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Phoenix, AZ 85007
602-771-1601
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PRINTED: 08/16/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SILVER KING

ALTERNATE NAMES:
PATENTED CLAIM MS 461
PATENTED CLAIM MS 462
PATENTED CLAIM MS 2052
PATENTED CLAIM MS 2161
SILVER KING MINING CO. PROP.
SEVENTY FOUR
FORTUNA
WHITE HORSE
LAST CHANCE
CALIFORNIA

PINAL COUNTY MILS NUMBER: 92

LOCATION: TOWNSHIP 1 S RANGE 12 E SECTION 24 QUARTER NW
LATITUDE: N 33DEG 19MIN 49SEC LONGITUDE: W 111DEG 05MIN 13SEC
TOPO MAP NAME: SUPERIOR - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
SILVER
COPPER
LEAD
GOLD LODE
ZINC
ANTIMONY

BIBLIOGRAPHY:
ADMMR SILVER KING MINE FILE
RANSOME, F.L., USGS BULL. 540, P. 139
JONES, E.L. JR. & F.L. RANSOME, USGS BULL. 710-D, P. 159
SHORT, M.N., ET.AL. AZBM BULL. 151, P. 7, 11-13, 139-154
BLM MINING DISTRICT SHEET 608
ADMMR "U" FILE, PINAL AG1

CONTINUED ON NEXT PAGE

CONTINUATION OF SILVER KING

ADMMR MAGMA COPPER CO. FILE
FARNHAM, L.L. ET.AL., USBM IC 7990, 1961,
FIG. 18 P. 126
ELSING, M.J., AZBM BULL 140, P 99; 1939
ADMMR "U" FILE, PINAL AG1
GALBRAITH, FREDERIC GEOLOGY OF SILVER KING
AREA, SUPERIOR AZ, PHD THESIS U OF AZ 1935
DUNNING, CHARLES H. SILVER 1966, P 113-121
ARIZONA MNG. JOUR. JULY 1, 1922, P. 37
DUNNING, CHARLES H., ROCK TO RICHES, 1959,
P. 116-118
HINTON, RICHARD J., 1000 OLD AZ MINES 72-73
SEE ADMMR BLACK DIAMOND GROUP FILE - FISCHER
WATT 1980-82 EXPLORATION DATA

NAME OF MINE: SILVER KING
OWNER: Bat Gays, Box 713, Superior

COUNTY: Pinal
DISTRICT:
METALS: Ag

Date:	OPERATOR AND ADDRESS	Date:	MINE STATUS
4/45	Mabry, Supt., Superior	4/45	Diamond drilling

[redacted]

MINING INL-1-15-42-P.17

SILVER KING MINE PINAL COUNTY

ABM Bull. 143 p. 40
ABM Bull. 151 p. 139

USGS Bull. 540 p. 143

E&MJ Vol 46 p. 542
E&MJ Vol 47 p. 85

Arizona Mining Journal Issues of sept 1917 p. 23
April 1918 p. 13 June 1919 p. 58,70 March 1920 p. 24
April 1920 p. 24 June 1920 p. 40 May 15, 1921 p. 19

Arizona Department of Mines and Mineral Resources

INFORMATION FROM MINE CARDS IN MUSEUM

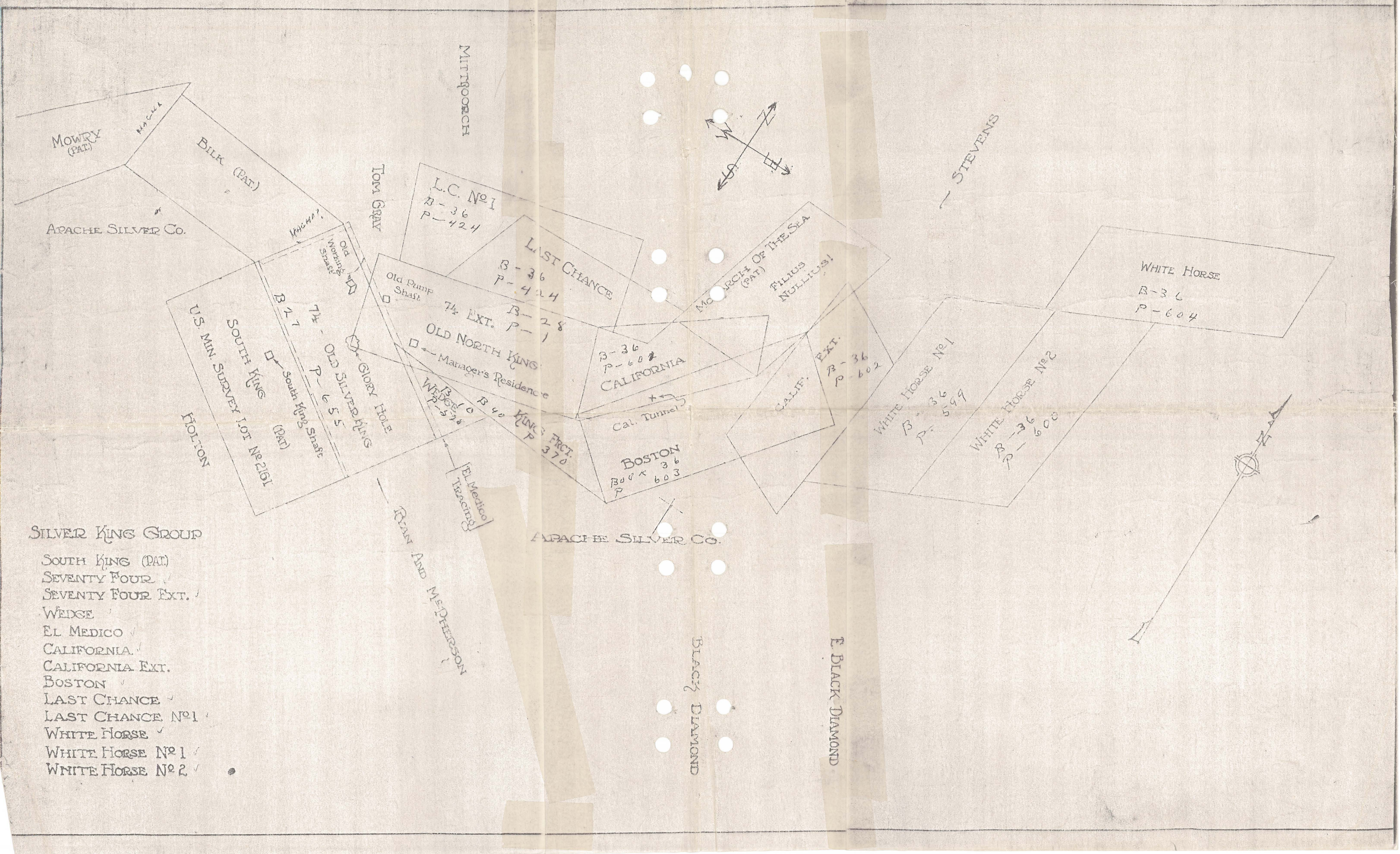
ARIZONA

PINAL COUNTY

NEAR SUPERIOR
Silver District.
SILVER KING MINE

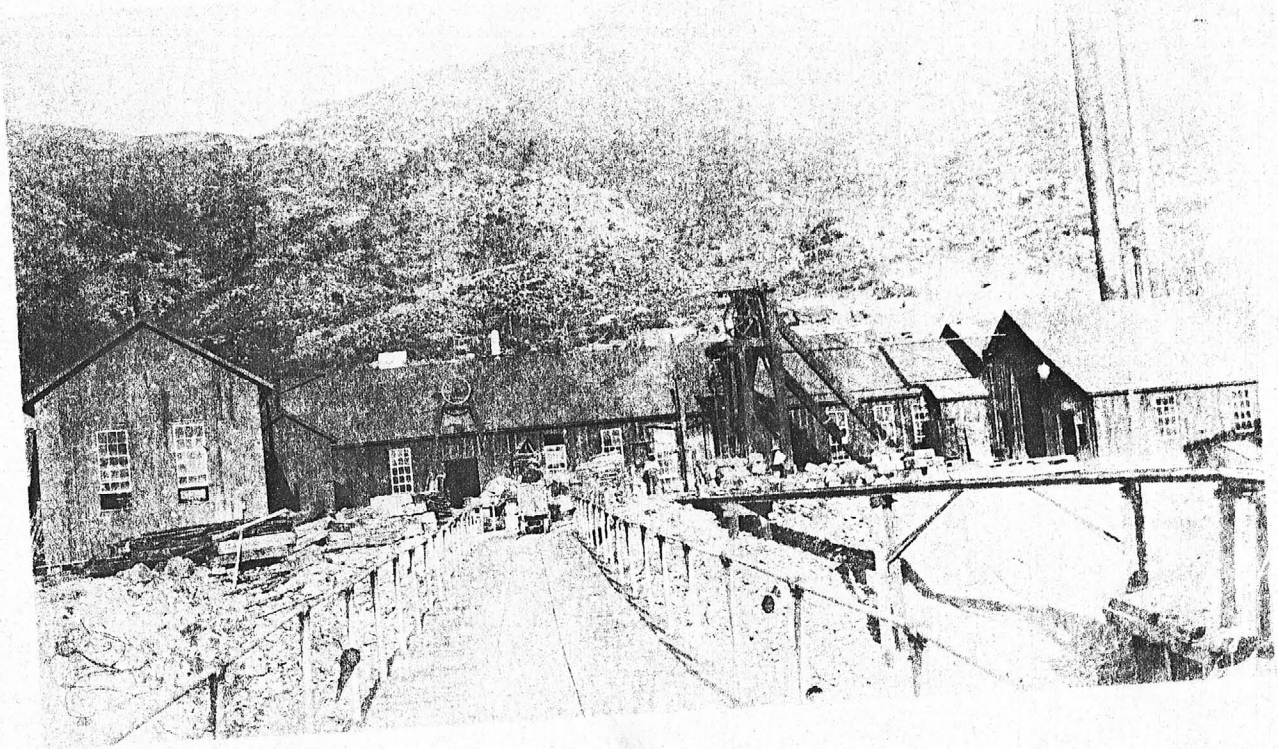
92
MILS # ~~485A~~.
10-AKA's
Silver King Mine file

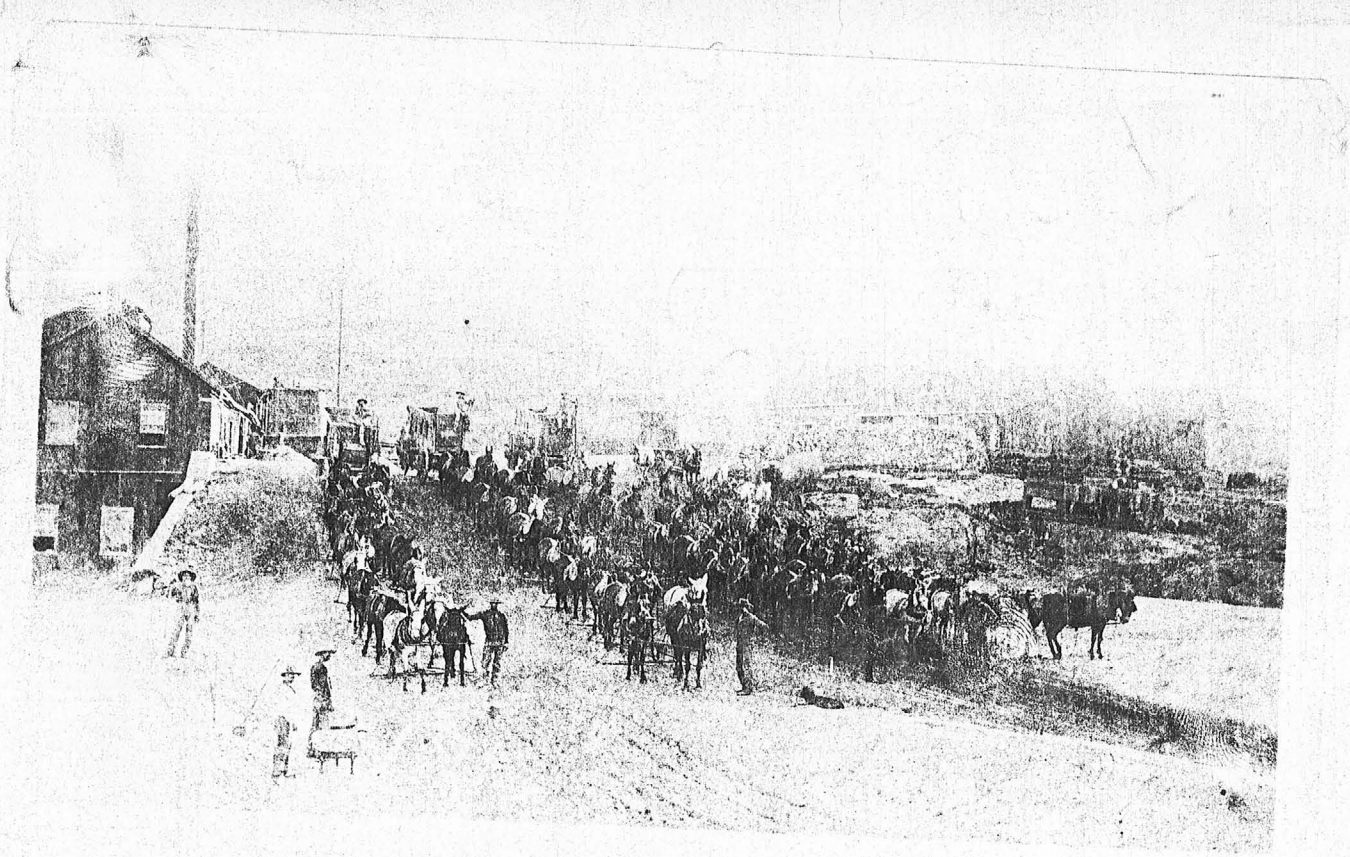
MM-222	Azurite & Malachite
1199	Azurite
1367	Vanadinite

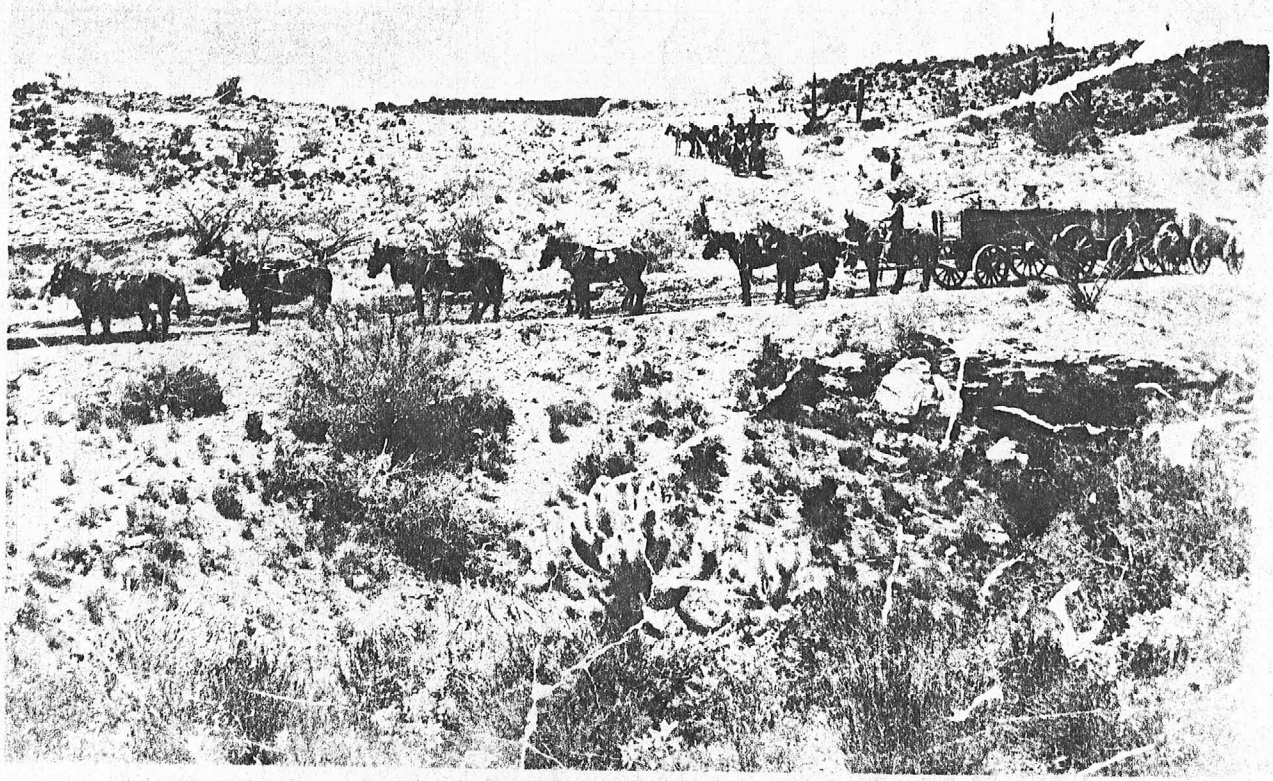


SILVER KING GROUP

- SOUTH KING (PAT.)
- SEVENTY FOUR
- SEVENTY FOUR EXT.
- WEDGE
- EL MEDICO
- CALIFORNIA
- CALIFORNIA EXT.
- BOSTON
- LAST CHANCE
- LAST CHANCE Nº 1
- WHITE HORSE
- WHITE HORSE Nº 1
- WHITE HORSE Nº 2







