.

Value \$300.0

No. 7 A tunnel, the mouth of which hrs from Cor. No. 3 N. 56° E.  
680 ft., 4 x 6 ft. running N. 60 ° W., 50 ft.

Value \$ 500.0

No. 8 A tumel, the mouth of which hrs from Cor. No. 3 N. 58°30' E.  
770 ft., 4 x 6 ft. running N. 35 ft.

Value \$350.0

An undivided 1/7 interest in improvement No. 11 Lucky Jim lode  
hereinafter described, credited to this lode.

Value \$ 1140.0

## HILL BIRD lode.

No.1 The discovery tumel, the mouth of which being the discovery  
point is on the center line, 380 ft. from the center of line 1-2  
4 x 6 ft. running N. 10° E., 50 ft. to face.

Value \$500.0

No. 2. A tunnel, the mouth of which hrs. from Cor. No.1 S. 60°30'W.  
500 ft. 4 X 6 ft. running N. 10° W., 30 ft., thence N. 30° W., 40 ft.

Value \$700.0

An undivided 1/7 interest in improvement No. 11 Lucky Jim lode  
hereinafter described, credited to this lode.

Value \$1140.0

## IRON CAP lode.

No.1 The discovery point, on the center line 300 ft. from the  
center of line 3-4. A monument of stone 3 1/2 ft. base by 3 ft.  
high, on cropping.

No value.



## MINERAL SURVEY NO. 3878

## EXPENDITURE OF FIVE HUNDRED DOLLARS.

## IRON CAP Lode- Cont'd.

No. 2 A tunnel, the mouth of which brs. from Cor. No.4 N.28°45'E. 290 ft. , 4 x 6 ft. running N 67° E. 10 ft. to face. Value \$100.0

An undivided 1/7 interest in improvement No. 11 Lucky Jim lode hereinafter described, credited to this lode. Value \$1140.0  
LUCKY JIM Lode.

NO.1 The discovery point, on the center line, 50 ft. from the center of line 3-4. A monument of stone 3 1/2 ft. base by 3 ft. high, on cropping.

No value.

No. 2 A cut, the mouth of which is on the center line, 40 ft. from the center of line 3-4, 4 1/2 ft. wide , 8 ft. face, running N. 10° W. 15 ft. to face.

Value \$100.0

No. 3, A cut, the mouth of which is on the center line, 60 ft. from the center of line 3-4, 4 1/2 ft. wide, 8 ft. face, running N. 10° W., 15 ft. to face.

Value \$100.0

No. 4 A tunnel, the mouth of which brs. from Cor. No.3 N.12°15'W. 220 ft. 4 x 6 ft. running N. 30° E. 30 ft. to face.

Value \$300.0

No. 5 A cut, the mouth of which brs. from Cor. No.4 S.68°30' W., 560 ft. 4 1/2 ft. wide 8 ft. face, running S.48° W., 15 ft. to face.

Value \$100.0

No. 6 A cut, the mouth of which brs. from Cor. No. 4 S. 61° W., 680 ft. 4 1/2 ft. wide, 8 ft. face, running S. 65° W., 15 ft. to face

Value \$100.0

No. 7, A tunnel, the mouth of which is on the center line 680 ft from the center of line 3-4 4 x 6 ft. running S. 79° 15' W., 100 ft. to face.

Value \$1000.0

No. 8, A tunnel, the mouth of which brs. from Cor. No. 4 S. 57° W. 800 ft. 4 x 6 ft. running S. 65° W., 30 ft. to face.

Value. \$300.0

No. 9 A cut, the mouth of which brs from Cor. No. 1 S. 39° E., 400 ft. 4 1/2 ft. wide, 8 ft. face running S. 60° W. 15 ft. to face.

Value \$ 100.



## MINERAL SURVEY NO. 3878

## EXPENDITURE OF FIVE HUNDRED DOLLARS

## LUCKY JIM lode- Cont'd.

No. 10 A cut, the mouth of which brs from Cor. No. 4 S.  $68^{\circ}30'$  W. 90 ft.  $4\frac{1}{2}$  ft. wide , 8 ft. face, running N.  $10^{\circ}$  W. 15 ft. to face.

Value \$100.0

No. 11 A tunnel, the mouth of which brs. from Cor. No.3 N. $59^{\circ}45'$  W., 140 ft. 4 x 6 ft. running N. $23^{\circ}35'$  E., 155.8 ft. to Sta.2, thence N. $27^{\circ}35'$  E., 33.65 ft. to Sta. 3.

At N. $27^{\circ}35'$  E., 11 ft. from Sta.2 A drift 4 x 6 ft. running N. $10^{\circ}$  W., 46 ft. to face.

From Sta. 3 thence N.  $9^{\circ}30'$  W., 32 ft. to Sta.4, thence N. $17^{\circ}35'$  W., 21.7 ft. to Sta. 5, thence N.  $31^{\circ}20'$  W., 33.1 ft. to Sta. 6

At N. $31^{\circ}20'$  W., 15 ft. from Sta. 5 A drift 4 x 6 ft. running N. $50^{\circ}$  E., 35 ft. to face

From Sta. 6 thence N. $1^{\circ}50'$  W., 19.8 ft. to Sta.7

From Sta.6 thence N. $78^{\circ}$  W., 14 ft. to face.

