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About a month ago the mining editor visited the properties of the Highland Mining Company and was surprised with the enormous amount of work that had been done during the year. To our way of thinking no mine in the state has secured so much work for such a small amount of expenditure, the company having carried on the work of development without interruption during the entire year. The drift from the deep tunnel on the Middle-Golconda ground has been carried into the veins and drifting on the vein is now in 1000 feet from the tunnel heading. It is the intention to carry this drift into the old works of the Golconda, passing through the Little Jimmy and Tub veins. A depth of over 800 feet perpendicularly will be obtained on the Golconda, and the big ore bodies above that level made accessible. The Tub vein, which is one of the largest in that section, will also be opened to the 500 level, this ground being virgin. The vein in places is fully 50 feet wide and capable of producing enormous bodies of ore. All ores will be carried through the tunnel of the Middle Golconda to the mill, which will be erected at the mouth of the tunnel. It is proposed to handle every pound of ore automatically, the ore being dropped into ore pockets in the mine, then into big mine cars, thence to the mill bunkers and fed into the big breakers and rolls. Oil flotation will be the method employed in the recovery of values. The ores from these mines run high in silver, gold, lead and zinc. A complete separation of the zinc and lead will be made, although it is improbable that the zinc will be marketed at this time, the management preferring to await better market conditions.

Among the out-of-town shareholders attending the meeting were W. J. Cook, Chloride; J. B. Speed, Los Angeles; Ole — Aaker, Flandreau; Edwin Baker and Charles Brunner, Durant, Wis. These men visited the mines of the company and were well pleased with the condition of the property.

HIGHLAND MINING TO BUILD MILL

KINGMAN—The annual meeting of the shareholders of the Highland Mining company was held at the offices of the Citizens bank, in Kingman, recently, practically all the issued shares being represented. The report of the general manager was read and approved. This report was one of the most important ever made to the corporation, as it showed the payment for every article of machinery, the purchase of the Golconda group of mines, the driving of better than 1000 feet of drifts, raises to the other levels and the improvement of the surface. The deep tunnel has been driven towards the old Prosperity and Primrose, these properties to be entered several hundred feet below the old tunnel levels. The treasurer's report shows the expenditure of over \$60,000 for labor and machinery during the year, the new mill material being paid for and on the ground. Owing to the non-arrival of transformers, which had been ordered early in the past year, the work of erection of the mill had been retarded. This work will now be rushed to completion.

HIGHLAND MINING COMPANY HOLDS ANNUAL MEETING

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About a month ago the

MILL TO HANDLE GOLCONDA ORES IS BEING ASSEMBLED

The work of assembling the big Highland Mining company mill, in Todd Basin, is fast approaching completion. The mill will have a capacity of about 100 tons daily and will be equipped with every value saving device that is known to the metallurgist. The concrete foundations for the big machines have been poured and the machinery is being gotten in place.

The property of the Highland Mining company, which consists of the Middle Golconda property and that of the old Union Basin Mining company, is the most important in the Cerbat range, covering the Golconda, Big Bethel, Silver, Tubb, Prosperity, Blackfoot, Primrose and other mines that have made record production in the past, but which have not been more than scratched over. The Golconda has been opened to a depth of 1400 feet on the incline and has an enormous reserve of ore. The same is true of the Silver, Tubb and Prosperity. These claims are now in position to output a tonnage that will keep the big mill in operation for at least two years. No more important property is to be found in the state than the estate of the company and as soon as the mill is in commission we may expect to hear good results from it. During the high price of zinc the Golconda shipped 1500 tons of high grade product to the smelter monthly, this mine producing nearly all the zinc that the state was credited with, and also was a large producer of lead. With the other mines operating the output will be large in silver and gold, also.

SHAREHOLDERS OF THE HIGHLAND M. & M. CO. MEETING HERE TODAY

A number of shareholders of the Highland Mining company have arrived from the east, and a meeting of the board of directors will be held in Kingman today. The men are large shareholders in the company and it is their purpose to work out the finances to an extent that will bring the large mine holdings of the company into a productive condition. The company is the owner of the best mining property in the county. It has the Golconda, a mine that has made millions for the old owners; the Prosperity, a large producer of rich ore; the Primrose, another producer; the Blackfoot, one of the mines that made leasers wealthy; the Middle Golconda property, that has many thousands of tons of valuable ore blocked out ready to mill. The company has a new milling plant almost ready to go into commission, and all these properties have been purchased and developed to a wonderful extent, a mill purchased and assembled, all for an incredibly small expenditure of money. The group of mines are wonderful from a production point of view. The Golconda has a shaft 1400 feet on the incline and thousands of feet of lateral work, while the other claims have been opened to a depth of about 600 feet through tunnels and adit drifts. Every opening shows mill ore of high value and further work should bring in enormous bodies of shipping and mill ores.