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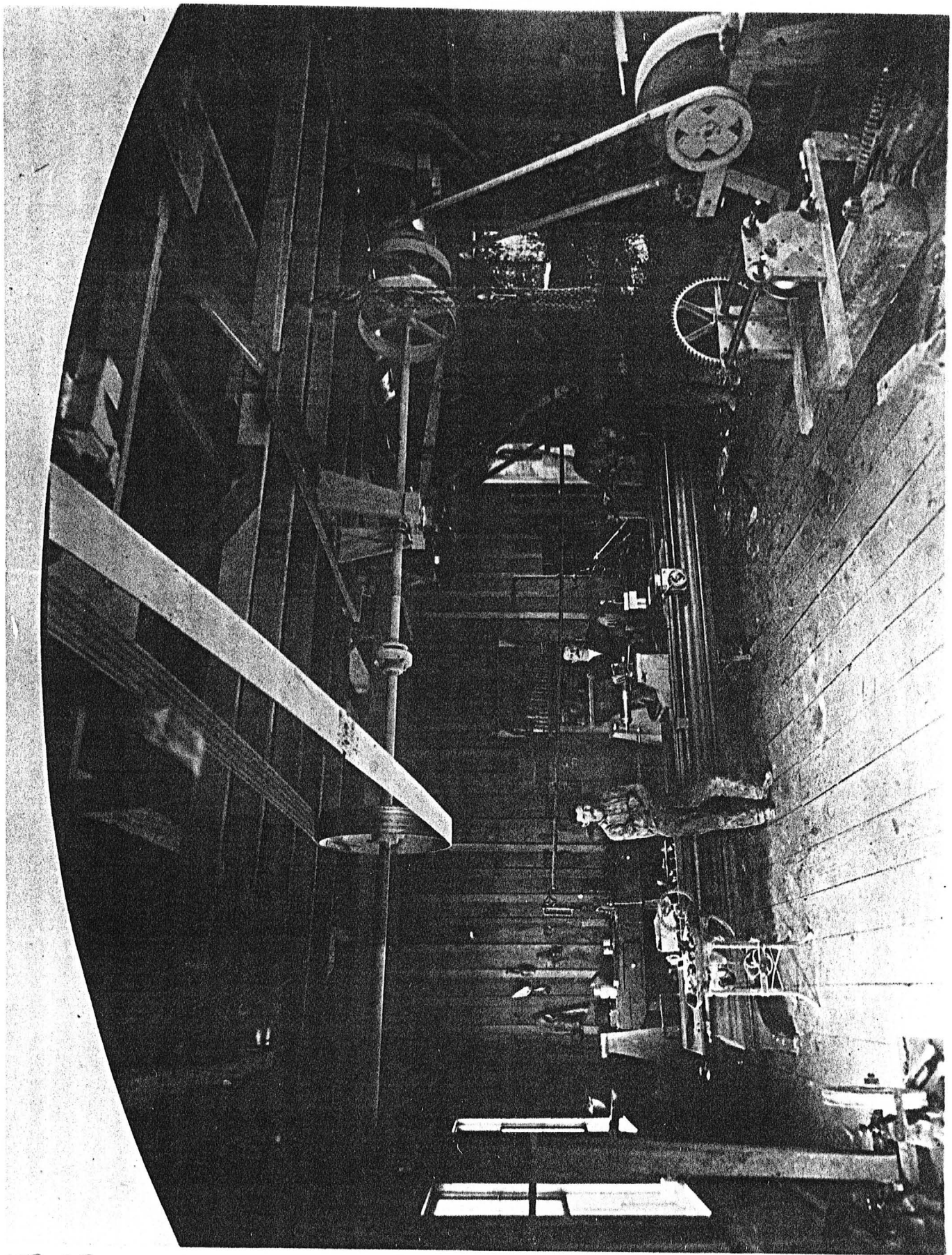

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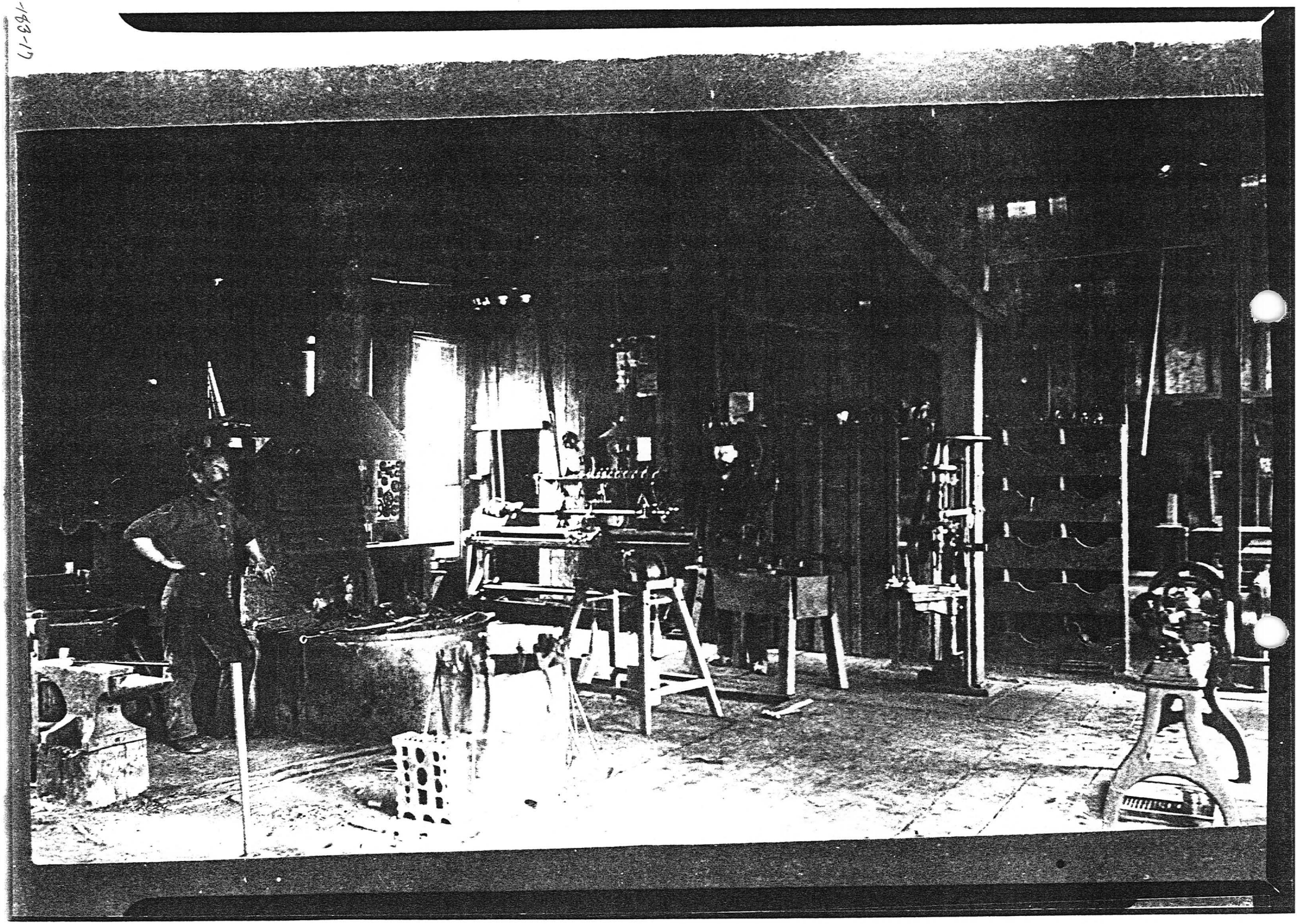
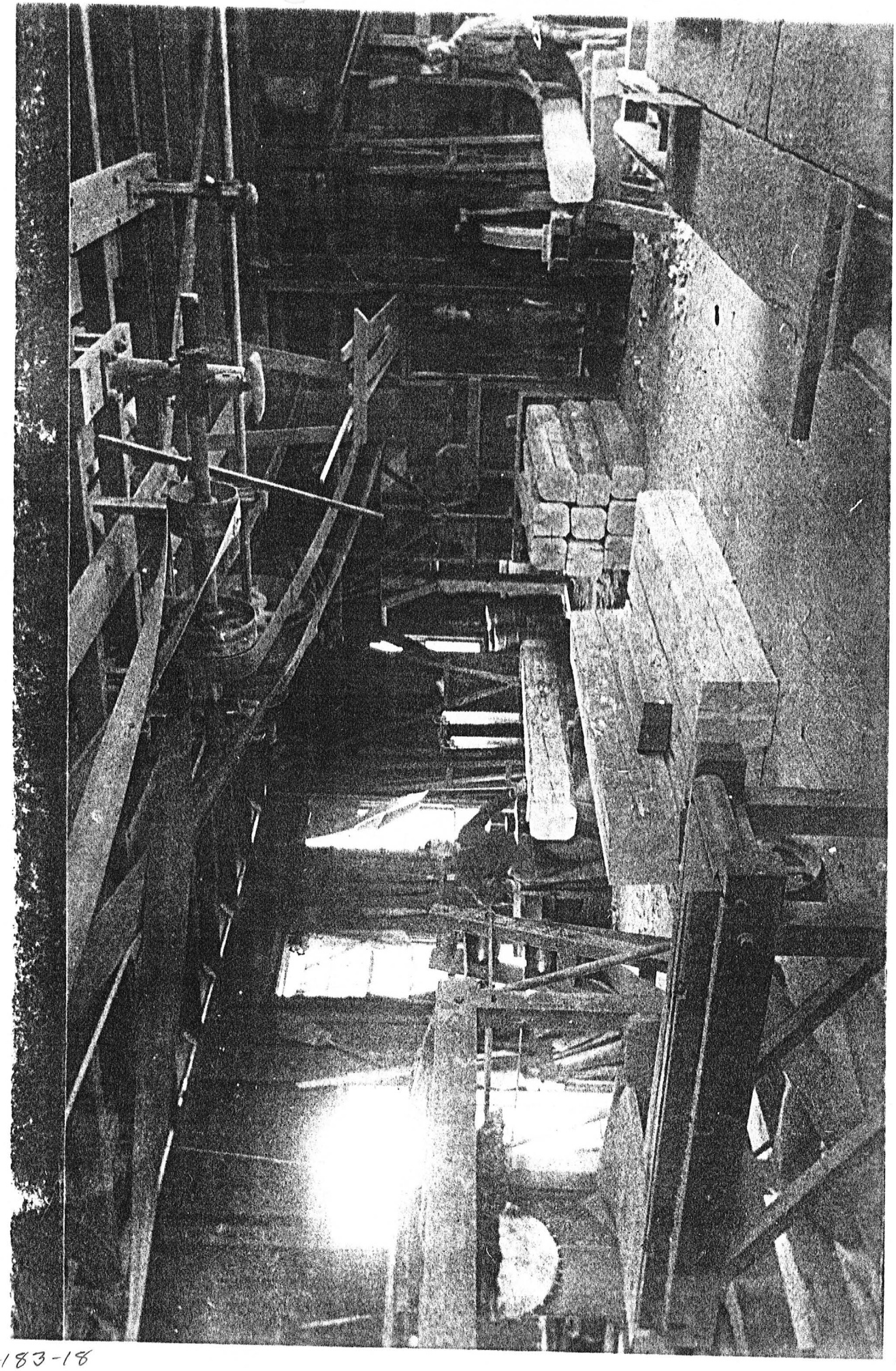
C-1880





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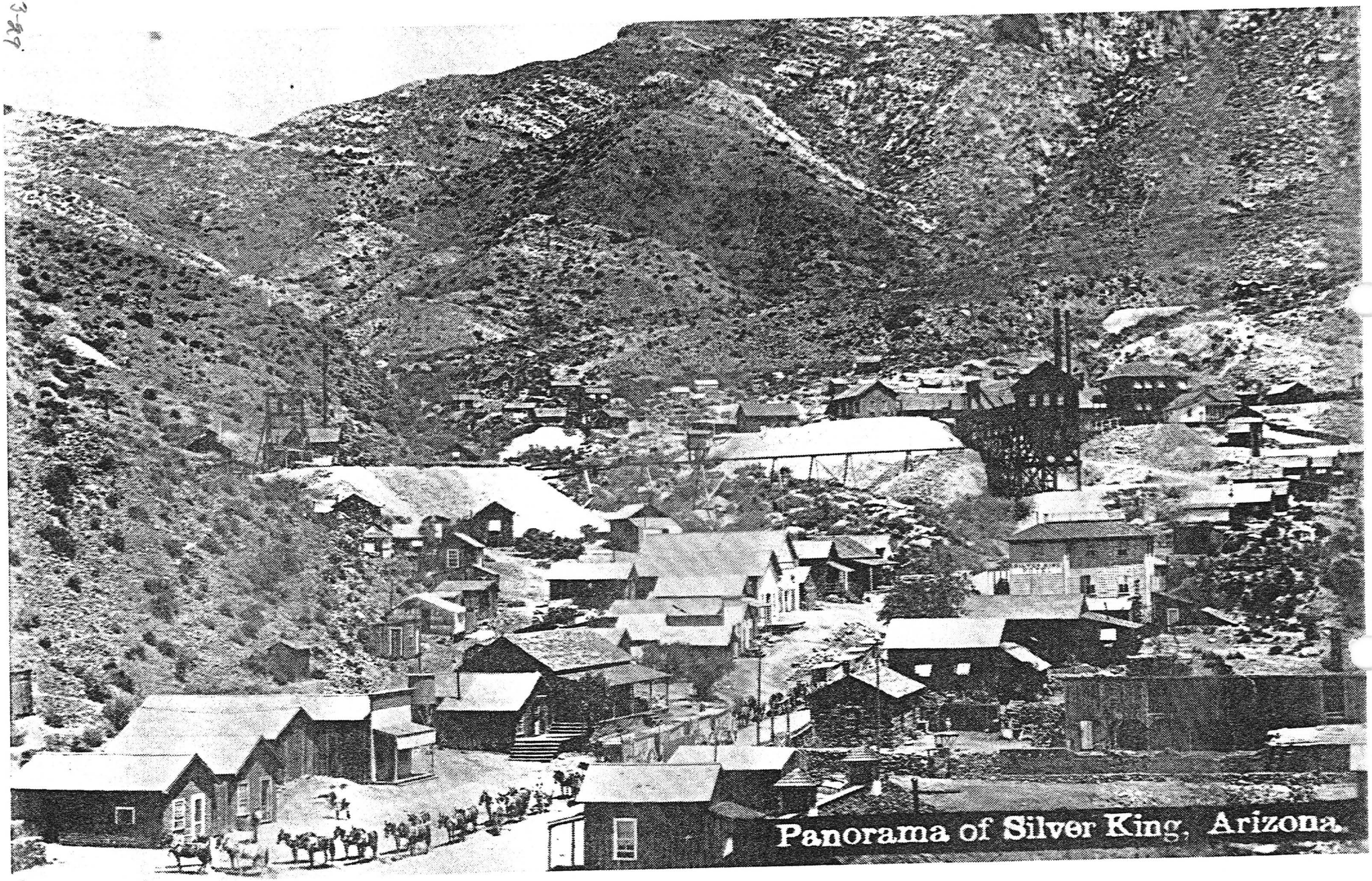
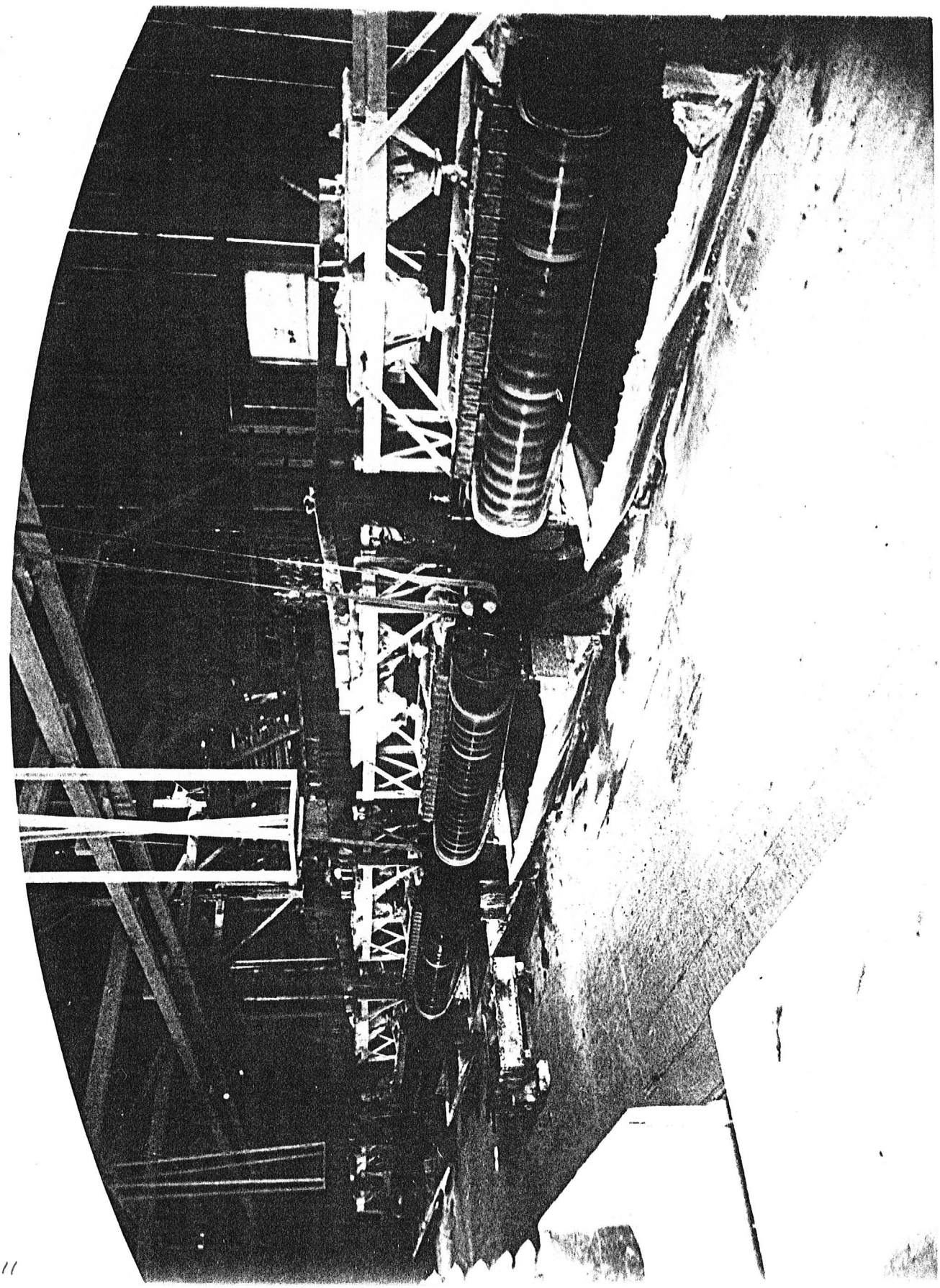

Panorama of Silver King, Arizona.



