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PRINTED: 09/21/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: INDEPENDENCE

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 1147

LOCATION: TOWNSHIP 12.5N RANGE 2 W SECTION 32 QUARTER S2
LATITUDE: N 34DEG 25MIN 10SEC LONGITUDE: W 112DEG 29MIN 38SEC
TOPO MAP NAME: GROOM CREEK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
GOLD
SILVER
COPPER SULFIDE

BIBLIOGRAPHY:
ADMMR INDEPENDENCE FILE
YAVAPAI MAGAZINE JUNE 1921 P 10
USGS CRIB INFORMATION

* GENERAL REFERENCES

Make File MILS p. 8865

REFERENCE 1 F1 <USBM-ABGMT [illegible] L..IA

REFERENCE 2 F2 <ABGMT CLIPPINGS FILE DATA → Data

REFERENCE 3 F3 <YAVAPAI MAGAZINE, 1921, V. II, #6, P. 10.

REFERENCE 4 F4 <USGS GQ MAP GQ 997

AB2 (MADERICK MOUNTAIN)

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>

*RECORD TYPE B20 <X,1,M>

DEPOSIT NUMBER B40 <>

*REPORT DATE G1 <8,1,/,1,2> (YR. MO.)

*INFORMATION SOURCE B30 <1,2,>

*FILE LINK IDENT. B50 <USBM-004025 1165>

*REPORTER(SUPERVISOR) G2 <LARABA, PETER> (last, first, middle initial) <DEWITT, ED> (last, first, middle initial)

*REPORTER AFFILIATION G5 <ABGMT>

*SITE NAME A10 <INDEPENDENCE MINE>

SYNONYMS A11 <>

LOCATION

*MINING DISTRICT/AREA A30 <HASSAYAMPA DISTRICT>

*COUNTY A60 <YAVAPAI>

*STATE A50 <A,Z>

*COUNTRY A40 <U,S>

*PHYSIOGRAPHIC PROV A63 <1,2,>

*DRAINAGE AREA A62 <1,5,0,7,0,1,0,3,>

*LAND STATUS A64 <0,0,> ( )

*QUADRANGLE NAME A90 <GROOM CREEK> (1,9,7,4,)

*QUADRANGLE SCALE A100 <2,4,0,0,0,>

SECOND QUAD NAME A92 <> ( )

SECOND QUAD SCALE A91 <>

*ELEVATION A107 <5,8,0,0, FT>

UTM

*NORTHING A120 <3,9,0,9,4,7,5,>

*EASTING A130 <3,6,2,7,1,8,>

*ZONE NUMBER A110 <+,1,2,>

*ACCURACY

ACCURATE ACC (circle)

ESTIMATED EST <>

GEODETIC

*LATITUDE A70 <- - N>

*LONGITUDE A80 <- - W>

CADASTRAL

*TOWNSHIP(S) A77 <1,2,5,N>

*RANGE(S) A78 <0,0,2,W>

*SECTION(S) A79 <32>

*SECTION FRACTION(S) A76 <SW OF SE OF SW>

*MERIDIAN(S) A81 <GILA AND SALT RIVER>

*POSITION FROM NEAREST PROMINENT LOCALITY A82 <5 MILES W-NW OF MT. UNION LOOKOUT TOWER; 1.3 MILES SW OF>

*LOCATION COMMENTS A83 <LOCATED 0.1 MILES NORTH OF BIG CHIEF MINE.>

* ESSENTIAL INFORMATION

- ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 < K.U. AG. >
ORE MINERALS C30 < UNKNOWN. PHIDES. GOLD >
COMMODITY SUBTYPES C41 <
GEN. ANALYTICAL DATA C43 < NO
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

PRODUCER		NON-PRODUCER	
MAJOR PRODUCTS	MAJOR < AU. >	MAIN COMMODITIES PRESENT	C11 < >
MINOR PRODUCTS	MINOR < AG. C.U. >	MINOR COMMODITIES PRESENT	C12 < >
POTENTIAL PRODUCTS	POTEN < >		
OCCURRENCES	OCCUR < >	OCCURRENCES	OCCUR < >