No company in the state has obtained the value from their investment that the Highland has obtained. Of course, it is necessary to carry development further on the properties and to complete the big mill, but there is now in sight more than enough ore to return far more than the original investment with interest.

NEW EQUIPMENT INSTALLED IN HIGHLAND MILL

Trial Run Successful and Plant Will Soon Be ship- ping Concentrates.

The mill of the Highland Mining company is now complete, the new oil flotation machinery installed and a trial run made. This run was said to have been successful.

The mill of this company is one of the most complete affairs of the kind in the state, being equipped with the best grinding machinery, concentration table for roughing and a flotation system of the latest design. The concentrators have been used for the production of a 40-ton car of concentrates and now the flotation system is ready to go. The company has an enormous tonnage of rich mill ore to work on and it is possible that its property will be in a high state of production before the first of the year. The development of the property has been under way the past four years and the work done is substantial in every way. C. B. Bell, who has had charge of the property since it came into the hands of the company, has gotten wonderful results from the amount of money expended. Tunnels have been run, drifts carried off on the veins and thousands of feet of work done that is potential. Everywhere that this work has been carried in on the property splendid ore has been entered.

Among the men who has made the success of the company possible is Alexander Rose, who has been acting as secretary and treasurer. Mr. Rose has been a firm believer in the property and has backed this belief with his money and labor. And that his faith is being rewarded is evidenced by the great bodies of ore that are in evidence in all the openings on all the properties.

HIGHLAND MILL READY TO RUN EARLY NEXT WEEK

Large tonnage of ore opened in mine formerly known as the Old Golconda.

Charles B. Bell reports that the big Highland mill will be put in commission about next Monday, several of the units having already been tried out. The work of trying out the plant has been going on for some time and the machinery on only one of the floors will have to be tuned up to put the plant wholly in commission. This plant is one of the best equipped milling units in the country having every labor saving and value saving device that is found to be worth while. It will use the latest method of oil flotation, and we believe that a great saving will be effected.

The mine has an enormous amount of ore insight and in the dumps that can be put through the mill, the values being high in gold, silver, copper and lead, while a saving of zinc will also create a product that can obtain ready market. The silver values are good throughout the mine, some of the ore bodies carrying a grade sufficiently high to ship the raw ores direct to the smelters. The grade of ore that will be milled will have a value in excess of \$20 per ton, aside from the bases that the ores contain.

During the past several years the Highland mines have been operated on a scale that has brought to light a great tonnage of mill ore. The tunnels have been carried far into the mountain, drifts have been run off on the veins and everywhere ore has been exposed, and in such quantity that the big mill may be kept successfully in operation for more than a year without further development. This work has been done at low costs, which means much when milling is under way. Charles Bell, the general manager, has been energetic in the development of the property and the erection of the milling plant, securing big returns on the money investment.

LAST CARLOAD OF MACHINERY FOR HIGHLAND

The last carload of machinery for the Highland mill is expected in Kingman today and will go out over the Chloride railroad to Mineral in the morning. As soon as it can be hauled in to the mine the machinery will be installed in the mill and that big plant will then be ready to go into commission.

The mill of the Highland Mining company is one of the most important in the county and the impression is that it will save the values from the ores of the property, which consists of the estate of the old Golconda company and the Middle Golconda mines. These mines are among the most important of any in the state and have thousands of tons of high grade mill ore ready to be stoped. The Golconda mine was one of the largest shippers of zinc ore in the southwest prior to the war, but owing to the destruction of the mill by fire no further effort was made by the old company to resurrect it, and later it passed into the ownership of the Highland Mining company. The entire estate of the company covers many important veins, especially the Prosperity, which produced largely above the tunnel level, the ore running high in silver and gold. All the other veins have been producers, no section of the Wallapai district outputting better ores.

The mines and mill are under the management of C. B. Bell, an old time Cripple Creek mining man.

Kingman

MILL OF HIGHLAND MINING COMPANY NEARS COMPLETION

The mill of the Highland Mining company is fast nearing completion there being quite a number of men working on the finishing touches.

This mill will have about 200 tons daily capacity and will have every known metal saving device. Charles B. Bell has had the work well in hand the past several months and now can see the end of his hard labor. The plant is one of the best built affairs in the county, every machine having concrete foundation and the buildings being an iron and concrete affair.