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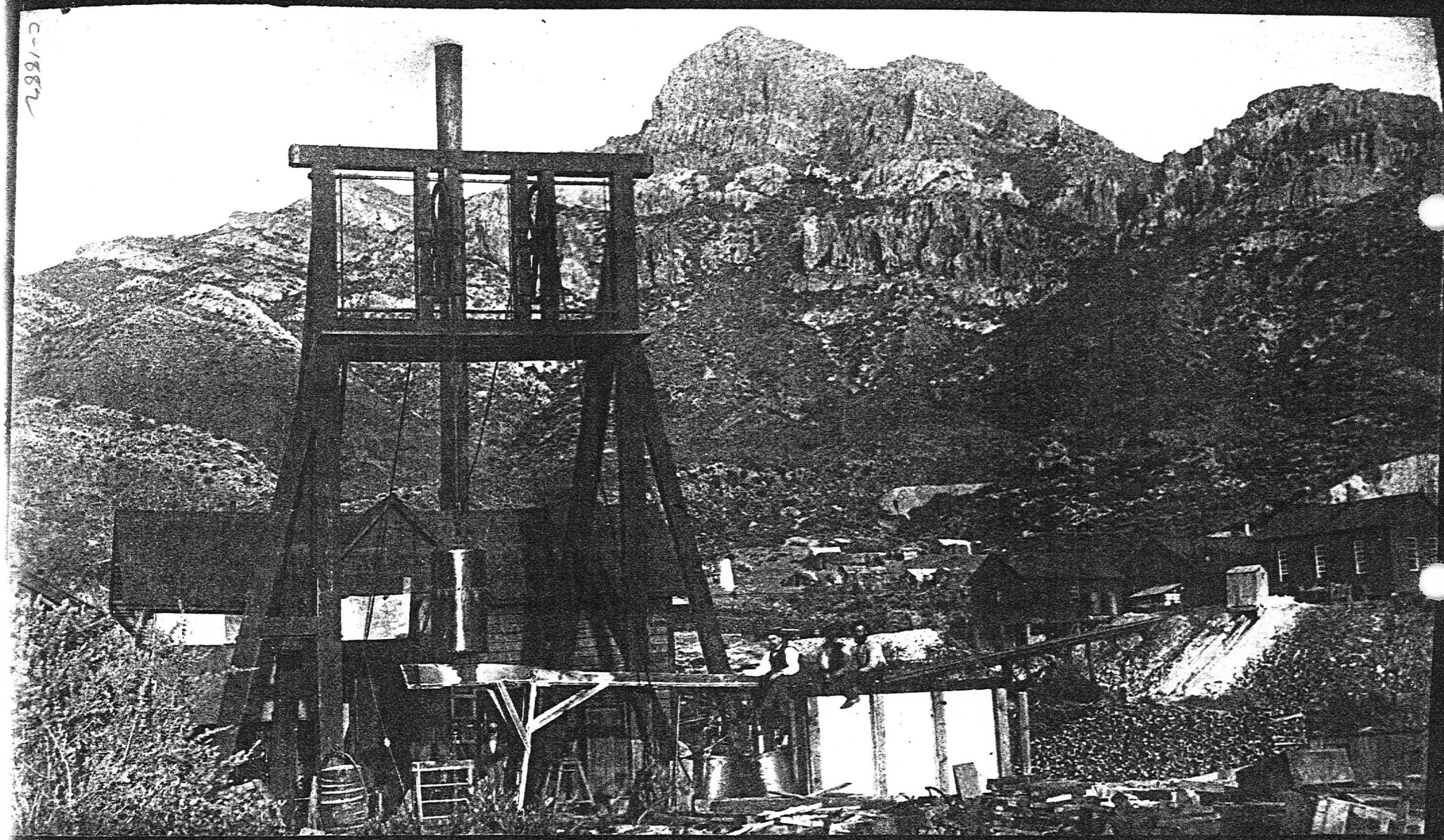
C-188D

A-189-33

C-1887



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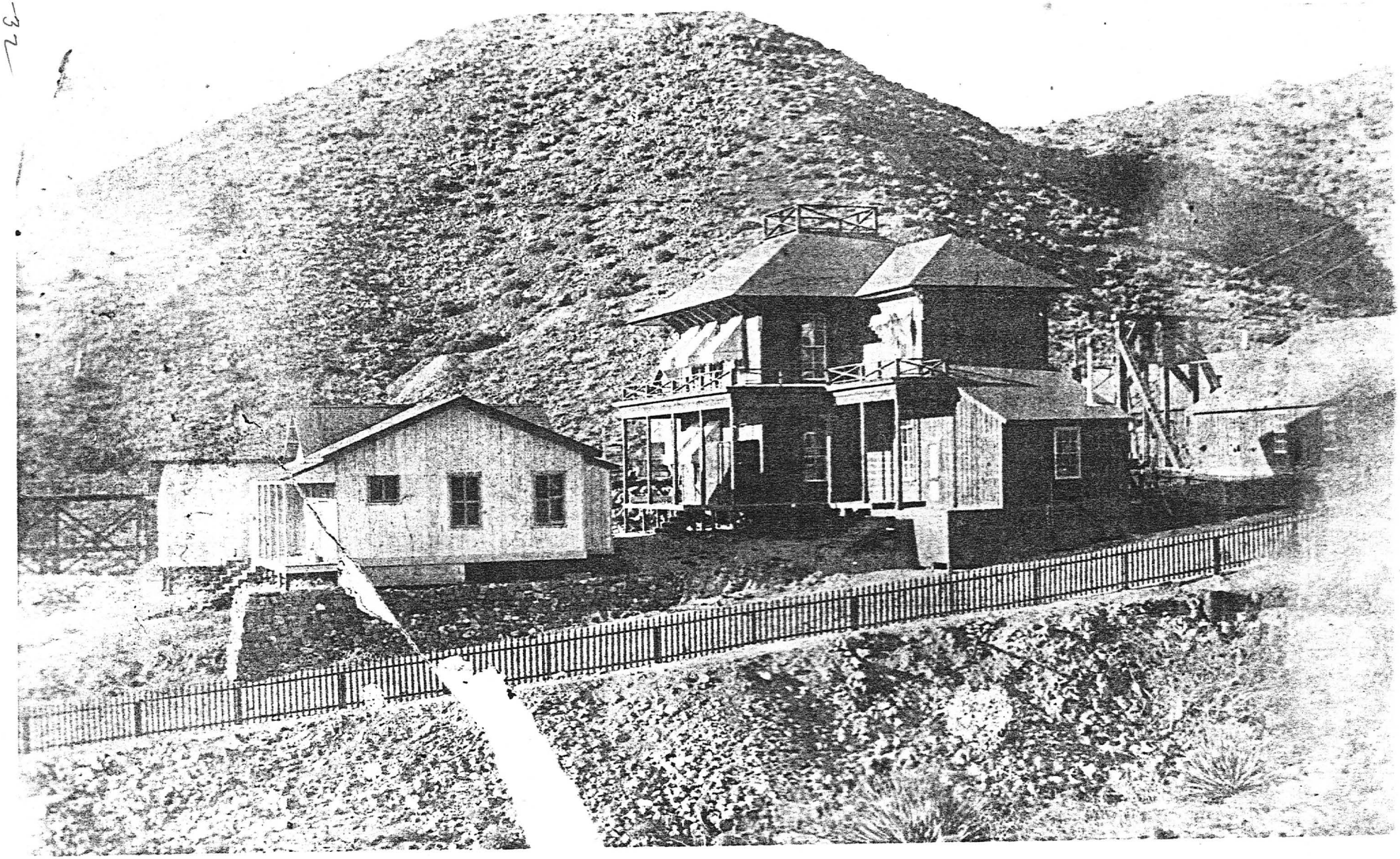

C-1900

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Silver King Miners.

C-1880

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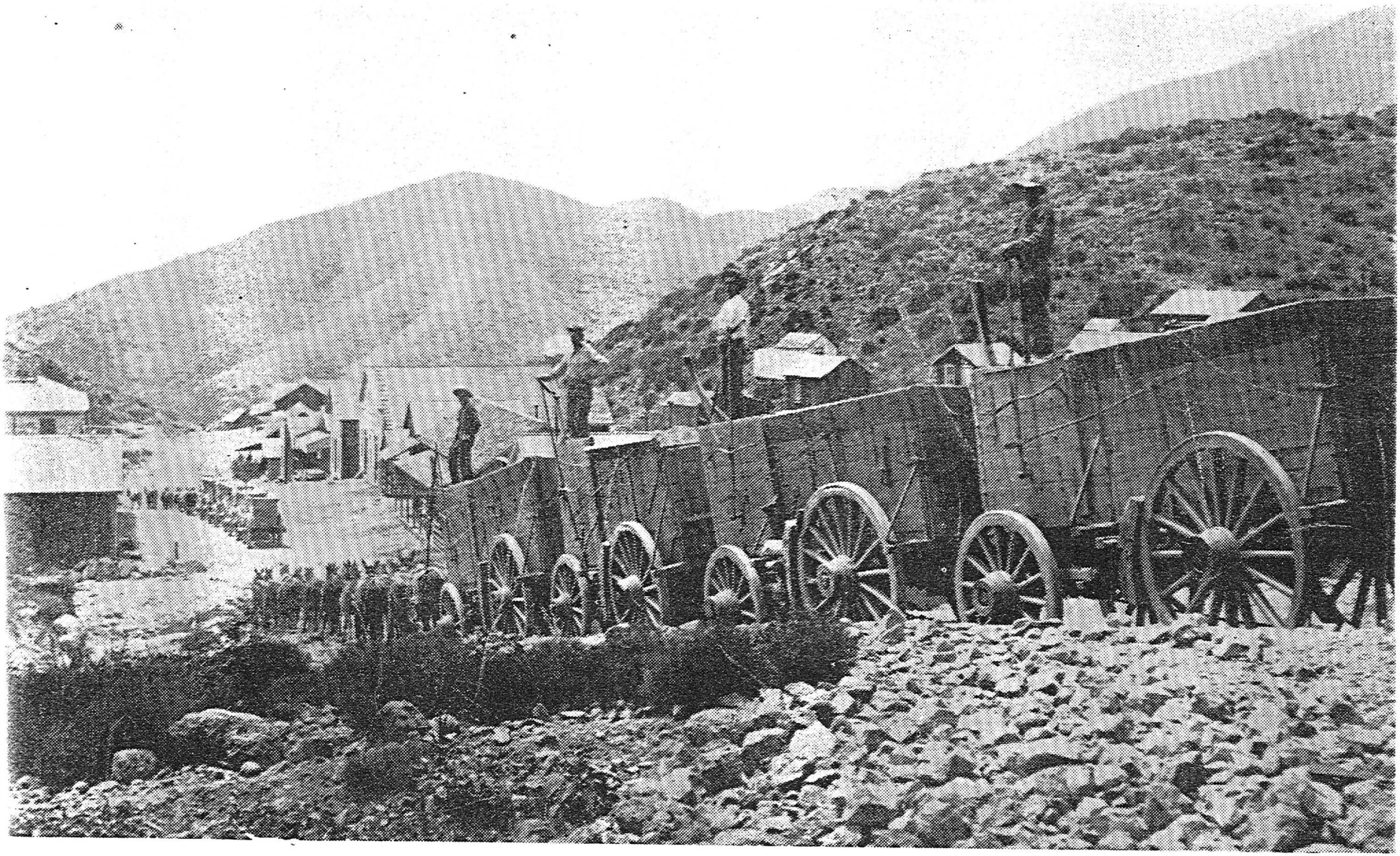
PRR-1904

A-183-28

C-1900

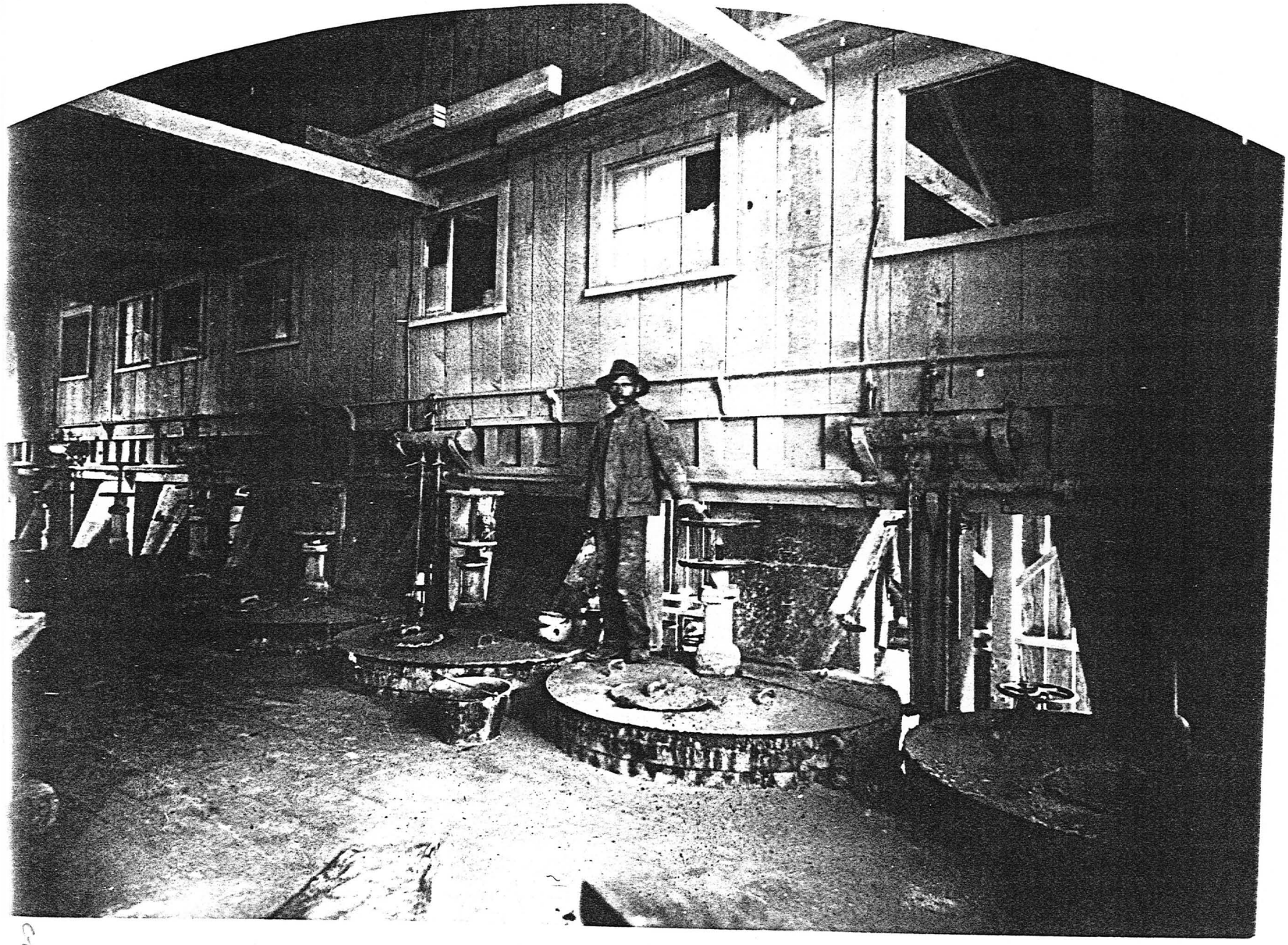


Ore transportation about 1900

A-183-28 c-1900

A-183-24

C-1880



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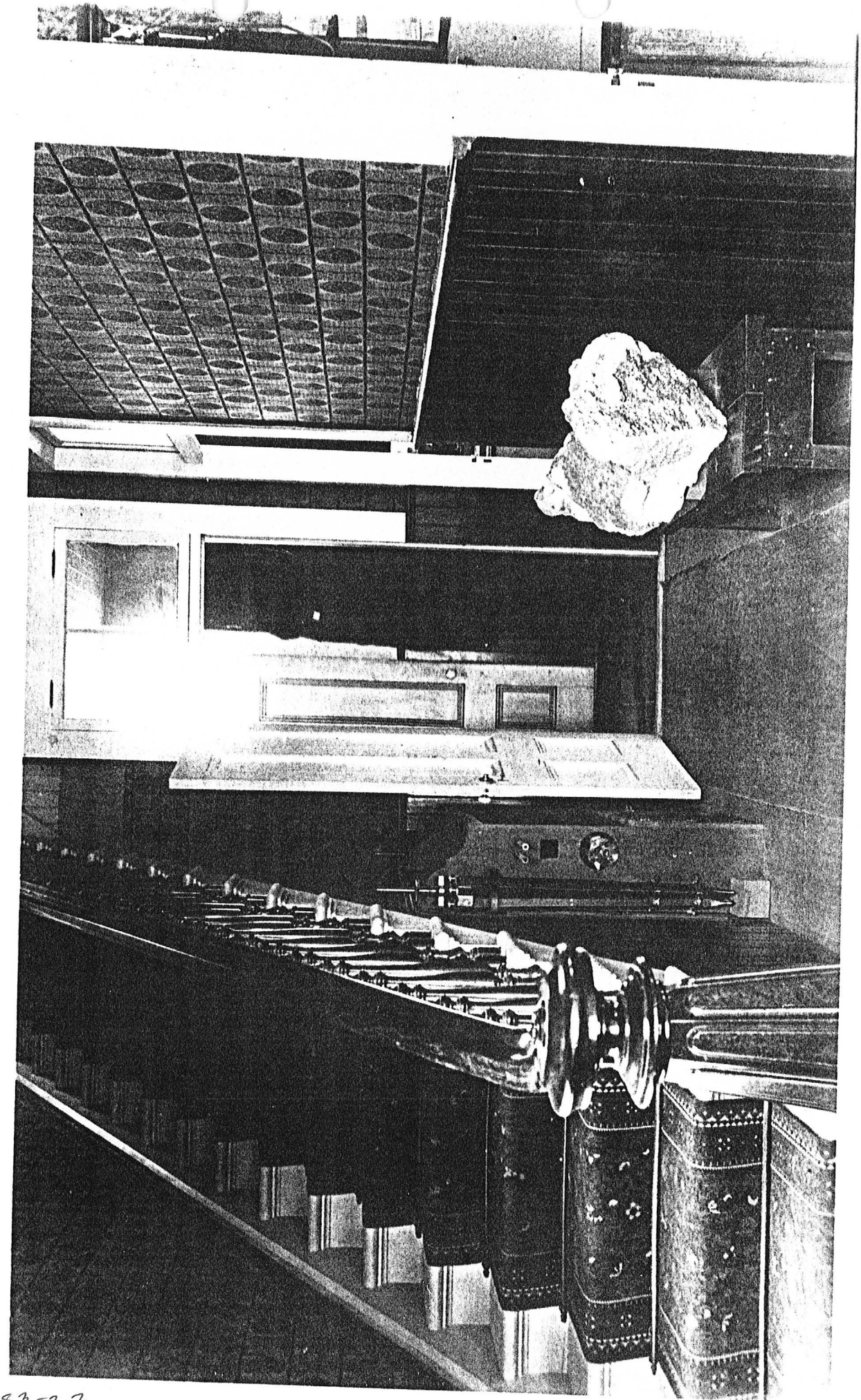

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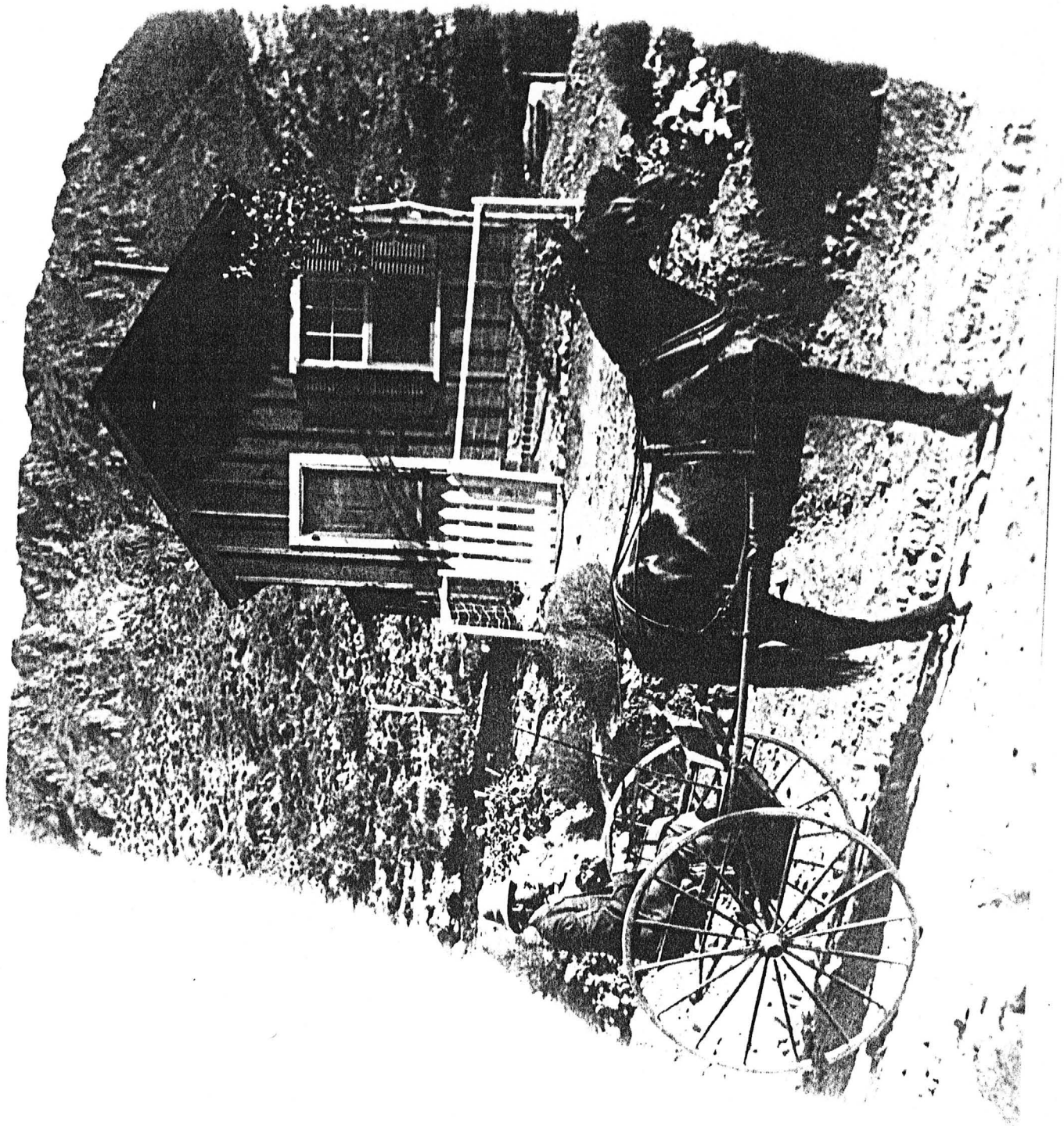