*PRODUCTION

PRODUCER	NON-PRODUCER
PRODUCTION (YES) (circle) PRODUCTION SIZE (SML) MED LGE (circle one)	PRODUCTION UND NO (circle one)

EXPLORATION OR DEVELOPMENT

*STATUS

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < H. >	STATUS AND ACTIVITY A20 < >

DISCOVERER L20 <
YEAR OF DISCOVERY L10 < > NATURE OF DISCOVERY L30 < B. > YEAR OF FIRST PRODUCTION L40 < 1906 > YEAR OF LAST PRODUCTION L45 < 1942
PRESENT/LAST OWNER A12 <
PRESENT/LAST OPERATOR A13 < H. J. GROVER (1942)
EXPL./DEV. COMMENTS L110 < CONSISTS OF FIVE CLAIMS. PROPERTY IS CONTROLLED BY J.A. FORBES (1921)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < VEIN
DEPOSIT FORM/SHAPE M10 < TABULAR
DEPTH TO TOP M20 < > UNITS M21 < > MAXIMUM LENGTH M40 < > UNITS M41 <
DEPTH TO BOTTOM M30 < 250 > UNITS M31 < FT > MAXIMUM WIDTH M50 < > UNITS M51 <
DEPOSIT SIZE M15 < SMALL > M15 < MEDIUM > M15 < LARGE > (circle one) MAXIMUM THICKNESS M60 < 3 > UNITS M61 < FT
STRIKE M70 < > DIP M80 <
DIRECTION OF PLUNGE M100 < > PLUNGE M90 <
DEP. DESC. COMMENTS M110 < INDEPENDENCE VEIN

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one) OVERALL LENGTH M190 < 450 > UNITS M191 < FT
DEPTH BELOW SURFACE M160 < 250 > UNITS M161 < FT > OVERALL WIDTH M200 < 10 > UNITS M201 < FT
LENGTH OF WORKINGS M170 < 1500 > UNITS M171 < FT > OVERALL AREA M210 < 4500 > UNITS M211 < SQ. FT
DESC. OF WORK. COM. M220 < 440 FT TUNNEL ON THE VEIN GOES TO A DEPTH OF 250 FT. 70 FT WINZE IS SUNK 300 FT FROM THE PORTAL OF THE TUNNEL. THERE IS A 30 FT DRIFT AT THE BOTTOM OF THE WINZE. THERE IS A TOTAL OF 1,500 FT OF WORKINGS (1921)

GEOLOGY

AGE OF HOST ROCK(S) K1 < P.R.O.T., T.E.R.T., U/PB ZIRCON GREATER THAN 1760 MILLION YEARS; UNDATED
HOST ROCK TYPE(S) K1A < AMPHIBOLITE, SLATE, MINOR SCHIST; RHYOLITE
AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., T.E.R.T., U/PB ZIRCON GREATER THAN 1760 MILLION YEARS
IGNEOUS ROCK TYPE(S) K2A < META-BASALT; RHYOLITE
AGE OF MINERALIZATION K3 < C.R.E.T.-P.A.L.E.O., UNDATED, PROBABLY PALEOCENE-MIOCENE, POSSIBLY PRECAMBRIAN
PERT. MINERALS (NOT ORE) K4 < QUARTZ, PYRITE
ORE CONTROL/LOCUS K5 < FAULTING, SHEARING
MAJ. REG. TRENDS/STRUCT. N5 < FOLIATION IN PRECAMBRIAN ROCKS TRENDS N-S TO N 10 W
TECTONIC SETTING N15 <
SIGNIFICANT LOCAL STRUCT. N70 < DIKES AND VEINS PARALLEL FOLIATION
SIGNIFICANT ALTERATION N75 < NONE
PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR SURFACE
FORMATION AGE N30 < P.R.O.T., U/PB ZIRCON GREATER THAN 1760 MILLION YEARS
FORMATION NAME N30A < UNDIFFERENTIATED GREEN GULCH VOLCANICS AND UNNAMED METAMORPHIC UNITS
SECOND FM AGE N35 <
SECOND FM NAME N35A <
IGNEOUS UNIT AGE N50 < C.R.E.T.-T.E.R.T.
IGNEOUS UNIT NAME N50A < UNNAMED RHYOLITE DIKES
SECOND IG. UNIT AGE N55 <
SECOND IG. UNIT NAME N55A <
GEOLOGY COMMENTS N85 < DEPOSIT IS VEIN WHICH CUTS PRECAMBRIAN METAVOLCANIC AND METASEDIMENTARY ROCKS. RHYOLITE PORPHYRY DIKES OF PROBABLE CRET-TERT AGE ASSOCIATED WITH VEINS