The Highland Mining company was organized about two years ago to take over the property of the Middle Golconda and later purchased all of the holdings of the Union Basin Mining company, which is one of the most important mining properties in the district. The Golconda mine, one of the claims of the group, produced several million dollars worth of zinc ores during its exploitation by John Boyle and later by the Amster people. It still has immense reserves of ore, the values being rather high in zinc, silver and gold.

The company also owns the Bethel and Silver properties, which have been developed to a great extent by tunnel and adit drifts, the big ore bodies remaining almost untouched in the stopes. On the dumps there are many thousands of tons of high grade milling ore that has been taken from the mine openings. The average of the ore will run far above \$30 per ton in gold, silver and lead. The estate of the company is the largest of any company in the county, aside from that of the White Hills Mining company, and every claim in the big group carries potential values and the veins are large and well defined. No better property is to be found in the state than this company holdings, and a mining man viewing the property for the first time will be amazed with

*Kingman
Oct 25-1911*

the vast bodies of ore that have been exposed.

It is expected that shortly after the first of the year the big milling plant will go into commission and that big shipments will thereafter go forward monthly to the smelter. The greater number of company shareholders reside in Minnesota and Wisconsin, many of them having made the pilgrimage to the mines and making personal examinations of the property, satisfying themselves of the worth of their holdings.

HIGHLAND MILL TO BE RUNNING BY FIRST OF APRIL

The annual shareholders meeting of the Highland Mining company was held in the directors' rooms of the Arizona Central Bank last Tuesday, at which the following directors were elected for the ensuing year: C. B. Bell, J. B. Speed, John Mulligan, E. O. Baker, Dr. A. J. Will, H. L. Bergdahl, and Alexander Rose. C. B. Bell was elected president and general manager, E. O. Baker vice president, and Alexander Rose secretary and treasurer.

Messrs. Bergdahl, Baker and Will came on from Dakota and Minnesota to attend the meeting and look over the company property at Todd and Union Basins. The report of the president reviewed the work for the past year, showing the large amount of development carried on in the property and the construction of the big milling plant. This plant is to be in operation about the first of April and will handle about 100 tons of ore daily. The oil flotation process will be used in the saving of values. The mines show many thousand tons of ore in sight in the mine and much ore is broken in the stopes and on the dumps. This ore carried big values in gold, silver, copper, zinc and lead. The Golconda, owned by the corporation, has a shaft 1400 feet on the incline and thousands of feet of lateral work. This was one of the largest producers of zinc in the southwest until the destruction of the mill a few years ago, which caused cessation of operations. There is opened in this mine an enormous tonnage of good ore, the values being in gold, silver and zinc. The tunnel of the Middle Golconda, also owned by this corporation, is reaching into this territory, developing greater tonnages of ore. When these mines are in full operation the miling capacity will have to be added to. No better property is to be found in the southwest than the holdings of this

Kingman, Arizona, Friday, June 1

SURPRISED AT LARGE TONNAGE ORE OPENED

R. C. Jacobson, the well known Kingman mining engineer, returned yesterday from a trip to the Highland mines, at Todd Basin, where he looked over the new milling plant and made a trip through the mines. He reports that the mill is now about ready to turn over and that within short time it will be turning out a large tonnage of high-grade concentrates.

In looking through the mines he was surprised with the large tonnage of mill ore that has been opened. A crosscut running toward the Golconda has entered a body of ore that gave values across nearly three feet of better than 80 ounces silver to the ton. These ores also carry values in lead, zinc and copper, as well as a small amount of gold. In the crosscut that is reaching in to tap the Prosperity and Primrose veins, and which is now in between 1200 and 1300 feet a showing of stringers indicates close proximity to the main vein and it is expected that this will soon be cut. This development will be at considerable depth below the old works and it is possible from indications that one of the big ore bodies of the camp will be opened. The Prosperity had a nine foot ore body from the surface to the tunnel level that gave an average of about 220 ounces silver to the ton and many hundreds of tons were shipped to the smelter from it. At the tunnel level the ore became low in value, on account of the leaching that took place at that point, and no effort was made to ascertain or obtain better values by sinking. With the deep tunnel into the vein it is more than probable that a wonderful property will be opened up. On the other hand the ore opened in the Silver and Big Bethel veins will keep the milling plant in operation for better than a year. The plant is well supplied with water and all the ore is run into the mill direct from the tunnel. The plant is an oil flotation affair and Mr. Jacobson believes that it will save the ores to a high value.