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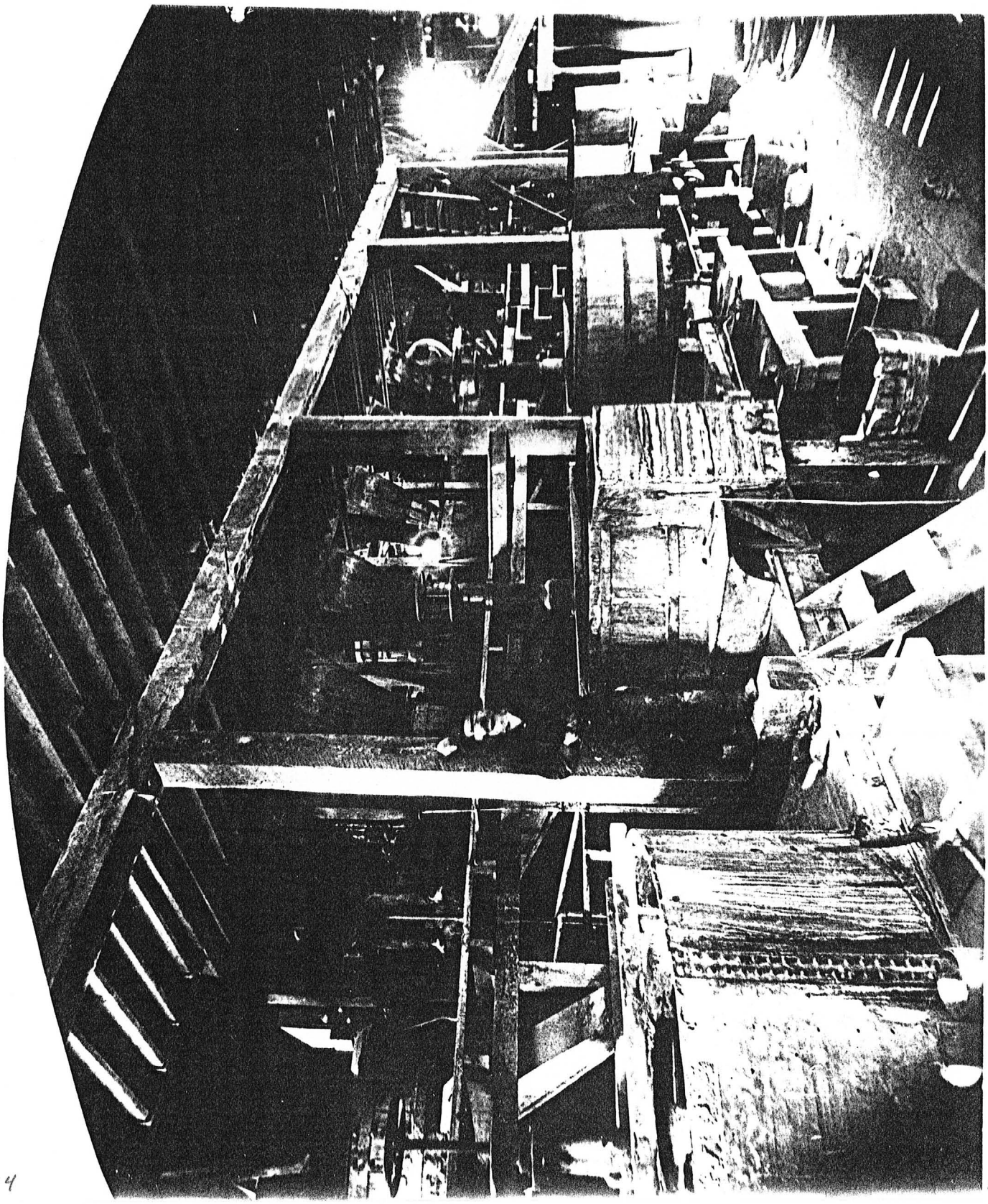

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c
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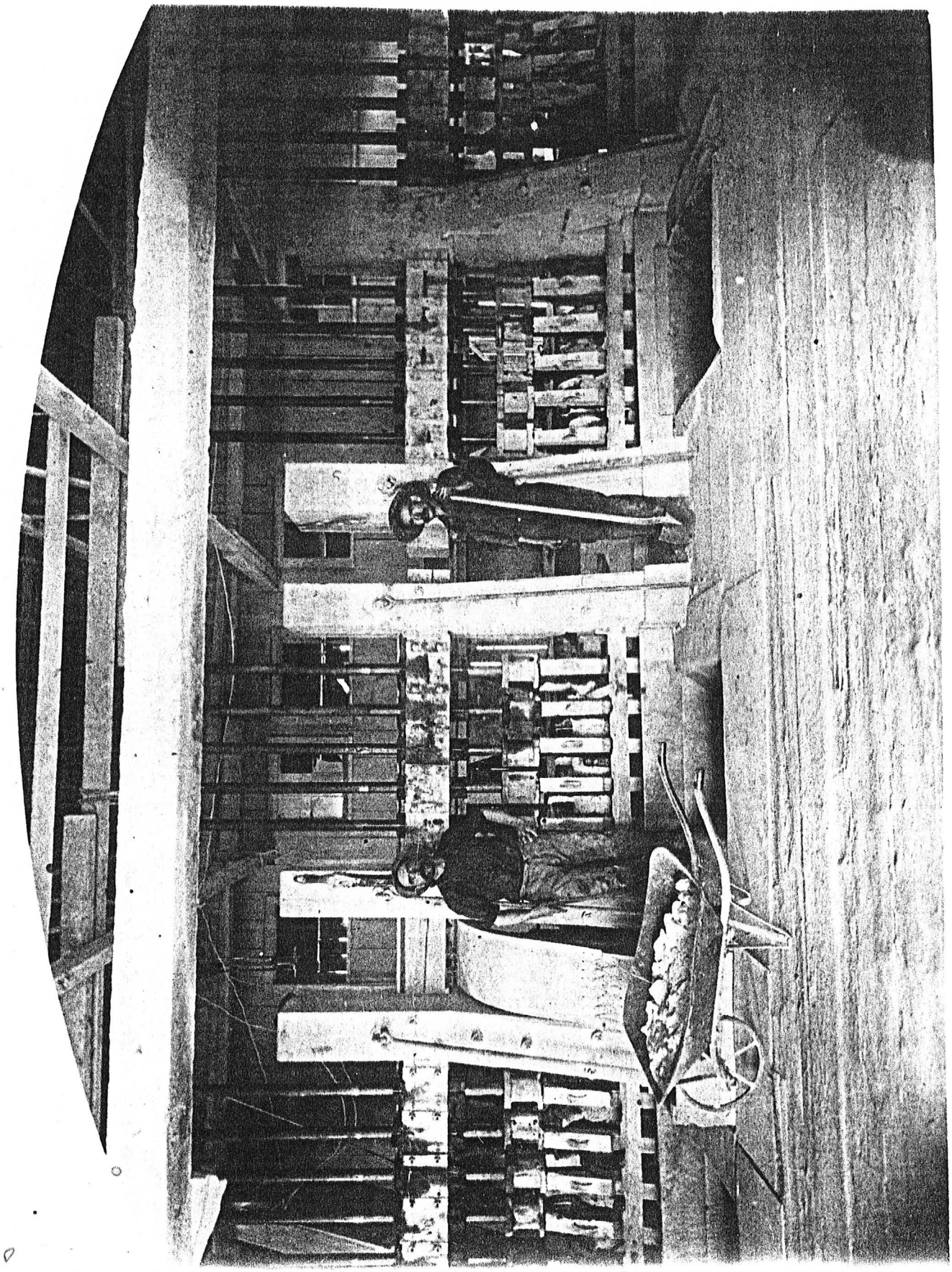

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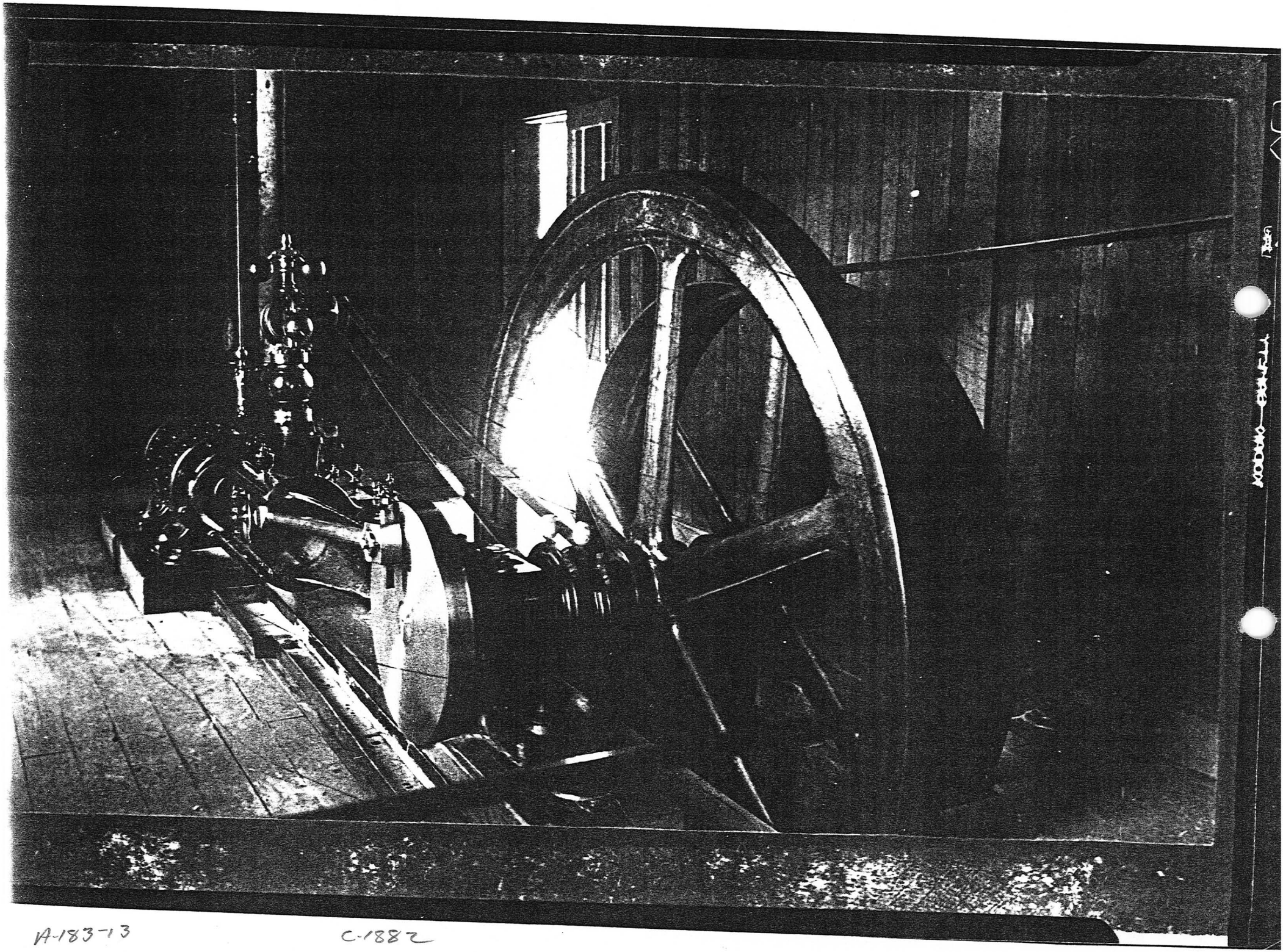

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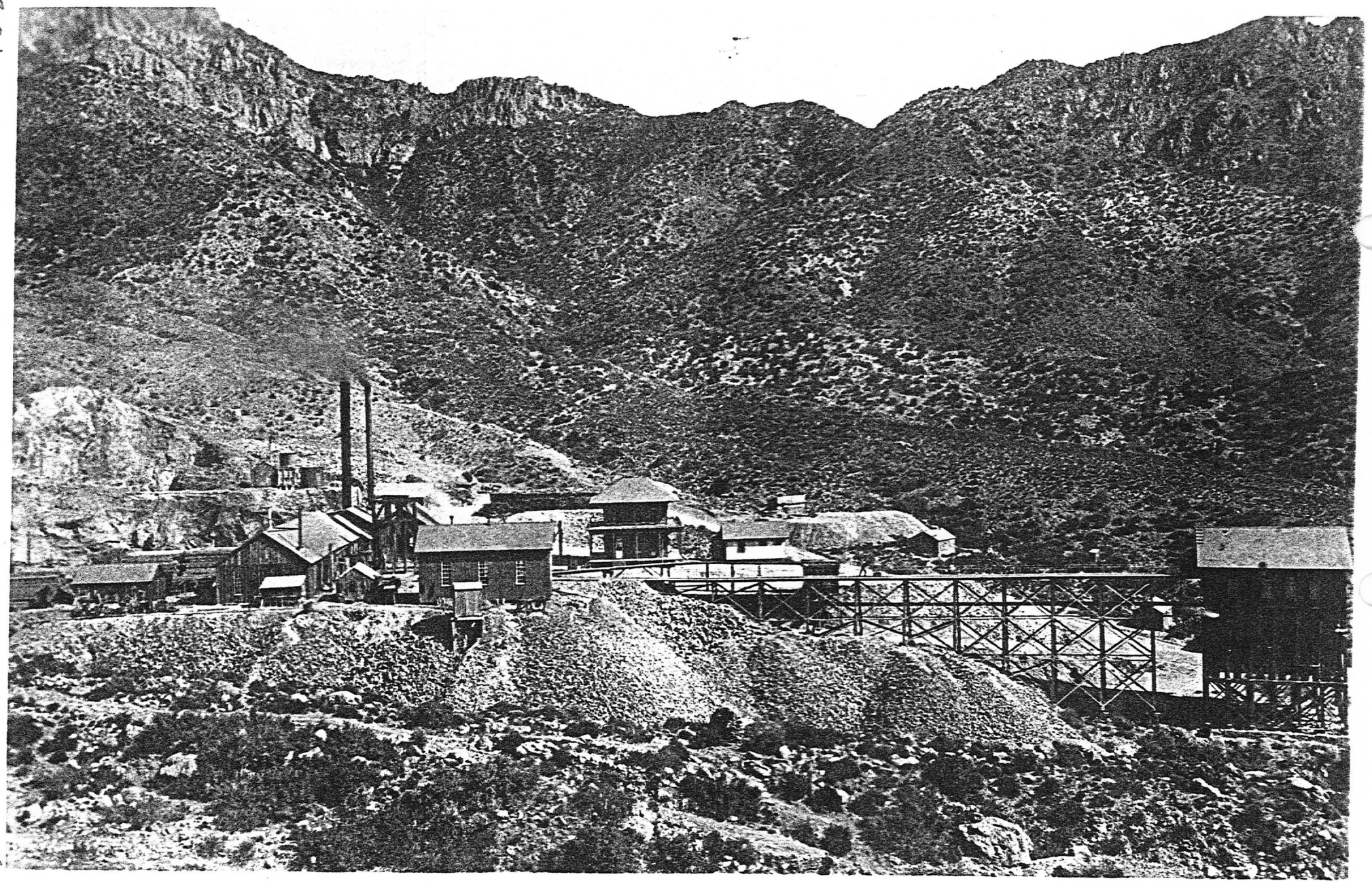
C-1882

A-183-25

C-1882



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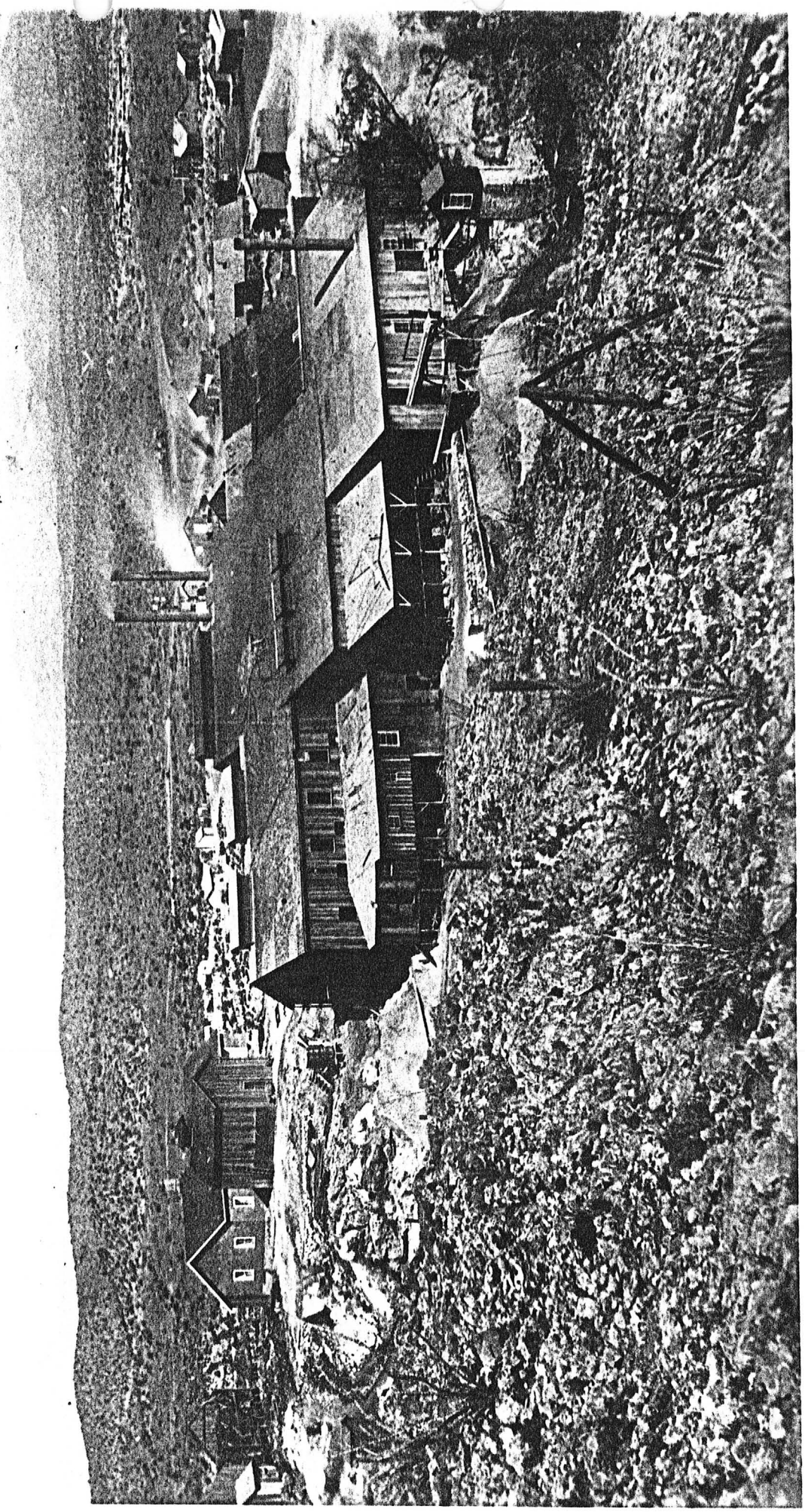