GENERAL COMMENTS

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Yavapai Magazine
June 1921

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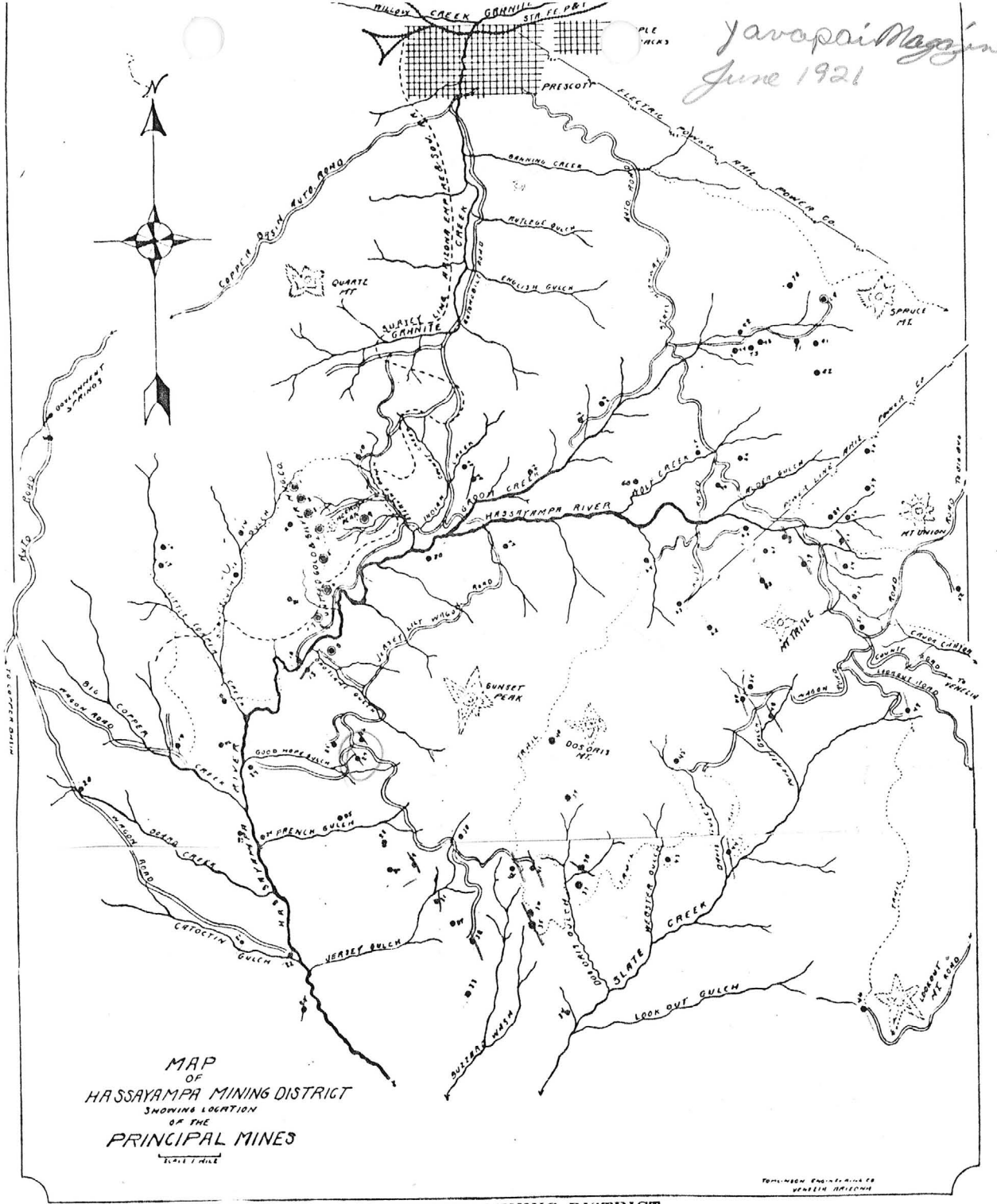