From Sta. 7, thence N.  $20^{\circ}55'$  W., 36.5 ft. to Sta. 8

thence, N.  $34^{\circ}17'$  W., 13.1 ft. to Sta. 9 , thence N.  $4^{\circ}22'$  W., 21.2 ft. to Sta.10, thence N.  $21^{\circ}34'$  W., 21.1 ft. to Sta 11, thence N.  $2^{\circ}04'$  W., 33.2 ft. to Sta. 12, thence N.  $3^{\circ}38'$  W., 32.3 ft. to Sta. 13, thence N.  $16^{\circ}52'$  E., 21 ft. to Sta. 14, thence N. $12^{\circ}02'$  E. 34 ft. to Sta. 15

At N.  $12^{\circ}02'$  E., 10 ft. from Sta. 14 a drift 4 x 6 ft. running N. $75^{\circ}$  E., 38 ft. to face

From Sta. 15, thence N.  $7^{\circ}10'$  E., 32.4 ft. to Sta. 16, thence N.  $10^{\circ}45'$  W., 39.8<sup>ft</sup> to Sta. 17 ~~ft~~.

At N. $10^{\circ}45'$  W., 4 ft. from Sta. 16 is an upraise 4 x 6 ft. 35 ft. high.

From Sta. 17, thence N.  $11^{\circ}51'$  E., 14.9 ft. to Sta. 18, thence N.  $15^{\circ}36'$  W., 42.0<sup>ft</sup> to Sta. 19, thence N.  $1^{\circ}06'$  W., 27.5 ft. to face. Total length of tunnel 798.05 ft.

Total value \$7980.00

An undivided  $\frac{1}{7}$  interest is assigned to this claim.

This tunnel is a practicable and feasible main working tunnel



## MINERAL SURVEY NO. 3878

## EXPENDITURE OF FIVE HUNDRED DOLLARS.

## LUCKY JIM Lode- Con'td.

in the course of construction for the development of the five claims of this Survey consisting of the Baltimore, Hill Bird, Iron Cap, Lucky Jim and Spring Brook lodes, together with the Hill Top and Extention lodes, unsurveyed, both belonging to claimant herein. ~~As~~ By drifting and cross-cutting therefrom in different directions, towards and under the several mentioned claims the entire group may be advantageously developed and ore extracted therefrom, as all the discoveries are above the present floor of this tunnel,

This improvement is therefore a common improvement for the benefit of each of the seven mentioned claims.

An undivided  $1/7$  interest in this tunnel Value \$1140.0 is properly accredited to each of the above mentioned claims.

## SPRING BROOK lode.

No. 1 A cut, the face of which being the discovery point is on the center line 600 feet from the center of line 1-2, 4 1/2 ft. wide 8 ft. face running N. 70° E., 15 ft. to mouth.

Value \$100.0

No. 2 A cut, the mouth of which brs. from Cor. NO/ 1 S. 71° E., 740 ft. 4 1/2 ft. wide by 8 ft. face, running S. 60° W., 15 ft. to face.

Value \$100.0

No. 3 A cut, the mouth of which brs. from Cor. No. 3 S. 81° W. 460 ft. 4 1/2 ft. wide 8 ft. face, running S. 50° W., 15 ft. to face

Value \$ 100.0

An undivided  $1/7$  interest in improvement No. 11 Lucky Jim lode heretofore described, credited to this lode.

Value \$ 1140.0



## MINERAL SURVEY NO. 3878

## INSTRUMENT.

This survey was made with a Gurley mountain transit, the courses were deflected from the true meridian, as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

## REPORT.

The lode line of each location of this claim was run directly upon the ground, and the corners were established by running around the claims.

The N.E. Cor. Sec. 21, T. 11 S., R. 16 E. consists of a granite rock 8 x 12 x 12 ins. above ground, chiseled with 3 notches on the E. face and 3 notches on the S. face.

The N. 1/4 Cor. Sec. 21, T. 11 S. R. 16 E. consists of a quartzite rock 8 x 8 x 8 ins. above ground, chiseled with 1/4 S. 21 on the N. face.

The W. 1/4 Cor. Sec. 21, T. 11 S., R. 16 E. consists of a granite rock 8 x 10 x 12 ins. above ground, chiseled with 1/4 on the W. face.

U.S.M.M. No.1 consists of a pine post 4 ins sq by 8 ft. high (Badly decayed) in md. of stone 6 ft. base by 5 ft. high, scribed  
U.S.M.M. No.1

## ADJOINING CLAIMS.

On the North by the Hill Top lode, unsurveyed, On the East by the Hill Top and Extention lodes, unsurveyed, both belonging to claimant herein.