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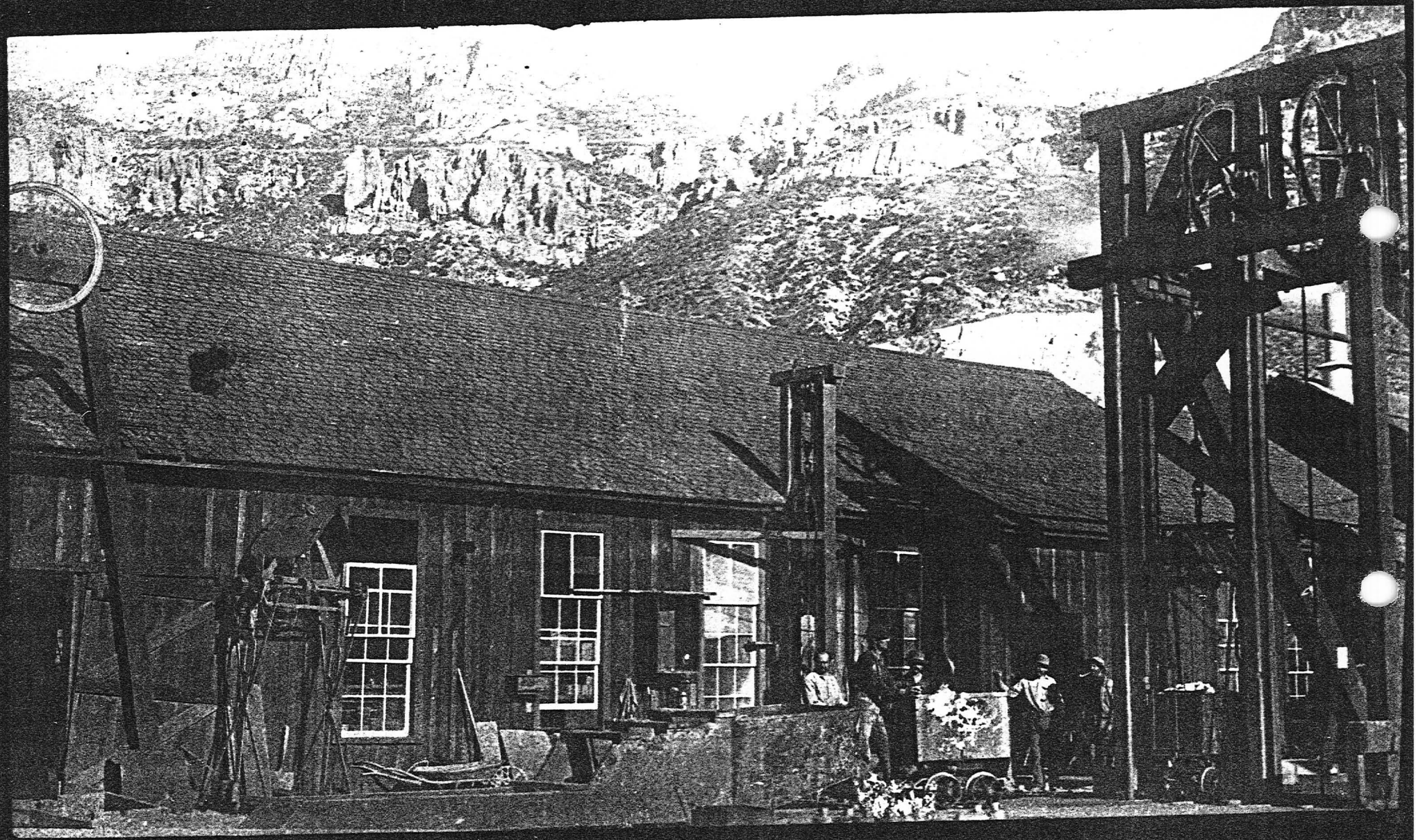
C-1882

A-183-35 (KT-2) C-18-80



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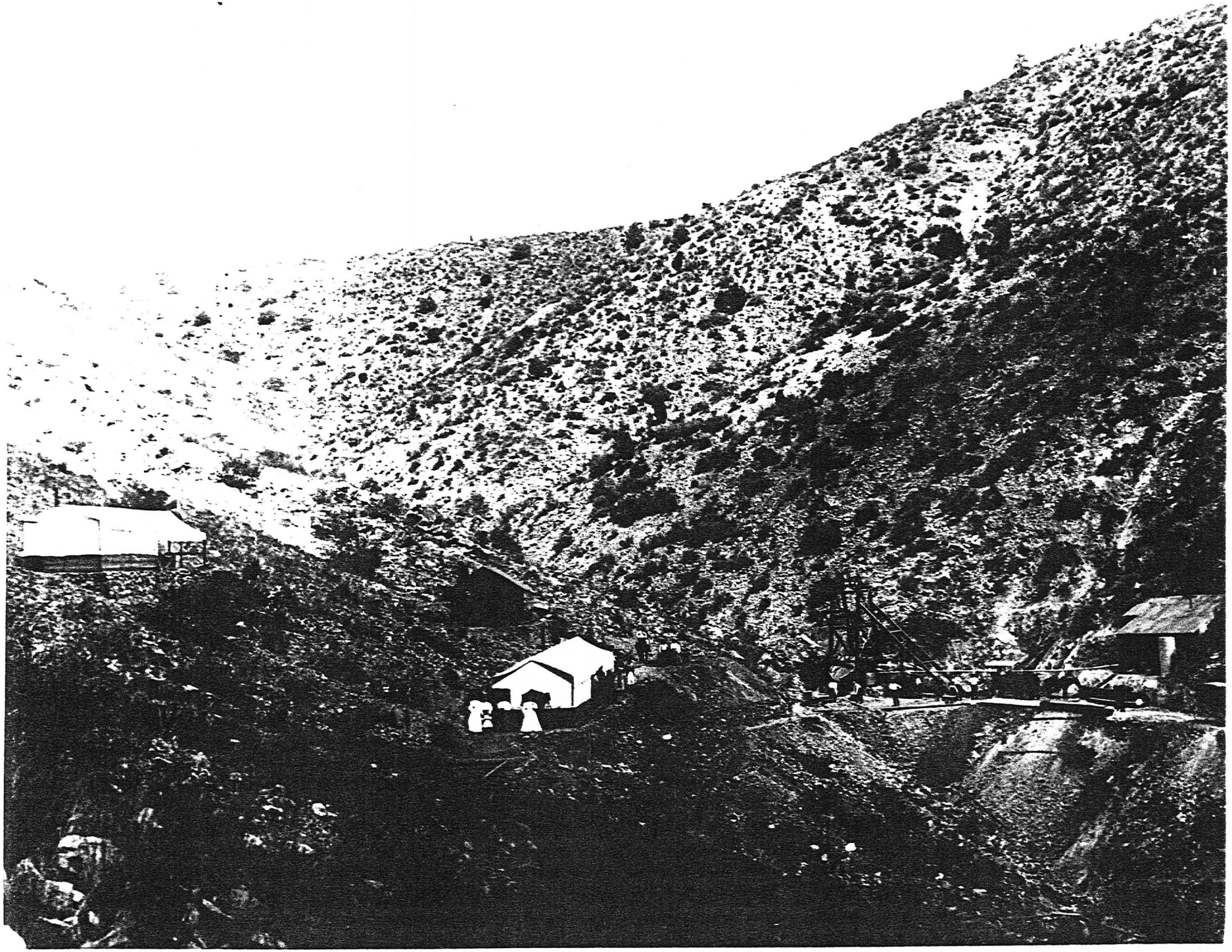
A-183-30

c-1900



A-183-31

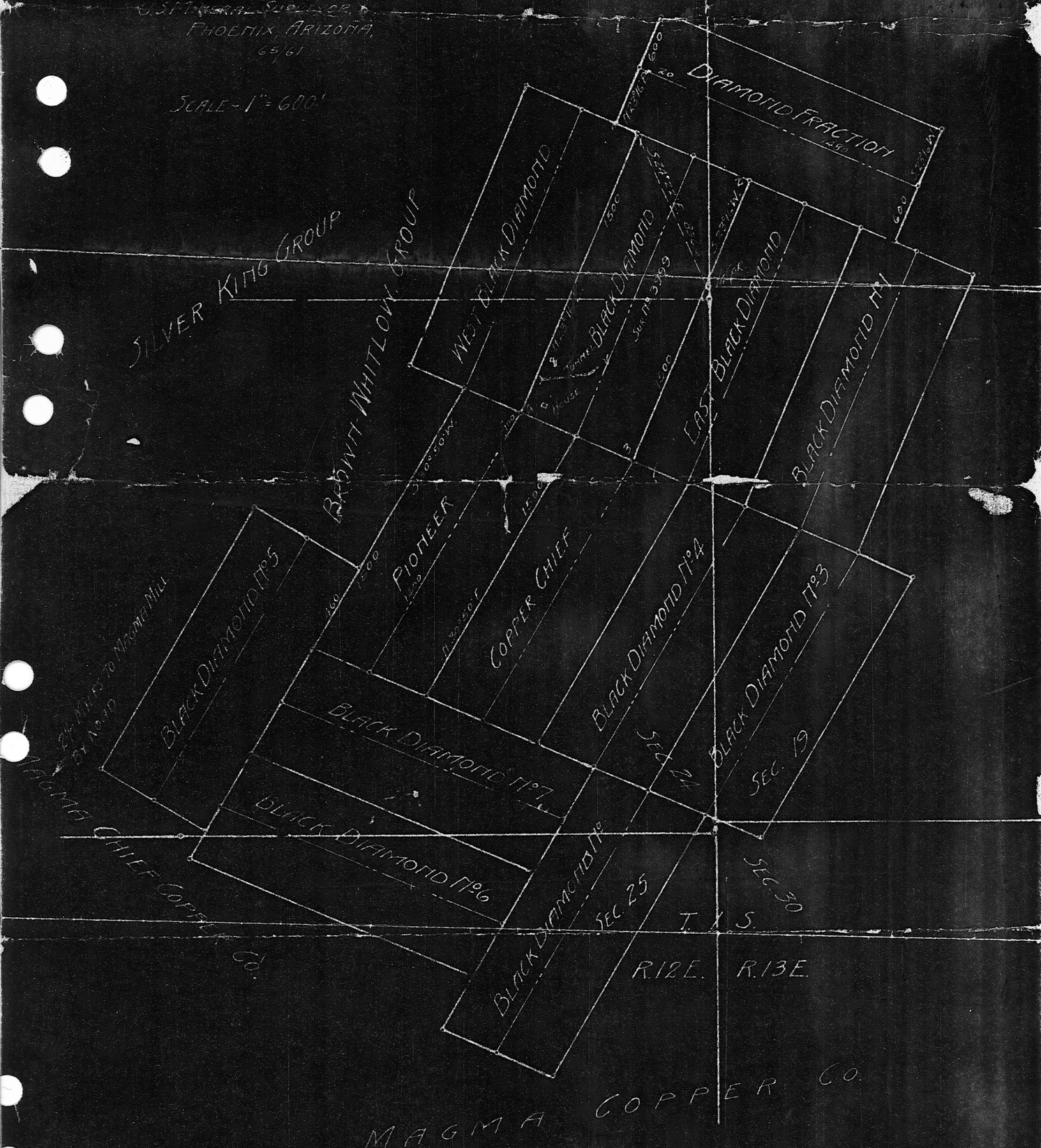
C-1904

SUPERIOR BLACK DIAMOND MINING COMPANY

PIONEER MINING DISTRICT
PINAL COUNTY
ARIZONA

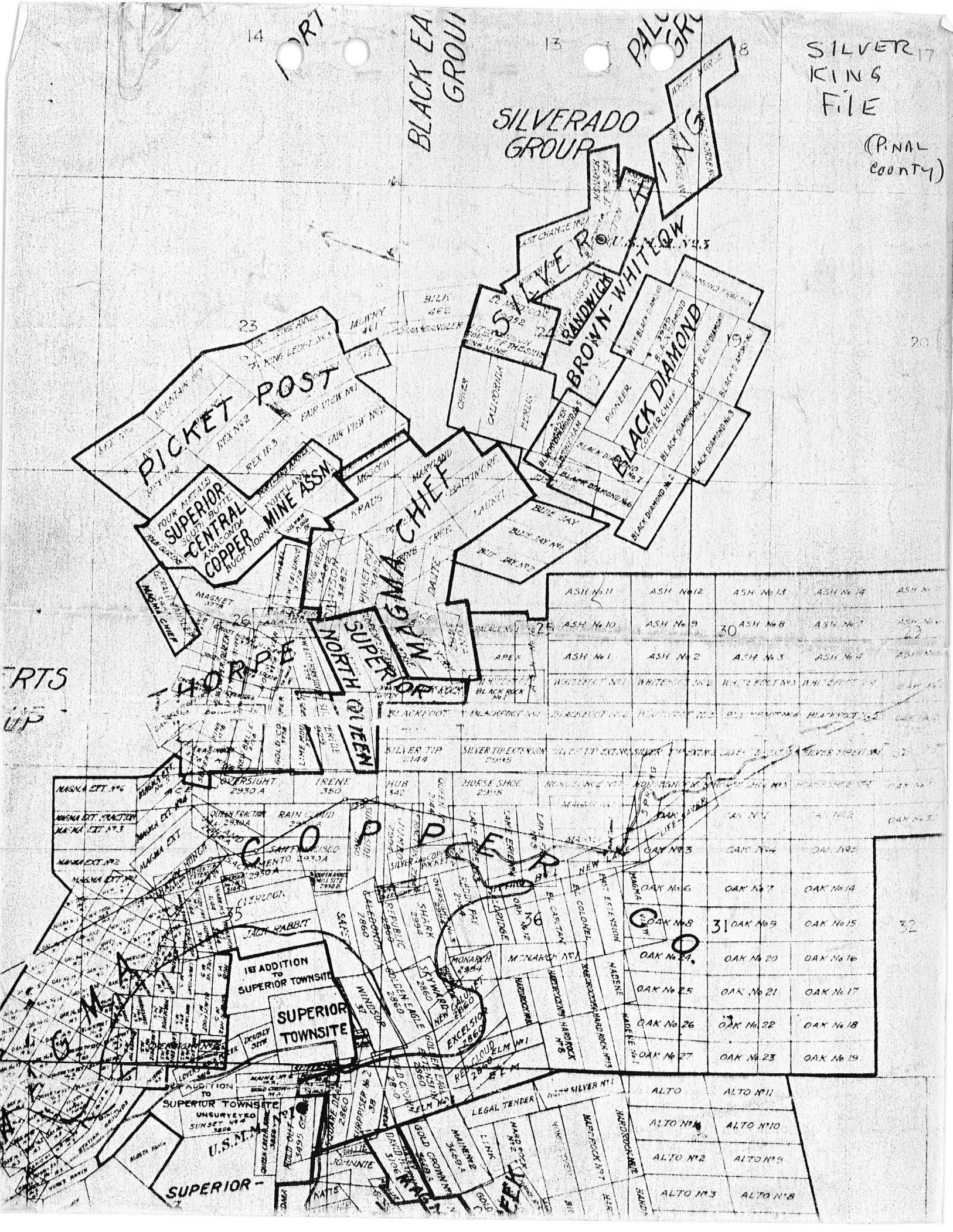
SURVEYED FEB 1927 BY: HARRY E. JONES,
U.S. MINERAL SURVEYOR,
PHOENIX, ARIZONA,
6-9-61

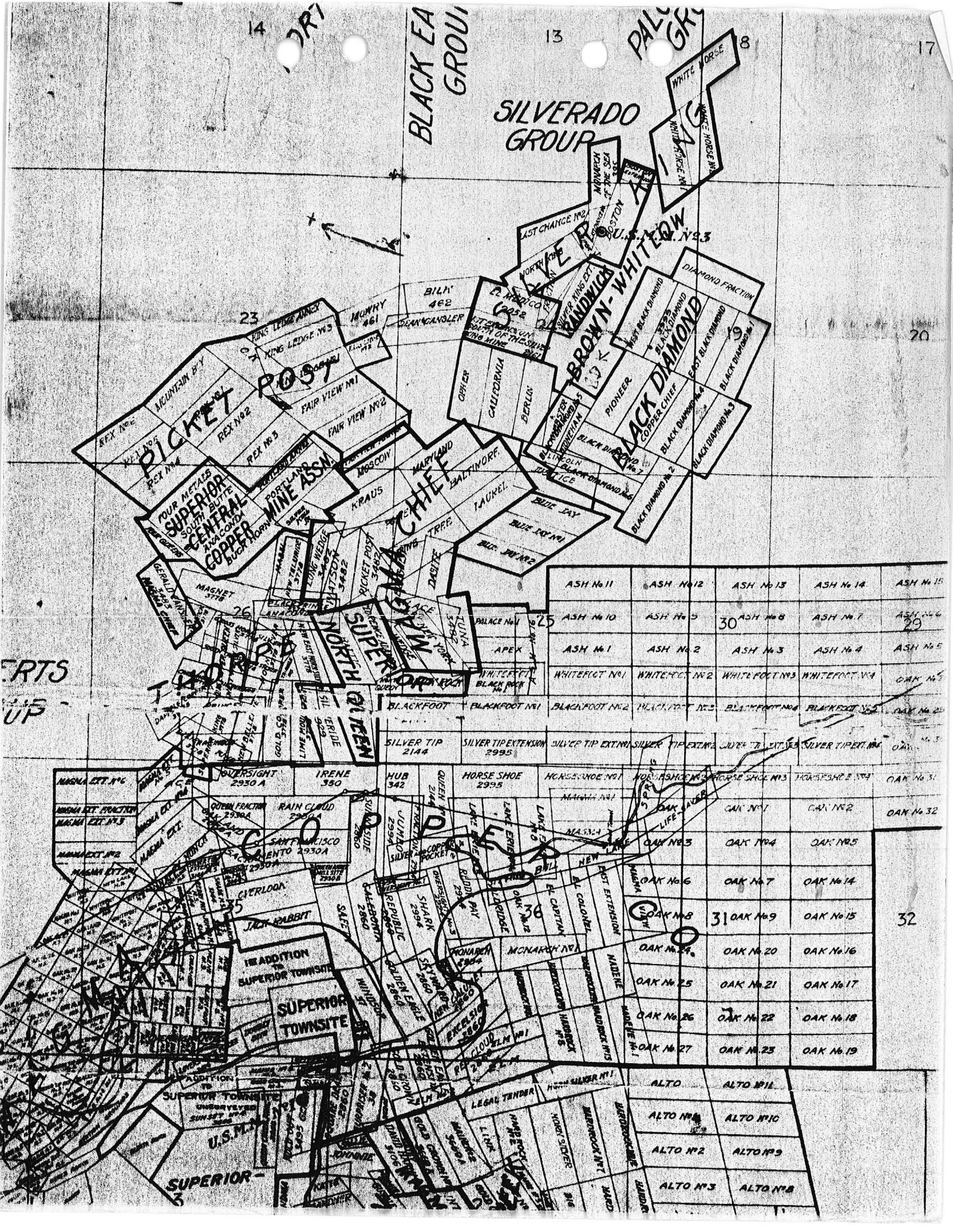
SCALE - 1" = 600'