HASSAYAMPA MINING DISTRICT

The Mine Can Be Located on the Map by the Number in the List

1. Little Britain.
2. American Eagle.
3. Gold Bug.
4. Mormon.
5. La Unidad.
6. Ohio.
7. Oro Grande.
8. Oro Flame.
9. Snowstorm Group.
10. Mexican Group.
11. Philips.
12. Elk.
13. Perry.
14. Sunnysouth.
15. Rattler.
16. Baird Group.
17. R. A. M. Group.
18. Lucky Strike.
19. Green Mountain Group.
20. Sink to Rise.
21. Catoctotin.
22. Climax.
23. White Spar.
24. Little Johnny.
25. Ruby Silver.
26. Little Buck.
27. N. C. 4.
28. Forbes.
29. Independence.
30. Keystone Group.
31. Rail Road.
32. Jersey Lily.
33. Weiser Group.
34. First Chance.
35. Buzzard.
36. Raven.
37. Crow.
38. Dos Oris.
39. Hawk.
40. Eagle.
41. Blue Dick.
42. Mark Twain.
43. Webster.
44. Davis.
45. Hatz.
46. Lookout.
47. Tilly Starbuck.
48. Wren.
49. Dunkirk.
50. Poverty.
51. Grub.
52. Mt. Union Con.
53. Snoozer. Senator
54. Cash.
55. Stormcloud Group.
56. Josephine.
57. Chicago.
58. Ratcliffe Group.
59. Ten Spot— Senator
60. Senator.
61. Black Horse.
62. Meadors.
63. Big Pine.
64. Miller & Kendall.
65. Delta.
66. Magwood Copper Co.
67. Emporia.
68. Yellow Jacket.
69. Midnight Test.
70. Prince Albert.
71. Home Run.
72. Monte Cristo.
73. Empire.
74. Silver King.
75. Ideal.
76. Snowflake.
77. Monroe.
78. Gold Blossom.
79. Ruth.
80. Wallace.
81. New State.
82. Delaney.
83. Billy Boy.
84. Christmas.
85. Paymaster.
86. Jim Crow.
87. Husted.
88. Sundance.
89. Snow Clad.
90. Sunnyside.
91. Behm.
92. Nevada.
93. Alma.
94. Hidden Treasure.

mill on the Oro Grande claim.

4. Mormon—The Sterling vein, described in the preceding paragraphs, continues through the Mormon claim. A 110-foot shaft shows from 2 feet to

and tunnels on the vein have blocked out considerable ore of milling grade. The claim belongs to the United G. & S. Mining Company. Their mill will

a 32-foot ledge of ore carrying $6 values. An 800-foot cross-cut tunnel encountered this ledge at a depth of 510 feet. The ore body at this point showed values of only $4 per ton. It

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from the south drift on this level that $15,000 of high grade ore was n. An upraise of 100 feet was ma to connect with the 300 level. A cross-cut was also made on the 400 level of the Cub vein.

The property has paid its way from the beginning. In opening up the mine, enough water for all camp purposes was developed. By means of a pump all water needed for milling is secured direct from the river.

The mine is equipped with a 10-stamp mill, which is located at the portal of the No. 5 tunnel. This enables the ore to be handled very economically.

Work was closed by the Climax Mining Company in October, 1916. At that time Superintendent Duncan reported a last cleanup of $2,065 as a result of 73 shifts of work. This would mean returns to the company of nearly $20 per day for each man employed.

R. M. Martin, 1002 Citizens Bank Building, Los Angeles, is president of the company and one of the largest stockholders. M. E. Spaulding of Prescott is the secretary.