*Do not include in trans.*

## MINERAL SURVEY NO. 3878

Direct Solar Observation taken Wednesday January 17, 1923

At 2.52 P.M. Solar time- Sun bisected. Lat.  $32^{\circ}27'$  Lon.  $110^{\circ}43'$ 

Difference in time 10h 15 M

Apparent declination- $20^{\circ} 53' 1''$  ✓  
   4 56 '' ✓  
   —————  
    $20^{\circ} 48' 05''$  ✓

P- 90 + Dec'l-  $110^{\circ} 48'$  ✓

L- $32^{\circ}27'$  ✓  
 h- $23^{\circ}53'$  ✓  
 p- $110^{\circ}48'$  ✓  
 2) 167<sup>o</sup>08'  
     $83^{\circ}34' = S.$

$$\sin \frac{1}{2} A = \sqrt{\frac{\sin(S-L)(S-H)}{\cos L \cos H}}$$

S-L =  $51^{\circ}07'$  ✓  
 S-h =  $59^{\circ}41'$  ✓

0.8912172 ✓  
 9.9361360 ✓  
 0.0737296 ✓  
 0.0388772 ✓  
 2) 19.9399600  
     $9.9699800 = 68^{\circ}56'30'' = \frac{1}{2} A.$   
                                    $137^{\circ}53' = A$

180°  
137°53'  
 S.  $42^{\circ}07'$  W. = Course of Sun.  
    37°05' angle to right from Sun  
 S.  $79^{\circ}12'$  W ✓ = Course of line

Set up at Cor. No. 4 Lucky Jim lode, F.S. to Cor. No. 1



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by T. N. Stevens

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

Patrick Guerin

known as the BAITIMORE, HILL BIRD, IRON CAP, LUCKY JIM and SPRING BROOK lodes

and showing the respective capacities in which they acted.

W.H. Coplen, Chainman.

Chainman.

Asman.

Flagman.

## FINAL OATHS OF ASSISTANTS.

~~We~~, I. W.H. Coplen

~~and~~ do solemnly swear that <sup>I</sup> ~~we~~ assisted

T.N. Stevens

United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of PATRICK GUERIN

known as the BAITIMORE, HILL BIRD, IRON CAP, LUCKY JIM and SPRING BROOK lodes

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 <sup>my</sup> our knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

tions furnished by the United States Surveyor-General for Arizona

W.H. Coplen, Chainman.

Chainman.

Asman.

Flagman

Subscribed and sworn to by the above-named persons before me this 17<sup>th</sup>

day of February, 1923

My Commission Expires June 4, 1924

Isabel M. Rander  
Notary Public



4-686.

# FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the United States  
Surveyor General for Arizona, dated  
January 12, 1923, 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 Patrick Guerin,  
known as the  
BALTIMORE, HILL BIRD, IRON CAP, LUCKY JIM and SPRING BROOK Lodes,  
situate in Old Hat Mining District,  
Pima County, Arizona, in Section  
21-22 Unsur, Township No. 11 S., Range No. 16 E. G. & S.R. M.,  
and designated as Survey No. 3878, 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 per-  
petuated in strict accordance with the law, official regulations and instructions there-  
under; 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 his 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.

*T.N. Stevens*  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T.N. Stevens  
U. S. Mineral Surveyor, before me Isabel M. Rander  
a Notary Public this 17th  
day of February, 1923

My Commission Expires June 4, 1924

*Isabel M. Rander*  
Notary Public



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

DEPARTMENT OF THE INTERIOR,  
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

April 20, 1923.

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

Patrick Guerin

, known as the BALTIMORE, HILL BIRD, IRON CAP, LUCKY JIM,  
and SPRING BROOK lodes, situate in Old Hat

Mining District, Pima County,

Arizona, in Sections 21-22 Unsur, Township No. 11 S.,

Range No. 16 E., G. & S.R.M., and designated as Survey

No. 3878, 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 five hundred dollars' worth of labor has been expended  
or improvements made upon said mining claims <sup>or for each of</sup> by claimant or his grantors, and  
that said improvements consist of 11 cuts, 2 shafts and 10 tunnels.

total value \$13,780, of which \$2280, or 2/7 interest in

improvement No. 11 Lucky Jim lode, is reserved for the

Hill Top and Extention lodes, Sur. 3890.

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 P. Trott

United States Surveyor General for Arizona.



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,

April 20, 1923.

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

Patrick Guerin

, known as the

BALTIMORE, HILL BIRD, IRON CAP, LUCKY JIM, and SPRING BROOK Lodes

situate in Old Hat mining district,

Pima County, Arizona

in Sections 21-22 Unsur., Township No. 11 S., Range No. 16 E.

, designated as Survey No. 3878

executed by T. N. Stevens, U. S. Mineral

Surveyor, January 17 - 23, 1923, under my instructions dated

January 12, 1923, have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and the survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is on file in this office and a true copy of said certified copy of said location certificate is included and made a part of the transcript of the field notes.

[Handwritten signature]

U. S. Surveyor General for Arizona