SILVER KING FILE

(PINAL COUNTY)




SILVERADO GROUP
BLACK EA GROU
PALO GRO
WHITE HORSE
MONARCH OF THE SEA
BOSTON
U.S. M. No 3
LAST CHANCE No 2
BILM 462
MONTY 461
DEAN CANDLER
KING LEDGE MINE
KING LEDGE No 3
FAIR VIEW No 1
FAIR VIEW No 2
REX No 2
REX No 3
REX No 4
MOUNTAIN BOY
PICKET POST
FOUR METALS
SUPERIOR
SOUTH BUTTE
CENTRAL
ANACONDA
COPPER
BUCK HORN
MINE ASSN.
PORTLAND
MOSCOW
KRAUS
MARYLAND
BALTIMORE
LAUREL
BLUE JAY
BLUE JAY No 1
BLUE JAY No 2
OPHIR
CALIFORNIA
BERLIN
BROWN-WHITELAW
SILVER KING EXT.
SANDWICH
BLACK DIAMOND
DIAMOND FRACTION
WEST BLACK DIAMOND
BLACK DIAMOND
EAST BLACK DIAMOND
PIONEER
COPPER CHIEF
BLACK DIAMOND No 4
BLACK DIAMOND No 3
BLACK DIAMOND No 2
BLACK DIAMOND No 1
BLACK DIAMOND No 7
BLACK DIAMOND No 6
LINCOLN
JUSTICE
MAGNET 3776
GERALD
LONG WEDGE 3462
WATSON 3482
RICKET POST 3482
DASITE
TUNA 3482
NORTH
SUPERIOR
NEW YORK
PALACE No 1
APEX
WHITEFOOT
BLACK ROCK No 1
BLACKFOOT
BLACKFOOT No 1
BLACKFOOT No 2
BLACKFOOT No 3
BLACKFOOT No 4
BLACKFOOT No 5
SILVER TIP 2144
SILVER TIP EXTENSION 2995
SILVER TIP EXT. No 1
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SILVER TIP EXT. No 3
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OAK No 3
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OAK No 32
MAGNA EXT. No 6
MAGNA EXT. No 5
MAGNA EXT. FRACTION
MAGNA EXT. No 3
MAGNA EXT. No 2
MAGNA EXT. No 1
OVERSIGHT 2930 A
IRENE 350
HUB 342
HORSE SHOE 2995
HORSE SHOE No 1
HORSE SHOE No 2
HORSE SHOE No 3
HORSE SHOE No 4
QUEEN FRACTION 2930 A
RAIN CLOUD 2930 A
SANTA FRANCISCO
SACRAMENTO 2930 A
LIFE SAVER
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OAK No 19
LOOKOUT
JACK RABBIT
SAFE
CALEDONIA 2860
REPUBLIC 2860
SHARK 2954
GOLDEN EAGLE 2860
MONARCH 2954
MONARCH No 1
EL CAPITAN
EL COLONEL
NEW EAST EXTENSION
NADENE
HARDROCK No 5
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SUPERIOR TOWNSITE
ADDITION TO SUPERIOR TOWNSITE
U.S.M.
SUPERIOR
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ALTO No 4
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ALTO No 8
LEGAL TENDER
LINK
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Silver King

* GENERAL REFERENCES

REFERENCE 1 F1 < ABGMT CLII G FILES >

REFERENCE 2 F2 < ABGMT-USBM FILE DATA >

REFERENCE 3 F3 < AZ DEPT MIN RESOURCES FILE DATA >

REFERENCE 4 F4 < SHORT, M.N., , GEOLOGY AND ORE DEPOSITS OF THE SUPERIOR MINING AREA, AZ, 1943, ABM BULL. 151, PP. 7, 11-13, 139-154 >

C30 CONT. < COVELLITE, CUPRITE, AZURITE, MALACHITE, ANGLESITE >
L110 CONT. < SILVER KING OF ARIZONA MINING, SILVER KING MINING CO. >

F5 < RANSOME, F.L., COPPER DEPOSITS NEAR SUPERIOR, AZ, 1912, USGS BULL. 540-E, PP. 156-158 >
F6 < USBM FILES >
F7 < GALBRAITH, F.W., 1935 GEOLOGY OF THE SILVER KING AREA, SUPERIOR ARIZONA. M.A. PH.D THESIS >

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U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < >
*RECORD TYPE B20 < X, 1, M >
DEPOSIT NUMBER B40 < >
REPORT DATE G1 < 8, 2, ⊬, 0, 3 > (YR. MO.)
*INFORMATION SOURCE B30 < 1, 2 >
+FILE LINK IDENT. B50 < USBM-004 071 0760 >

REPORTER(SUPERVISOR) G2 < ROTH, FRANCES A. (last, first, middle initial) (GEST, DON (last, first, middle initial))
REPORTER AFFILIATION G5 < ABGMT >
*SITE NAME A10 < SILVER KING MINE >
SYNONYMS A11 < >

LOCATION

MINING DISTRICT/AREA A30 < PIONEER DISTRICT >
COUNTY A60 < PINAL >
*STATE A50 < A, Z >
*COUNTRY A40 < U, S >
PHYSIOGRAPHIC PROV A63 < 1, 2, ⊬ >
DRAINAGE AREA A62 < 1, 5, 0, 5, 0, 1, 0, 0, ⊬ >
*LAND STATUS A64 < 0, 1, ⊬, 4, 1, ⊬, (, 1, 9, 7, 9,) >
QUADRANGLE NAME A90 < SUPERIOR , (1, 9, 4, 9,) >
*QUADRANGLE SCALE A100 < 2, 4, 0, 0, 0 >
SECOND QUAD NAME A92 < , (, , , , ,) >
SECOND QUAD SCALE A91 < >
ELEVATION A107 < , 3, 6, 4, 0, ⊬, F, T >

UTM
NORTHING A120 < 3, 6, 8, 7, 1, 0 >
EASTING A130 < 4, 9, 1, 9, 1, 0 >
ZONE NUMBER A110 < +, 1, 2 >

*ACCURACY
ACCURATE ACC (circle)
ESTIMATED EST < >

GEODETIC
+LATITUDE A70 < - - N >
+LONGITUDE A80 < - - W >

CADASTRAL
TOWNSHIP(S) A77 < 0, 0, 1, S, ⊬ >
+RANGE(S) A78 < 0, 1, 2, E, ⊬ >
SECTION(S) A79 < 24, ⊬, ⊬, ⊬ >
SECTION FRACTION(S) A76 < S2 of NW >
MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < ABOUT 1 MILE WEST OF Kings Crown Peak >
LOCATION COMMENTS A83 < LOCATION IS IN Comstock WASH AT THE END OF THE SILVER KING DIRT ROAD; UTM MEASURED TO WESTERN MOST SHAFT OF GROUP OF AT LEAST 4 SHAFTS >

ESSENTIAL INFORMATION
ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < A.G. | P.B. | A.U. | Z.N. >
*ORE MINERALS C30 < SILVER, GALENA, ARGENTITE, CHALCOPYRITE, TETRAHEDRITE, SPHALERITE, BORNITE, STROMEYERITE,
COMMODITY SUBTYPES C41 <
+GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR < A.G. | P.B. >	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR < C.U. | A.U. >	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < Z.N. >	
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 < 4 >	STATUS AND ACTIVITY A20 < >

+DISCOVERER L20 < Mason, Reagan, Long, Copeland
+YEAR OF DISCOVERY L10 < 1875 > +NATURE OF DISCOVERY L30 < B > +YEAR OF FIRST PRODUCTION L40 < 1877 > +YEAR OF LAST PRODUCTION L45 < 1955
+PRESENT/LAST OWNER A12 < DICK LOBB AND GRACE MIDDLETON
+PRESENT/LAST OPERATOR A13 < R. OLSEN
EXPL./DEV.COMMENTS L110 < WORKINGS LOCATED ON PRESENT EL MEDICO CLAIM; PREVIOUS OPERATORS INCLUDE T. GAYO, TRITT SMELTING AND REFINING, SILVER KING SYN., APACHE SILVER, SILVER KING ARIZONA MINING, DEAN BROS.,

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < STOCKWORK / DISSEMINATED
DEPOSIT FORM/SHAPE M10 < IRREGULAR
+DEPTH TO TOP M20 < > +UNITS M21 < > +MAXIMUM LENGTH M40 < 130 > +UNITS M41 < FT
+DEPTH TO BOTTOM M30 < 987 > +UNITS M31 < FT > +MAXIMUM WIDTH M50 < 120 > +UNITS M51 < FT
*DEPOSIT SIZE M15 < (SMALL) > M15 < (MEDIUM) > M15 < (LARGE) > (circle one) +MAXIMUM THICKNESS M60 < 987 > +UNITS M61 < FT
+STRIKE M70 < > +DIP M80 < 70° W
+DIRECTION OF PLUNGE M100 < > +PLUNGE M90 <
+DEP. DESC. COMMENTS M110 < VEINLETS INTERLACED IN QUARTZ DIORITE PORPHYRY AND PINAL SCHIST

DESCRIPTION OF WORKINGS

*Workings are: SURFACE M120 UNDERGROUND M130 BOTH (M140) (circle one) +OVERALL LENGTH M190 < OVER 700 > +UNITS M191 < FT
+DEPTH BELOW SURFACE M160 < 987 > +UNITS M161 < FT > +OVERALL WIDTH M200 < > +UNITS M201 <
+LENGTH OF WORKINGS M170 < over 3000 > +UNITS M171 < FT > +OVERALL AREA M210 < > +UNITS M211 <
DESC. OF WORK. COM. M220 < ORIGINAL DEVELOPMENT WAS BY OPEN PIT (115 FT X 92 FT X 120 FT DEEP); OTHER WORKINGS INCLUDE 987 FT SHAFT, 635 FT SHAFT, AND SEVERAL SMALLER SHAFTS AND OPEN CUTS. 7 LEVELS OF WORKINGS (BILK SHAFT)

GEOLOGY

+AGE OF HOST ROCK(S) K1 < C,R,E,T,-,P,A,L,E,O,
+HOST ROCK TYPE(S) K1A < QUARTZ DIORITE
+AGE OF IGNEOUS ROCK(S) K2 < C,R,E,T,-,P,A,L,E,O,
+IGNEOUS ROCK TYPE(S) K2A < DACITE, QUARTZ DIORITE
+AGE OF MINERALIZATION K3 < C,R,E,T,-,P,A,L,E,O,
+PERT. MINERALS (NOT ORE) K4 < QUARTZ, BARITE, CALCITE, PYRITE, LIMONITE, STROMEYERITE
+ORE CONTROL/LOCUS K5 < SILVER KING QUARTZ DIORITE PORPHYRY DIKES AND STOCKS
+MAJ. REG. TRENDS/STRUCT. N5 < N-S TRENDING FAULT SYSTEMS, NS TRENDING SEDIMENTS WITH E DIP
+TECTONIC SETTING N15 <
+SIGNIFICANT LOCAL STRUCT. N70 < QUARTZ DIORITE INTRUSION, FAULT SYSTEMS ARE SOUTH OF MINE
+SIGNIFICANT ALTERATION N75 <
+PROCESS OF CONC./ENRICH. N80 < SUPERGENE REPLACEMENT COMMON (E.G. STROMEYERITE)
+FORMATION AGE N30 < P,R,E,C,
+FORMATION NAME N30A < PINAL SCHIST
SECOND FM AGE N35 < P,E,N,N,
SECOND FM NAME N35A < NACO LIMESTONE
+IGNEOUS UNIT AGE N50 < C,R,E,T,-,P,A,L,E,O,
+IGNEOUS UNIT NAME N50A < SILVER KING QUARTZ DIORITE PORPHYRY
SECOND IG. UNIT AGE N55 <
SECOND IG. UNIT NAME N55A <
GEOLOGY COMMENTS N85 < MINERALIZATION IN PINAL SCHIST AND IN SILVER KING QUARTZ DIORITE

GENERAL COMMENTS

GENERAL COMMENTS GEN <

IZ(A DEPARTMENT OF MINI AL SOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Mike Guzman Jr. of Guzman Construction

   Address: P.O. Box 7; Superior, AZ 85273

2. Mine: Silver King 3. No. of Claims - Patented _____

   Unpatented _____

4. Location: _____

5. Sec _____ Tp _____ Range _____ 6. Mining District Pioneer (Superior)

7. Owner: _____

8. Address: _____

9. Operating Co.: Guzman Construction

10. Address: P.O. Box 7, Superior, AZ 85273

11. President: Mike Guzman Sr. 12. Gen. Mgr.: _____

13. Principal Metals: Silver 14. No. Employed: 3-7

15. Mill, Type & Capacity: Heap leaching Modified Merrill-Crowe recovery

16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☐
    (d) Production ☒ (e) Rate _____ tpd.

17. New Work Planned: First dore is to be produced within the next week.

18. Miscl. Notes: Guzman Construction is heap leaching dump materials from the Silver King Mine near Superior leaching is done with cyanide. Recovery of value from the pregnent solution (primarily silver) is accomplished with a modified Merrill-Crowe system (Escapule plant).

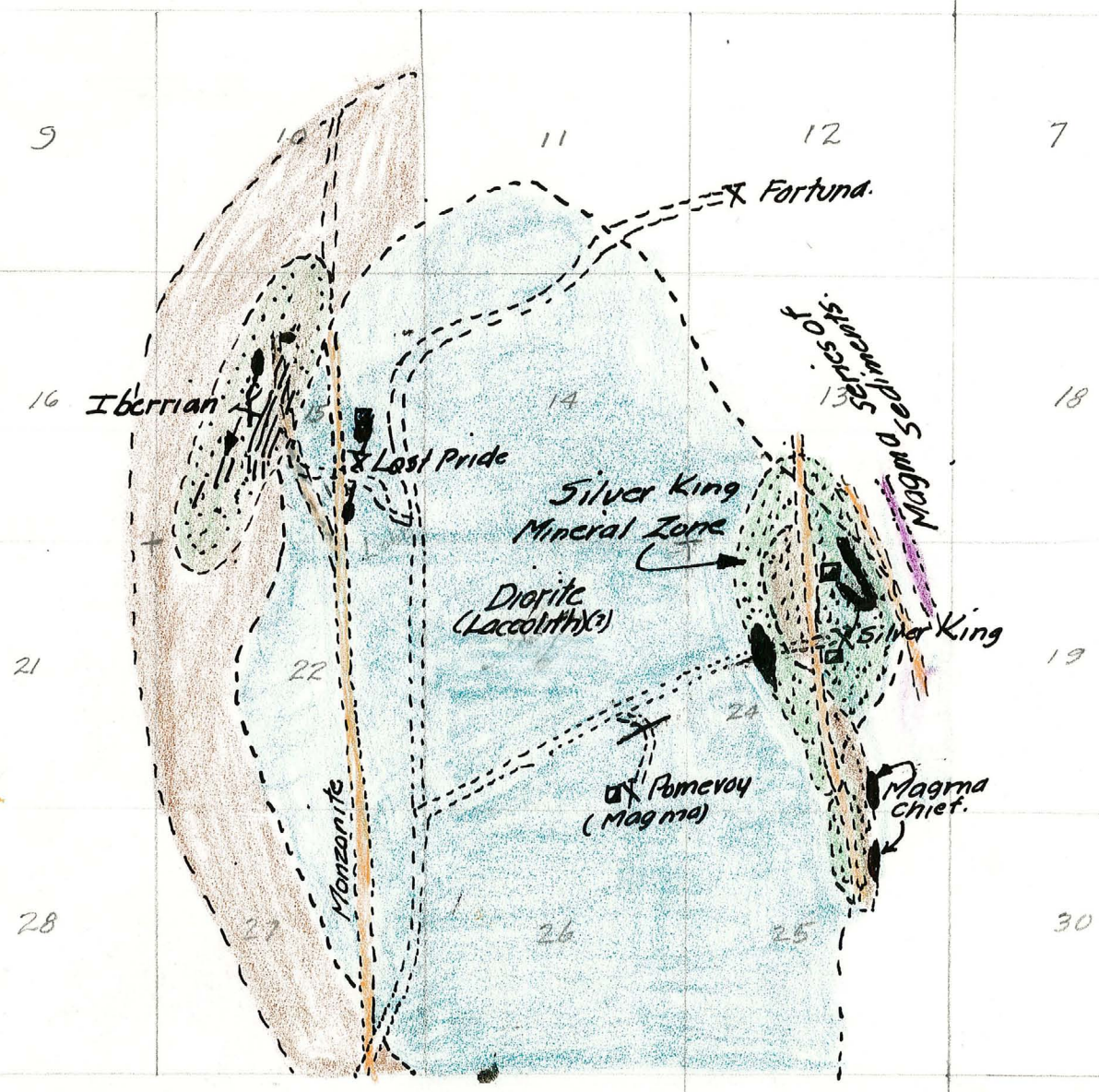
Date: January 5, 1981

Ken R. Phillips
(Signature) (Field Engineer)

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

COPY

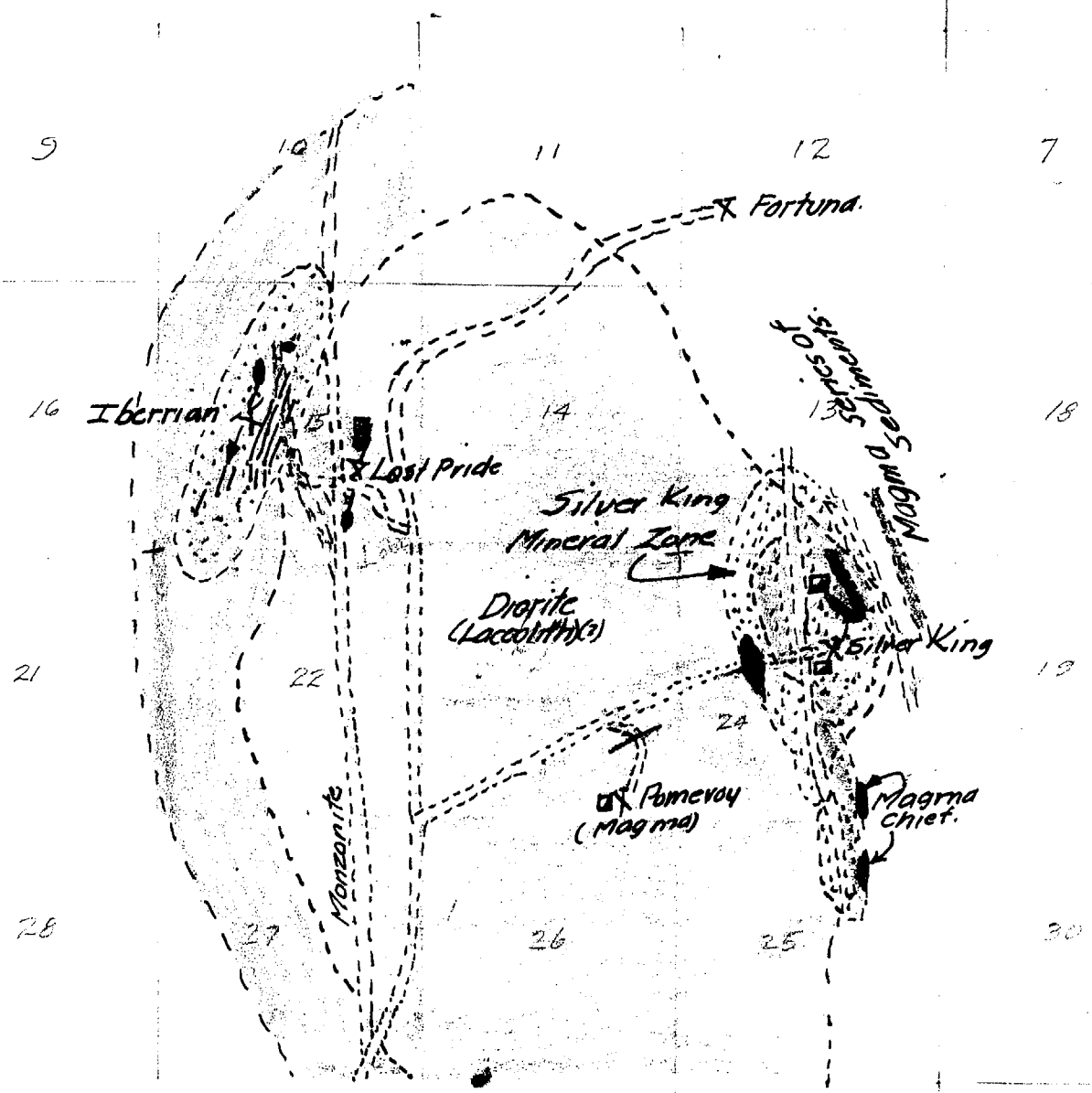
Geological Sketch Map of Silver King Wash Basin showing Distribution of Deposits Around Diorite Laccolith(?).