23. White Spar Group—Consists of three patented claims through which run three parallel ledges about 40 feet apart. The ore is a white lime spar. The pay streak occurs in lenses varying in width from a few inches to two feet and of varying depth. In places the brittle silver, chloride and galena occur quite massive. Considerable high grade silver ore was shipped when the ore had to be packed 100 miles over wild country to reach the Santa Fe. This indicates its high grade. It is estimated that the waste dumps contain 1,000 tons of ore that would pay handsomely if it were concentrated on the property. There is a 200-foot tunnel on the west ledge and a 150-foot tunnel on the center ledge. The ore has been largely stoped from these workings above the tunnel levels. The present showing and the past record warrants the expenditure necessary for the opening up of new ore chutes. A forest of pine and oak is close at hand. The workings are within 1¾ miles of the Hassayampa river. There is a living spring within 3,000 feet of the main workings. The mine is 18 miles from Prescott and 11 miles from Kirkland. Ed Block, Prescott, is the owner.

24. Little Johnnie Group—Is located on Zero Gulch near the Hassayampa river. There are four claims in the group. The property is controlled by Harrington Blauvelt, who has sorted out and sold 10 small shipments of ore. These shipments returned values of from $40 to $60 per ton. The Little Johnny is strictly a gold mine. The ores contain less than two ounces of silver with no lead or zinc and only traces of copper. It is an east and west vein, which is unusual in this section. The principal workings consist of an easterly tunnel about 350 feet long driven on the vein and a westerly tunnel driven about 150 feet, the portal of which is on the opposite side of the other 100 feet on the lower tunnel is expected to open up a shoot of ore which showed in the upper tunnel.

26. Little Buck—Was worked by a Mr. Rubert and his sons in early days and considerable high grade silver ore was prodouced. It has been idle for many years.

27. NC. 4—Is one of the historical silver properties of Arizona. It is about 10 miles from Prescott, on the Jersey Lily road. The gross production, as the Zero, has been approximately $40,000. The cost of extracting this ore and treating it was about $17,000. It, therefore, yielded over $2 for every dollar spent on it by the early operators. As yet, the work has all been on the surface.

The property is now being opened by the NC 4 Company, under the direction of Eli Perkins. From a 75-foot shaft, a drift has been run to the north to encounter the bonanza shoot of early days. Milling ore is encountered in abundance. The exploratory work is being continued to establish the high grade ore shoots that are indicated by the old workings and the outcroppings.

29. Independence Group—Consists of five claims and a mill site. There are about 1500 feet of workings and the mine is equipped with an old-fashioned Lane mill. A 440-foot unnel on the Independence vein gives a depth of 250 feet. A 70-foot winze was sunk 200 feet from the portal of the tunnel. The bottom of this winze shows five feet of sulphide ore averaging $7. A 30-foot drift from the bottom of the winze encountered high grade shipping ore of which nothing has been stoped. The main tunnel follows the ore body through its entire length. In the breast of the tunnel the vein is three feet wide and carries values varying from $30 to $36. The principal value is gold. The ore body is a kind of porphyry

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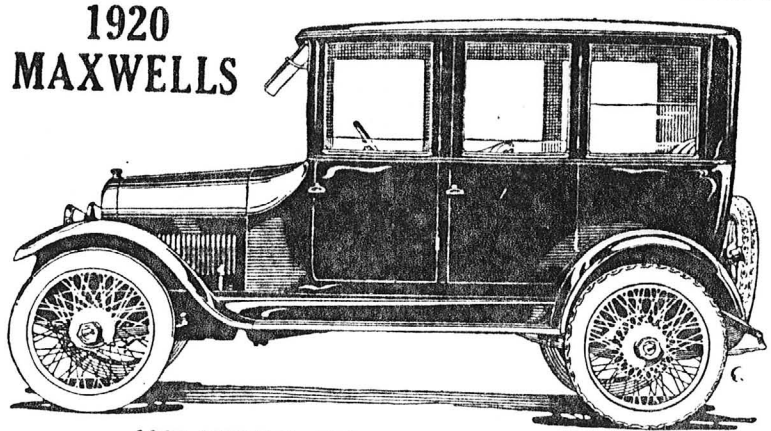
1920 MAXWELLS



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TRUCKS—F. W. D. 3-TON, MAXWELL 1½ TON.

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and is remarkably soft and easy to work.

The mine produced considerable high grade ore in the early days. There is a record of $10,000 having been recovered from the shipment of less than 100 tons that was made about 20 years ago.

The present management installed the Lane mill. It was used for about four months. At the end of that time the mill, which was of cast iron, was found to be worn out. The ore returned $10 in value. The tailings showed a value of $4.