Charles B. Bell, an old time Colorado mining man, is in charge of the company's affairs and has been getting great results from the money expended.

HIGHLAND LOADING CAR CONCENTRATES

The first car of concentrates from the Highland mill is being loaded at Mineral Station today. The big mill is running smoothly and the tables are doing excellent work. The flotation machines are being tuned up and will soon be handling a large tonnage of stuff that cannot be successfully treated on the tables.

The Highland management has been getting matters shaped up for a big production of ore and now has enough high grade mill stuff in sight and on the dumps to run the plant for several years. The company is the owner of some of the best mining property in the county, and depth is sure to bring in wonderful ore bodies. The Golconda, which some years ago was one of the largest shippers of zinc in the state, is part of the big group. The old Prosperity, another large early-day producer, is another of the mines that has great potentiality for production. The Big Bethel and Silver are the properties from which the ore for present milling purposes is being taken, but later on it is expected to get into the Prosperity and Primrose veins, where immense bodies of high grade ore may be found. Every vein in the big group ought to produce, which insures a tonnage that will keep the mill in operation for years to come and compel additional mill capacity. C. B. Bell, who has had charge of the development work and the working out of the mill plan, is to be congratulated on the successful start off of the big plant.

FAST PROGRESS AT THE HIGHLAND

R. W. Wilde paid a visit to the Highland Mining company property, in Todd Basin, yesterday and expresses himself surprised with the extent and importance of the work that has been carried on there the past year, especially with the mill and its equipment. This plant is now almost ready to go, and the management expects to have it in operation shortly. The company has one of the best and latest designed milling plants in the country, electrically driven. At the mines the ore bodies have been opened for stoping and there are thousands of tons of ore in the dumps. In looking over the mines and the big mill Mr. Wilde sees no reason why it should not be turning out an immense tonnage of high grade concentrates soon.

HIGHLAND MILL BEING OPERATED CLOSE UP TO ITS CAPACITY

A large force of men are now at work on the Highland mines, at Todd Basin and the big mill is being operated to close to capacity. The new concentrates that are being turned out by the tables and flotation are running high. Only the copper-iron ores of the mine are handled, the lead-zinc ores of the mine not being handled. The concentrates carry above \$130 in gold and silver and over 14% copper, which makes it a most desirable product for the Humboldt smelter. Later it is expected to handle the zinc and lead, as these metals are now an important product in the market.

The development of the Highland mines has been carried on during the past four or five years to a point where they can output a tonnage sufficient to supply the big mill for years to come. While it is the intention of the company to carry the crosscuts into the Prosperity and Primrose veins, there will be carried on a rather large amount of other development to prove up the whole territory. So far none of the stopes have been entered for ore, the production coming from the raises and drifts as the work is being furthered. The headings have been in ore from the tunnel level for a year past and these are still showing wonderful ore bodies and values. To those who have seen the property it is one of the most important in the state and the men at the head of affairs are jubilant over its position in the mining world.

HIGHLAND MILL NEARS COMPLETION.

KINGMAN—The mill of the Highland Mining company is fast nearing completion there being quite a number of men working on the finishing touches. This mill will have about 200 tons daily capacity and will have every known metal saving device. Charles B. Bell has had the work well in hand the past several months and now can see the end of his hard labor. The plant is one of the best built affairs in the county, every machine having concrete foundation and the buildings being an iron and concrete affair.

The Highland Mining company was organized about two years ago to take over the property of the Middle Golconda and later purchased all of the holdings of the Union Basin Mining company, which is one of the most important mining properties in the district. The Golconda mine, on of the claims of the group, produced several million dollars worth of zinc ores during its exploitation by John Boyle and later by the Amster people. It still has immense reserves of ore the values being rather high in zinc, silver and gold.

Tucson Oct. 31
OFFICER EXONERATED

The Highland Mining Company Chloride, has begun shipments of concentrates from Mineral Station. The management has been getting matters shaped up for a big production and is reported to have enough ore in sight and on the dumps to run the mill for several years. C. B. Bell has charge of development work and operation of the mill.

MoHAVE Mine
June 15, 23

THE MOHAVE COUNTY MINI

HIGHLAND MINING COMPANY OPENS UP NEW ORE BODIES

We understand that a fine body of ore is being opened up in the Primrose mine by the Highland Mining company. This ore was reached in the long tunnel that has been driven in through the Big Bethel and Silver claims, reaching the Prosperity and other veins of the group. The company has a carload of ore on the road to the smelter from this new ore body and expects to send more as the work on the drift progresses. A fine body of ore has also been entered on the Prosperity, which at one time was an important shipper of high grade silver-gold ore. The ore was taken from the surface, where it appeared as chloride and free gold.