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

Geological Sketch Map of Silver King Wash Basin showing Distribution of Deposits Around Diorite Laccolith(?).

COPY



DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date 8 - 18 - 59

1. Mine: Silver King (& Fortuna (file)
2. Location: Sec. ..... Twp. ..... Range ..... Nearest Town Superior Distance 6
   Direction SE-+N Nearest R.R. " Distance 6
   Road Conditions Usually good -
3. Mining District and County: Pioneer (Mineral Hill), Pinal.
4. Former Name of Mine: .....
5. Owner: Dick Lobb + Grace Middleton
   Address: Box 496, Superior.
6. Operator: Not operating
   Address: .....
7. Principal Minerals: Silver, Copper
8. Number of Claims: Lode 14 Patented ..... Unpatented ✓
   Placer ..... Patented ..... Unpatented .....
9. Type of Surrounding Terrain: Hills -

10. Geology and Mineralization: .....

11. Dimension and Value of Ore Body: .....

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective leasors or buyers.

(over)

12. Ore "Blocked Out" or "In Sight":

Ore Probable:

13. Mine Workings—Amount and Condition:

	No.	Feet	Condition
Shafts			
Raises			
Tunnels			
Crosscuts			
Stopes			

14. Water Supply: Plenty -

15. Brief History: Silver King well known - Fortuna - 4 tunnels and one shaft - considerable work but not deep - very good ore - gold, silver, copper, lead.

16. Remarks: Dick Lobb part owner of Silver King. Grace Middleton owns Fortuna - 2 pat. claims and numerous unpatented available - also part of Silver King and other claims near.

17. If Property for Sale, List Approximate Price and Terms: Price depends upon method of purchase - Cash or bonded lease.

18. Signature: Grace L. Middleton

Supplementary

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Silver King Date October 22, 1959

District Mineral Hill District, Pinal County Engineer Lewis A. Smith

Subject: As reported by Bob Olsen (who leased the Silver King in the 1940s)

Leasee: Bob Olsen, Box 1054, Superior, Arizona (1940-1942)

FILED
NOV 9 1959

Owners: Foxworth Galbraith 26%) now Grace Middleton
Middleton (Grace) 10%)
Gayer (D.W.) 76%) now Dick Lobb

(Apparently the Foxworth Galbraith interest was later acquired by Mrs. Grace Middleton, Box 496 Superior, and the Gayer interest by Dick Lobb of Superior.)

Olsen stated that he shipped in 1940-1942 15 tons of ore averaging $100.00 per ton in silver and lead from a rich veinlet on the 280 ft. level of the new shaft. He cleaned out the new shaft and retimbered it to the 300 ft. level. He stated that two "old timers" who had driven a drift on the 800 ft. level, reported 8 to 10 in. of high grade was present. The seam varied somewhat in width. They hand sorted the ore. Olsen also stated that between the 200 and 300 ft. levels some 40 sets of good ore was left when the old shaft caved. In about 1910 (this was reported in an old report which now is lost but which he read), Olsen sunk an old 100 ft. winze from the 200 ft. level to 285 ft. on the "vein" and found 8 ft. of ore averaging between 8 & 10 ounces of silver. The ore was mainly along the hanging wall. The ore zone dipped 80° to SW and the strike was about N-S. This vein lies east of the Grace Middleton house. Olsen said the old shaft was 1000 ft. deep and the new shaft about 600 ft. The new shaft was sunk about 1913 and the old shaft about in 1905 to 1909.

Silver King
Pinal Co.

January 23, 1946

Mrs. Edith R. Payne
1584 New Scotland Rd.
Slingerlands, N. Y.

Dear Mrs. Payne:

In reply to your letter of Jan. 18, the Silver King of Arizona Mining Company was a Delaware corporation. You might ascertain the status of this company from the Corporation Commission of the State of Delaware. It is our understanding that the company went into bankruptcy about 1920 or 1921, and a reorganization as the Silver King mine, Incorporated, was effected.

Yours sincerely,

Eldred D. Wilson
Geologist

ARIZONA DEPT. OF MINES & MINERAL RESOURCES
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701

April 18, 1939.

Mr. W. D. McMillan,
American Girl Mine,
Ogilby, Calif.

Dear Sir:

In reply to your letter dated April 15th, I may say that the Silver King Mine has been described in a Doctor's thesis written by Dr. Frederick W. Galbraith. There is a copy of this thesis which is entitled "The Geology of the Silver King Area, Superior, Arizona" in the University of Arizona Library, but they do not allow theses to be removed from the Library Building, and the only way that you could examine it would be by making a trip here for that purpose. The thesis contains 153 typewritten pages of descriptive matter and some 30 plates. I can give you the production records quite easily, however. During the years 1875-89, inclusive, the production was 5,943,157 ozs. of silver valued at $6,526,094. During the years 1818 through 1928, inclusive, the production was 232,764 ozs. of silver valued at $252,674, or a total production for the mine of 6,175,921 ozs. of silver valued at $6,778,768. At the height of operations in 1883 the average grade of the heads was $61.08 in silver, but by 1887 the grade of ore had fallen to 21 ozs. per ton for concentrating ore and 32.4 ozs. for amalgamating ore. The costs per ton in 1887 were $10.97 for mining and $9.69 for milling and roasting. The last year of profitable operation was in 1887. From 1876 through 1887 $1,950,000 were paid in dividends, but from 1888 through 1899 there were $300,000 in assessments, making a net profitable operation $1,650,000. When the mine was operated from 1916 through 1920 the total ore treated amounted to 12,546 tons, averaging approximately $20 a ton in silver.

Trusting that this information may be of some use to you, I am

Yours very truly,

Robt. E. Heineman,
Mineralogist.

Mar. 2, 1934

Mrs. C. A. French,
81 No. State St.,
Concord, N. H.

Dear Madam:

In reply to your letter dated Feb. 22, I can tell you that the Silver King Mine, north of Superior, in Pinal County, was discovered in 1876. It was operated on a fairly large scale from 1878 to 1888 when it was supposed to be exhausted, but lessees continued to work on it until 1896. It then lay idle until taken over by the Silver King Mining Co. of Arizona which did some work on it between 1915 and 1922. The original owners were Isaac Copeland, Charlie Mason, Billy Long, and Barney Reagan. The last mentioned sold his quarter interest to James M. Burney, and Aaron Mason inherited his brother's share when the latter died. The property is now controlled by the Silver King Mine, Inc. Catlin and Pope, 25 Broad St., New York, are managing this syndicate, of which William Wilson is President, Frank H. Towsley is Vice President, T. B. Bates, Secretary-Treasurer, and Wm. Berlenshaw and Inniss Whitaker are Directors.

I feel very sure that this cannot be the property in which you are interested since it is located many miles from Phoenix, and I cannot find that anyone with any of the names you give has ever held any interest in it. Neither can I find any data concerning the Last Chance mine anywhere in the neighborhood of Phoenix, although we have clipped all references to Arizona mines and prospects that have appeared in newspapers and magazines for the past twenty years, and have other sources of information.

None of our data is filed under the names of owners or operators, and, unless you can learn the name of the mine in which you are interested, I do not see how we can help you since we do not recognize any of the names you give.

Very sincerely,

G.M.Butler-L

Dean and Director.

May 18, 1926.

Mr. U. O. Cumming,
8 E. 34th St.,
New York City.

Dear Sir:

In reply to your letter dated May 11, I wish to say that the old Silver King of Arizona Mine was one of the bonanza producers in the State along in the 80's. In its palmy days, the mine produced on an average 100 tons of high grade silver ore daily. The property is credited with having produced over $10,000,000 worth of good silver ore, although the concentrates had to be hauled across the desert to Yuma, then shipped down the Colorado river and thence to San Francisco by boat. The Silver King Mines, Incorporated, is virtually the successor of the Silver King of Arizona Mine, each holder of 1000 shares of old stock having been given the right to subscribe to 400 shares of new stock. The office of the new company is located at No. 1 Broadway. Catlin, Hope & Boyd, 25 Broad St. New York, are the syndicate managers. The company was incorporated in 1921 in Delaware, with a capitalization of $2,000,000 shares of one dollar par value. One million shares were issued to bondholders and creditors of the old company.

The property consists of 11 claims about three miles from Superior, in Pinal County, in this State. The Silver King of Arizona mining company became bankrupt in 1920.

Henry C. Carr reported in 1924 that at least $2,000,000 worth of commercial ore remains in the mine, although it is of too low grade to stand shipment as mined. It is believed that deeper development may expose additional amounts of milling ore. Although apparently determined efforts were made in 1924 to reopen the property by a new company, we have on file no clippings whatever relating to this property, dated after May 1, 1924. Since we clip all references to Arizona mines that appear in newspapers or periodicals, I consider it very likely that the property is still idle.

Hoping that this information will be of service to you, I am

Very sincerely,

G.M.Butler-L

Dean and Director.

Sept. 9, 1919

Mr. Walton H. Rotier,
Suite 1054 Pierce Bldg.,
St. Louis, Mo.

Dear Sir:

In reply to your letter dated Sept. 4, in which you request information concerning the Silver King Mine of Arizona, I wish to say that we have no printed reports on this property available to send to you. We have, however, scores of clippings from various newspapers and periodicals on file, and have other sources of information. These indicate that the property has been developed actively during the past two years, and seems to have a promising future. A clipping dated Aug. 15 of this year states that a ledge of high-grade silver ore had just been struck at about 200 ft. down in the new three-compartment shaft. This was a new discovery, as the rich silver ore previously mined came from the 400 ft. level in the old workings.

The report of the State Mine Inspector for 1918 states that at the beginning of the year 22 men were employed at the surface and 18 underground, while at the last inspection 17 men were on the surface and 14 underground. At the time of both inspections the property was producing about 500 tons per month.

As none of my staff happen to have visited this property, I cannot give you our personal impressions concerning it, but hope that the data above offered will be of service to you.

Very sincerely,

G.M.Butler-L

Dean and Director.

Silver King of Arizona Mining Co.

John Fowle, receiver. Office: 1 Broadway, New York. Mine Office, Superior, Ariz.

Officers: A.W.Hillebrand, pres.; John Fowle, v.p.-Mgr.; W.F. Ainsworth, Sec.-treas., with E.J.Stern, E.S.Booth, G.D.Christy and W.W.Lawhon, directors.

Inc. May, 1916, in Arizona. Cap. $2,500,000; $1 par; changed to $5 par in 1920; and $500,000 7% 10-year bond issue authorized. Security Transfer and Registrar Co., New York, transfer office. Annual meeting, second Tuesday in January. Listed on New York Curb.

Financial statement, December 31, 1919, showed: Total assets, $2,365,017; current assets, $78,328. Liabilities: capital stock, $2,014,290; bonds, $213,400; accounts and notes payable, $18,405; surplus, $99,632.

Operating account showed expenditures, $311,403; income and receipts, $326,006; cash balance, $27,704.

Property: The Silver King mine, 11 claims, over 170 acres, 3 miles from Superior, Pinal County, on the Stoneman grade. It is an old silver mine, popularly credited with a production of $10,000,000 and known to have paid $1,950,000 in dividends up to July, 1887. Opened to a depth of 1,000', the mine was originally worked for gold and silver, copper ore in the form of tetrahedrite coming in at a depth of about 310' and continuing to depth of 510'.

Geology: The conditions are described in Bull. 540, U.S.Geol, Surv. Though currently spoken of as a vein, the ore body is a stockwork, in which the extraordinary rich ores, carrying various silver arsenical and antimonial sulphides of silver, with argentite and stromeyerite, apparently gave out at the bottom levels. Below this level, lower grade but payable concentrating ore, amenable to flotation may be expected and lateral development is also expected to develop more ore. Old records show that copper ore was mined on the 800' level.

Company was to sink a 3-compartment 1,000' shaft and upon its completion planned erecting a 500-ton mill. The shaft was down 635' at end of June, 1920.

Equipment: Includes gasoline hoist, compressor, pump, 5-ton auto truck and a 25-ton plant using a Marcy mill and flotation apparatus. The mill started operating in November, 1918. Shipments during 1919 totaled $97,606, and in 1918 netted the company $46,983.

In July, 1920, John Fowle, v.p. and gen. mgr., was appointed receiver at an annual salary of $4,000 a year. Judgments against the company for $361,731, resulted in foreclosure sale, July, 1921, to Walter F. Ainsworth, New York, for $250,000.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine: Silver King — Date: February 25, 1959

District: Mineral Hills (Pioneer) Pinal Co. — Engineer: Lewis A. Smith

Subject: Mine Visit

Claims: 14 (unpatented)

Owners: Dick Lobb and Grace Middleton, Superior, Arizona. Mrs. Middleton, Box 496, Superior.

Status: Idle

Work: 1 deep shaft (not accessible), 1 shaft 75' deep, 1 shaft 20' deep, 1 tunnel 80-100', numerous cuts and shallow workings.

Minerals: Gold, silver, copper, some lead. (Chalcopyrite, bornite, stromeyerite, galena and equivalent oxides) Native silver is reported to have been prevalent at one time.

Geology: Part of the mineralized area is in schist (Pinal) and part is in diorite and monzonite porphyry. The monzonite porphyry is in dikes which apparently caused contact-metamorphism and mineralization. The contacts are saturated locally by pure bands and disseminations of epidote and garnet, the epidote favoring the schist and diorite. Local silicification areas and veinlets of quartz occur in the porphyry and adjacent to it.

The glory hole (open cut) shows strong kaolinization accompanied by malachite and azurite in the porphyry. A few remaining stringers show galena which according to Mrs. Middleton carry good silver values. Inspection of this material showed a sooty coating in the galena cleavage planes. This appears upon superficial observation to be argentite. A few scattered blebs of stromeyerite (?) were seen. Dick Lobb said that stromeyerite and native silver were the main silver sources in the best ore. One of his specimens showed considerable stromeyerite.

Two brown limonite stained gossons cross the hill west of the main mine and these apparently are over monzonite dikes. The limonite is indicative of copper, but is not consistently concentrated. These showings should be investigated with special reference to the contact zones which show strong epidotization in places. These cross both diorite and the overlying schist. The conditions here are similar to those in the glory hole in the main mineral zone, but the mineralization is less concentrated and more sporadic. In the general area the ore shoots tend to be lenticular and somewhat discontinuous, but sometimes they are relatively high grade. Similar concentrated kidneys were reported to have been extruded from the Lost Pride, Magma Chief and Fortuna.

The various monzonite dikes appear to be more concentrated around the borders of the diorite laccolith (?). The central or main portion of the diorite is coarse grained, whereas the outer areas are much finer grained. The borders would be more easily penetrated by intrusives because (if the mass is truly laccolithic) the wings would be much thinner and more rapidly cooled. The main mass was inspected from N to E to determine this condition.

The physical condition of the mine is not very good because no work has been done there for a long time. One steel head frame is still present as well as one stone building.

The dumps show some ore material, but the last material placed there was not of value and was mainly unaltered diorite.

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date: June 9th 1945

Name of Mine: Silver King

Owner or Operator: Bud Munsey

Address: P.O. Box 235

Mine Location: Superior Arizona

Filing Information

File System:

File No.:

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development.....; Financing.....; Sale of mine.....;

Experimental (sampling) X; Owner's occasional trip.....;

Other (specify).....

PRODUCTION: **Past and Future.**

	Tons
Approx. tons last 3 months	
Approx. present rate per 3 months	
Anticipated rate next 3 months	
If in distant future check (X) here	

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors Demand Drill			500
Other Mine or Mill Eqpt.			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Silver Copper

REMARKS:

Application Approved

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By: [illegible]

Field Engr. Dept of M. R.

Taken from - Ransome's Report, Contributions to Economic Geology, 1912
Pt. I, "Copper Deposits near Superior, Arizona"

p 143 The most noted mine in the vicinity of Superior is the Silver King, which was opened in 1875 and for many years produced high-grade silver ore from a deposit of the form commonly called by miners a "chimney." The mine ceased to be regularly productive about 1888 and has been continuously idle since 1898. In 1912 the ground was relocated, on the contention that it had been abandoned by its former owners. The production of the Silver King is variously reported as between $10,000,000 and $15,000,000. The lower figure is probably too high, but the Silver King Mining Co. is known to have paid dividends up to July, 1887, amounting to $1,950,000. The mine was worked through three shafts. The main shaft and large, compact compact stopes worked by square setting extend to a depth of 800 feet, below which a winze connects with the 950-foot level of the No. 2 shaft, which was used for pumping. The workings are now full of water.

pp 155-158 The Silver King mine was well described by W.P. Blake 30 years ago, but his original publication is not readily accessible. Accordingly, although the present paper is concerned mainly with the copper deposits, and although the old mine, being full of water could not be reexamined, a brief descriptive summary of the conditions under which the ore occurred will perhaps be of sufficient interest to warrant its inclusion here.