The property is controlled by J. A. Forbes, who also controls the Railroad and the Husted groups, which could be worked profitably in conjunction with the Independence group.

30. Keystone Group—Consists of nine claims north of the Blue Dick and nine claims running parallel to the Blue Dick and west of it and nine more claims running parallel to the Blue Dick and east of it. The property is controlled by John P. Kelly.

All these claims have been prospected by numerous shafts and tunnels and extensive ore bodies of considerable value established.

31. Railroad Group—Is a single patented claim belonging to Judge E. W. Wells. The Railroad vein runs parallel to the Independence vein. A tunnel from the gulch on the Independence property would give a depth of over 700 feet. In early days considerable high grade ore was shipped from this property. The only workings are a shaft 35 feet deep and a small tunnel.

32. Jersey Lily—Consists of two patented claims, covering about 28 acres. Much high grade ore has been shipped from this property. About 20 years ago it was taken over by an English syndicate. They sunk the main shaft to a depth of 400 feet. Because of a shift in the dip of the ore body, the last 200 feet was in country rock. There is considerable work on all the levels. A large volume of ore was stoped from the first and second levels, although there is still ore standing in the mine.

Owing to personal quarrels which led to a legal squabble among the promoters, the company failed to continue its payments and the property reverted to the owners. Assays of samples run as high as $1,028.60 to the ton. Shipments of ore made in 1896 produced the following results:

When Shipped	Pounds Shipped	Ounces Gold	Ounces Silver	Value Per Ton
June 12	18,983	6.90	1.30	$138.80
Nov. 11	1,970	6.67	1.70	194.40
Nov. 11	2,743	5.89	2.20	119.10
Nov. 11	20,632	6.84	1.70	137.80

In 1898, 150 tons of the lower grade ore was sent to the Pickrell mill in the Senator district nearby. The returns were: Free gold, $1,161.58; concentrates, $1,742.05; total, $2,903.63. This indicated a value of nearly $20 to the ton of recovery.

Crosscuts were being driven from both the third and fourth levels when work stopped. In no instance had the crosscut been driven far enough to encounter the vein

The equipment includes a 50-h.p. boiler, a 9x10 double cylinder friction hoist, 700 feet of 7/8-inch cast steel wire rope, a 4-room administration building, a boarding house for 70 men, two bunk houses, one for 12 men and one for 20 men, outhouses, stable, corral, etc. There is ample

Hill, H. S. Antrim, George D. Christy and a few other Phoenix capitalists took hold of it and, under the management of Ed L. Tomlinson, have opened up a big body of rich silver-lead ore on the Buzzard claim. Present mining methods will make it highly profitable to concentrate large bodies of ore that could not have been mined to advantage forty years ago. Sufficient ore is now stored on the dumps and blocked out to warrant the installation of a reduction plant. The management is planning this at the present time.

41. Blue Dick—This was one of the noted producers of early days. It belonged to Governor Tritle. The records show that in the early 90's two leasers. Tom Brown and Jack McDonald, paid the owner $7,000 in 17 months as his royalty of 12½ per cent of the ore they produced. The ore is silver-lead. The property is owned by the Slate Creek Mining Company. The principal stockholders are in Cleveland, Ohio. A smelter was built at the mine but was never blown in. The property has lain idle for many years.

42. Mark Twain—This property consists of four claims immediately north of the Blue Dick. There has been some surface work. The property belongs to the Frank Murphy estate.

44. Davis Group—Consists of 8 claims. The ore carries gold, silver and copper. It is about 18 miles from Prescott and is connected with the State Highway by a good road. Much high grade ore was taken from the property. It is developed by a tunnel and winze. It has never had the benefit of regular development. In recent years Joe Caspari took out about 1,000 tons of ore running over $60 a ton from above the main tunnel and by stoping. The property has been acquired by a group of Boston capitalists who have started a drift 250 feet below the present tunnel and plan running it in at least 1,000 feet.