The eruptive mass which incloses the ore is a quartz diorite porphyry or closely related rock. It presents some rather noticeable variations, which Blake distinguished as "porphyry", "sienite," and "granite," although they appear to be merely facies of one intrusive body which is probably of Mesozoic age.

The ore body formerly cropped out at the top of a little hill about 75 feet high, composed of much-altered yellowish-brown to greenish gray porphyry. Stoping was carried to the surface and a crater-like pit from 100 to 125 feet in diameter marks the site of the former outcrop. Here and there in the porphyry walls of the pit may be found small veinlets of rich, partly oxidized silver ore, but, so far as can be seen from the surface, the ore body was not part of a vein, and there is nothing to suggest that it was determined by the intersection of two or more persistent fissures. It apparently was a compact plexus of veinlets inclosed in comparatively unfissured porphyry.

Blake's description and the maps of underground workings show that the ore body was a stockwork about 130 feet in maximum diameter, with a general dip of 70° W. The stockwork was disposed about an irregular core or axis of milk-white quartz, containing some bunches of rich ore but as a whole comparatively barren. This material is abundant and conspicuous in the mine dump and evidently constituted at times the bulk of the waste. The ore consisted of altered porphyry traversed in all directions by innumerable veinlets carrying stromeyerite, tetrahedrite, galena, sphalerite, chalcopyrite, and pyrite in a gangue of quartz with some barite. The minerals named were noted in 1912 on the dump, but

Blake lists and describes also native silver, argentite, bornite, calcite, and siderite. Bornite, chalcopyrite, and pyrite are said to have been comparatively rare. Blake makes the interesting observation that stromeyerite and high argentiferous tetrahedrite with more or less argentite were the most important constitutents of the ore on the upper levels, whereas argentiferous sphalerite had become the principal ore mineral on the seventh level. Native silver, associated with stromeyerite and sphalerite, was abundant on that level, according to the same observer. He also describes the metallic minerals as occurring generally along the medial plane of the veinlets, a characteristic that is verifiable in specimens collected on the dumps in 1912. Apparently the deposit was not deeply oxidised and veinlets seen in the open pit in 1912 showed sulphides present with cerargyrite, malachite, and azurite. Blake notes also native copper, cuprite, "oxides and carbonates of lead and possibly embolite, the chlorobromide of silver; also the argentite, in pure black lumps."

From the fact that water is now flowing from the collar of the No. 2 shaft the original water level was probably close to the surface. The quantity of water pumped to keep the mine clear near its maximum development in 1887 was 10,941 gallons a day. Blake states that at the time of his visit (1882 or 1883), when the mine was 714 feet deep, only 2,000 gallons a day was pumped, all of which entered the mine at the first or 114-foot level.

In the early stages of development, before there was a railroad in Arizona, some rich ore was shipped under great disadvantages. Blake states that some of this carefully sorted ore averaged $1,000 a ton, and as late as 1887 the superintendent, Mr. Arthur Macy, reported assays up to 447 ounces of silver to the ton in ore consisting chiefly of tetrahedrite. Subsequently two 20-stamp mills were built at Pinal, 5 miles from the mine. Some idea of the character of the ore during a rather late stage in the activity of the mine is obtainable from the company's report for 1887, wherein it is stated that mill No. 1, employing wet crushing and concentration, treated 2,698.75 tons of ore with an average content of 21.08 ounces of silver to the ton. The product was 577,813 tons of first-class concentrates averaging 834,135 ounces of silver to the ton and 31 per cent of lead. Of the total silver contents, 53.95 per cent was native silver. In addition the mill turned out 1,261.55 tons of second-class concentrates carrying 31.77 ounces of silver to the ton, chiefly combined in zinc blende and galena. Mill No. 2, in which chloridizing, roasting, and pan amalgamation were employed, treated 4,840.08 tons of first-class ore, averaging 32.47 ounces of silver to the ton of roasted pulp, 1,913.51 tons of second-class concentrates, and 3,875.34 tons of old tailings with an average content of 12 ounces of silver to the ton. The superintendent states that whereas previously the ore treated in this mill had carried 50 per cent of its silver in native condition, the proportion for the year covered by the report had fallen so notably and the bullion, not withstanding an extraction of over 96 per cent of the total silver, had become so base that he had stopped this method of treatment and was experimenting with an old lixiviation plant previously used.

Various explanations are given locally for the failure of this interesting deposit below the 800-foot level, some stating that the ore body was

faulted, some that the ore changed in character and grade. The latter is probably true. The worked-out part of the deposit appears to have been a striking example of deep downward enrichment. If so, the time may come when the old mine will be reopened and its low-grade hypogene ore utilized.

PINAL COUNTY

1899

The silver mines of Pinal County, being largely low-grade propositions, the output of the white metal has been next to nithing for the past year, the present price being so low that they can not be worked at a profit. The Silver King is an exception, and work has been recently started up on this property, which has in times past paid over $2,000,000 in dividends to its stockholders. In gold mining, however, there has been considerable activity at Mammoth, Goldfield, Ripsey, and other points, and the bullion output of gold for the year has been about $250,000. With the new machinery that is being put in this will easily be doubled the coming year. The principal mines of the county are the Silver King, and Reymert (both silver and each with 20-stamp mills), the Reward (copper), and the following gold mines:

	Stamps
Mammoth, at Mammoth	50
Mammoth, at Goldfield	20
Mohawk, at Mammoth	50
Bulldog, at Goldfield	10
Reksom, at Mineral Creek	5
Mammon, south of Casa Grande	20
Victoria, south of Casa Grande	10
Southern Belle at Catalinas	20
Norman, at Ripsey	20

ROSEMONT COPPER MINES

1899

These were worked for a time by the late L. J. Rose, passed, in 1896, into the hands of the Lewisohn Brothers, of New York, and are being developed.

SAN XAVIER

1899

The old San Xavier lead, zinc, copper, and silver mine, which has been idle for years, is now (1899) being worked and is producing. 7

SILVER KING 1899

The Silver King, for years one of the most brilliant of the Silver producers of Arizona, and which built up the prosperous towns of Pinal and Silver King, was discovered in March, 1875. It was worked for several years under the chief ownership of Col. James M. Barney, and paid some millions in dividends, but since the fall in value of silver, and for other reasons, it is now idle.

1899

Camels

Of the camels taken to California a number was returned to Arizona in 1876, for the purpose of transporting ores from the then rich Silver King mine.

Here again, their presence was objected to by teamsters and freighters, and the band was turned loose between the Gila and Colorado rivers, through which section they have been roaming ever since.

Silver King
Pinal Co.

Hilzinger, J. George, 1897, Treasure Land:
Arizona Advancement Co., Tucson, 160p.

The Discovery of the Silver King. The discovery of the Silver King mine, whose almost fabulous richness first attracted attention to the mineral resources of Southern Arizona, has been a favorite theme for romancers. We are not going to add a new version, but merely desire to state that we did not discover it, and do not know who did. The first persons, however, to attach themselves to it to any advantage were four farmers living near Florence, in Pinal county, named Reagan, Copeland, Mason and Long. They had already discovered copper in the Globe district, and were therefore regularly in the business. For this reason we are of the opinion that the Silver King did not discover them.

Copeland and Long sold out to their partners for $80,000, under the impression that the mine was too good to last. but this amount was made from the net profits in less than six months. Then Charlie Mason weakened and sold his interest to Col. James M. Barney, of Yuma, for $250,000. At this time the first-class ores assayed $8,000 to $20,000 per ton, and were shipped to San Francisco by way of Yuma. Soon after, Reagan began to suspect the mine had a bottom to it, and sold out to Barney for $300,000.

Col. Robt. Williams reached Pinal just as this deal was consummated and opened an hotel. His was the first substantial building erected outside of those belonging to the Silver King company, but as the permanency of the mine was demonstrated, other buildings were erected. The company's pay-roll seldom fell below $40,000 per month, and the camp was prosperous until the decline in silver and the scarcity of ore in the mine caused a cessation of work and the practical abandonment of the camp.

Among the colonel's stories is one that illustrates the methods employed to boom mining stock in Silver King and Comstock days, where there was a live superintendent at one end of the line and skilful financiers at the other.

The Seventy-Six mine was located near enough to the Silver King mine, in Pinal county, to have some savor of goodness in the eyes of a gullible public, but industrious and expensive excavations produced nothing but "holiness;" in fact, as the colonel expresses it, "there wasn't a smell of ore." If the company couldn't get ore there was nothing but common sense to prevent them from procuring a mill, and a five-stamp plant was erected to grind out hope for the stockholders. But even hope failed, and the superintendent was called upon to coöperate with the directors of the Seventy-Six company to get them out of the hole.

Copeland had sold out his interest in the Silver King to Mason and Reagan, but retained possession of the dump, from which all the $20,000 ore had been selected and shipped. When he had sorted this over again to his own satisfaction, he sold the rest of the dump to four Frenchmen for $1,000, and they also found fine pickings; then two of them bought out the others for $10,000, and still had a small fortune left. The superintendent of Seventy-Six saw the possibilities of this dump, and proposed to the owners to run the balance of the ore through his mill at so much per ton, the bullion to be marketed through his company. As the ore was now too low grade for shipment, they readily agreed, and the stock market was soon impressed with the fact that the Seventy-Six was turning out bullion at the rate of several bars a day, and without stopping to investigate the question of ownership, the public made such a rush for stock that it went up to $7.50 a share. Of course, it wasn't worth the smallest fraction of a cent, but this was not discovered until the inside stockholders and the superintendent had unloaded.

The mill was afterwards sold to the Silver King company, but "the hole was too deep for a grave and not long enough for a well."

ARIZONA DEPT. OF MINES & MINERAL RESOURCES
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701

SILVER KING 1896

There has been a revival of mining at the celebrated Silver King mine, in Pinal County, which for some years after the exhaustion of the great bonanza on the seventh level remained closed or idle. The mine has been reopened and a fresh supply of ore found east of and above the old open pit. Mr. Pheby, the present superintendent, writes that he is working to a depth of 230 feet on what appears to be a regular fissure vein. The new shaft is some 200 feet back of the old pit, or open cut, from which the earlier bonanzas were taken. The walls of this vein are hard, compact, highly basic feldspar porphyry. The vein cuts directly through this rock and is nearly vertical. There is a good gouge on one of the walls which is sometimes rich enough to mill. The new discovery carries the same king of silver bearing ore and minerals found in the western workings, and with quartz as the gauge. Considerable ore has already been extracted from this new ground which gave concentrates carrying 800 to 900 ounces.

This mine is said to have paid over $2,000,000 in dividends. The great bonanza on the seventh level appears to have been cut off by a sliding or faulting. Extended borings with the diamond drill under the floor of this level have not shown any continuation of the ore downward. It is probable that a proper critical study of the plane of slip would reveal the direction of the movement, and lead to a discovery of the great mass of ore.

The production of silver at the company's mill of ten stamps running five months on half time is valued at $25,000, the silver being reckoned at about 7 cents per ounce. This represents the output for the year.

1896

The remarkable output of a few wonderful mines some years ago gave prestige to Arizona, and the sudden stoppage of dividends, through mismanagement and ignorance of the facts, has turned away capital which certainly would have earned as much here in legitimate mining as it has brought to its owners elsewhere in the meantime. The inference drawn from the commercial history of the Bonanza mine was what might have been expected, no doubt, but that it was erroneous and unbusiness like is most clearly proved by the sequel. It is a very common thing for investors who too freely place their capital where they can not or do not watch its manipulation to console themselves for its loss by wholesale condemnation of the investment and all of its class.

If we throw out certain barefaced swindles, which no sensible honest man could have regarded as legitimate after very moderate investigation, there remain only two or three districts which have formed the basis of the adverse judgment which has been passed upon Arizona's mines in some influential financial quarters. Probably the real foundation for the idea with which I was fully imbued when I came to this Territory might be traced to the record of the Silver King and one or two of the Tombstone properties, notably the Tombstone Mining and Milling Company's holdings. From the early experience of these we were led to judge that the whole vast aggregate of the ores of gold and silver in Arizona was merely superficial, though enormously rich.

(Director of the Arizona School of Mines, Dr. Theo. B. Comstock.)

Silver King Mining Company. Silver King Pinal Co.

ASSAY OFFICE.

Pinal, A. T. Dec 3d 1881

MEMORANDUM OF ASSAY.

Number of Charge.	Description.	Ounces Troy Per Ton.	Assay Value Per Ton. $	c.	Remarks.
	A. Mason #1		19	57	
	" 2		10	50	
	" 3		12	03	
	" 4		128	21	70.7% Copper
	" 5		15	08	
	" 6		Traces of Silver		33.5% Copper
	" 7		113	12	39.8% Copper
	" 8		67	87	33.5% do
	" 9		37	70	27.5% do
	" 10		165	92	
	" 11		5	65	

C. O. Allen

ARIZONA DEPT. OF MINES & MINERAL RESOURC
STATE OFFICE BUILDING
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SILVER KING MINE PINAL COUNTY

Mr. Lobb reported that he owned 63.9% of the Silver King and Mrs. Grace Middleton held most of the remaining stock.

Mr. Webster, geologist for Magma, later stated that the Silver King chimney is reported to have been bottomed on a flat fault. The 800 foot shaft (old shaft) is reported to have had some bornite against the fault. No data as to the amount of movement of the fault is available, although it is said to dip northwest. A monzonite porphyry dike (30-50' wide) borders the chimney on the west. Some evidence indicates that the ore in the King did not go past this dike, and Webster said it could possibly be premineral. Mr. Dick Lobb stated that oxidized capping minerals appeared to lie mostly east of the dike. Contact metamorphism is present on both sides but the contact zone is quite narrow.
Memo LAS Interview with Dick Lobb - 2-21-62

Interview with Mrs. Grace Middleton - 9-20-62

Mrs. Middleton has been approached by H. D. Jackson relative to obtaining an option on her interest in the Silver King. She has refused to dicker with him. LAS Memo 9-20-62

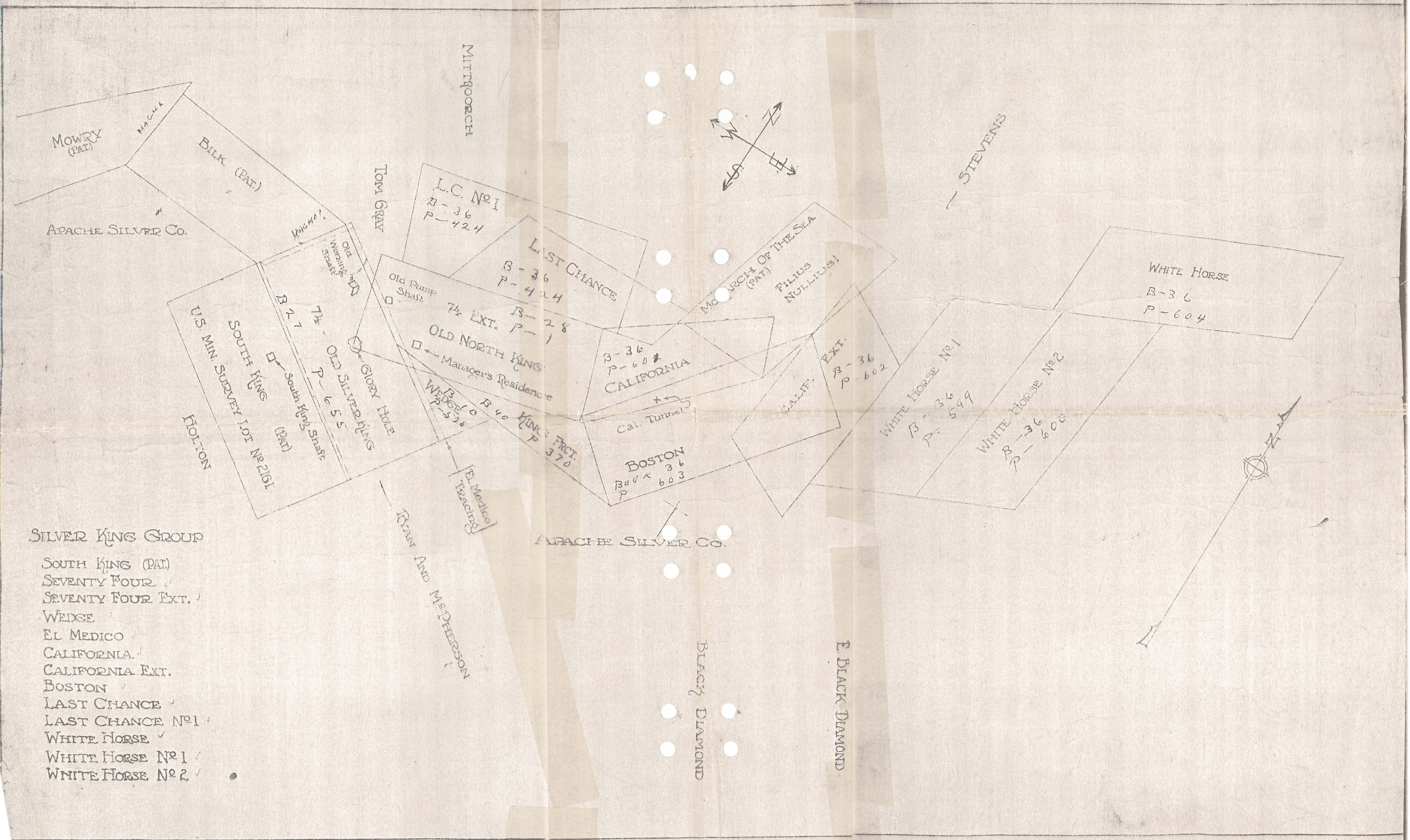
KAP WR 1/9/81; Mike Guzman Jr. reported that Guzman Construction is operating a heap leach cyanide operation at the Silver King Mine, Pioneer District (Superior) Pinal County. They are using a modified Merrill-Crowe recovery system (Escapule Plant). They expect to pour their first silver dore next week.

NJN WR 11/13/82: Talked with Guzman Construction. They are still leaching at the Silver King Mine north of Superior.

NJN WR 5/6/83: A brief visit was made to the Silver King Mine, Pinal County. The Guzman heap leach operation here has been shutdown. The area of the heap and recovery building was fenced and locked. No personnel or equiment were present on the site.

NJN WR 12/16/83: In the company of Dick Beard, visited the Silver King Mine, Pinal County. Agreeing with what the Guzman's reported for the Active Mine Directory, there is no activity at the property.

KAP WR 8/7/87: Made a short visit to the Silver King Mine (file) Pinal County. Little remains of Guzman Construction's past cyanide heap leaching operation. The dumps have been dozed; probably both for sampling and perhaps subsequent heaping on a leach pad. Remains of a house trailer are still on the property. Since the cyanide heap leahcing operation is completely shut down and reportedly abandoned, the status in MILS has been changed to past producer.



SILVER KING GROUP

- SOUTH KING (PAT.)
- SEVENTY FOUR
- SEVENTY FOUR EXT.
- WEDGE
- EL MEDICO
- CALIFORNIA
- CALIFORNIA EXT.
- BOSTON
- LAST CHANCE
- LAST CHANCE Nº 1
- WHITE HORSE
- WHITE HORSE Nº 1
- WHITE HORSE Nº 2