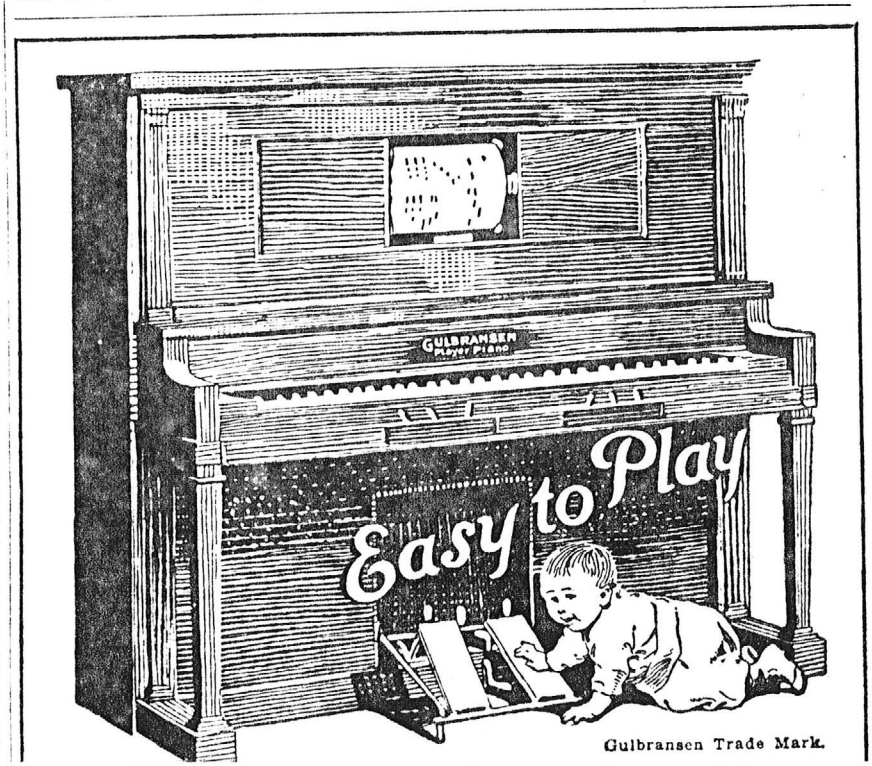
46. Lookout Copper Co.—Controls four mines: the Lookout group of five claims, the Davis group of 8 claims, the Bodie group of 13 claims and the Mark Twain group. Control of these properties lies with the F. M. Murphy estate, of which A. W. Edwards of Prescott is manager. The New York office of the company is at Room 514, No. 99 Wall street, New York City.

47. Tillie Starbuck Group—Was bought about 16 years ago by Major A. J. Pickerell, who at once began a systematic campaign of development. It consists of 10 patented claims and 2 held by location. In 1916, when the Tillie Starbuck Company was incorporated, there were approximately 30,000 tons of commercial milling ore blocked out that will average better than $10 per ton. The values are in silver, with some gold. There are three main tunnels. Tunnel No. 1 is in over 800 feet and exposes the two main ore shoots. A 3,000-foot tunnel on the vein picked up both these shoots. Later it pickfled up an oxidized gold shoot and then a silver shoot. Tunnel No. 3 is a crosscut tunnel. It encountered the vein at 640 feet and 1,000 feet of drifting has been done, cutting the various known shoots.

The ore shoot on tunnel No. 2 averages from 1 to 6 feet wide for 100 feet, and ranges from $10 to $20. The Gardner ore shoot is proven to a depth of 535 feet, varies from 2 to 12 feet in width and from 75 to 90 feet long. A carload shipment plated $10, and $4 was lost in the tailings.

An isue of stock, aggregating $27,500, was made recently. The management proposes to mill the bodies of ore blocked out by the tunnels and numerous upraises. Oil tests show that from 85 to 90 per cent of the values can be recovered by a concentration of 30 to 1.

49. Dunkirk Group—Consists of 11 claims. It belongs to the Castle Copper Co. It has been developed by four main tunnels at intervals of 100 feet. The tunnels are 150 feet, 160 feet, 170 feet and 300 feet long. The chief values are in copper and gold, with some silver and lead sulphides. It is equipped with a 40-ton Nissen mill, three Wilfley tables, a 100-ton ore bin, a 10,000-gallon water tank and necessary camp houses, etc. This property has been taken over by the



Gulbransen Trade Mark.