The development of ore bodies in these two veins, which have been entered at a depth of several hundred feet, is important to that part of the Wallapai district. The company is the owner of a large group of mining claims, the principal one of which is the Golconda. Every vein in the big group has been a producer, and with greater development there should be opened some of the most important producers of milling ore in the county. The development of these mines through this long tunnel ought to not only bring in big ore in the veins already entered, but should also reach into some of the veins higher up the mountain, where important ore has been found in superficial shafts and tunnels. One of these veins is the Blackfoot, which shipped many carloads of very rich gold-silver-copper ores years ago. This vein is quite large, although the pay streak only was mined.

With the production of the Highland properties carried into the old

strangers."
"Yes, I have, but I don't lend it to
tone, came the answer:
few seconds, and then in a dignified
The small boy looked at her for a
chief?" she demanded.
"Boy, have you got a handker-
lad.
hear it no longer, and turned to the
noyng manner. At last the lady could
car kept on sniffling in a most an-
to a very haughty lady in a crowded
next

HIGHLAND M. & M. COMPANY HOLDS ANNUAL MEETING

Arizona
The annual meeting of the stockholders of the Highland Mining company was held last Tuesday in the directors' room of the Arizona Central Bank, and discussed the affairs of the company, as well as electing the old board of directors for the ensuing year. After the meeting the shareholders, who came in from Wisconsin and Minnesota for the meeting, visited the mines Wednesday and yesterday and looked into the various properties. The men are well pleased with the condition of the mines and it is the impression that within the next few months the company affairs will be getting in inviting shape. Shipments of concentrates are going forward weekly to the smelters, these cars netting something over \$4,000 per car.

1-12-23
There is no doubt that the Highland estate is one of the best in the country and that with deeper development they will require a mill of double the capacity of the present plant.

ENGINEER EXAMINES HIGHLAND FOR MIDDLE WEST SHAREHOLDERS

M. W. Bolles, of Flandreau, South Dakota, a well known mining engineer, has been making an examination of the property of the Highland Mining company, for the purpose of reporting to the heavy shareholders in Minnesota, the Dakotas and other sections of the northern middle west. Bolles will soon have his examination complete, and it is to be hoped that it will be of such a nature that the men at the back of the company will come through with a sufficient treasury to put the property on a pay basis. We believe it has the potentiality to make good in th eproduction of the various metals.

In its reminiscences

Arizona 6-24-23

HIGHLAND PROPERTY LITIGATION MAY BE SOON UNTANGLED

This week the Southwest Metals company, known locally as the Humboldt smelter, is advertising for sale the property of the Highland Mining and Milling company, owner of valuable mines in the Todd Basin section.

The bondholders of this company are also foreclosing their mortgage on the same property and soon we expect the whole matter to be clarified, from which will be wrought a new corporation to take over and pay off all indebtedness and then go on with a campaign of mine development that will give the mill a large tonnage of excellent ore.

The court proceedings will bring all the conflicting interests to an issue and make possible the future financing of the mines. The estate of the company is the best in the county, to our way of thinking. It has the old Golconda, which is reputed to have enough ore in sight to keep the present capacity mill in operation for more than a year and on ore that will pay big. The ore in this mine is heavy zinc, carrying values in gold and silver. The ore body is 1200 feet in length, and the ore as it is broken down carries values of about 45% zinc. The shaft is about in the center of the ore body. Lying alongside of the Golconda vein is the Tubb, which is 50 feet between walls, great masses of ore carrying fairly good values. The Prosperity, Blackfoot and other claims in the group have produced wonderfully rich ore. From the grassroots down the Prosperity had splendid ore, the main body being nine foot of ore that averaged 220 ounces silver and some gold to the ton. The Primrose has good ore, and the Blackfoot shipped hundreds of tons ore that carried values in excess of \$125 gold and 15% copper. The many veins are large and show ore values practically all over them and wherever opened.

With the proper financing of the company treasury and proper mining methods we look for this property to be in high production within a few months after the settlement of litigation.

SHERIFF'S SALE.

Notice of Sale of Real Estate Under Execution.

Southwest Metals Company,
a Corporation, Plaintiff.

vs.

Highland Mining & Milling
Company, and C. B. Bell,
Defendant.

No. 2244.

By virtue of an execution issued out of the Superior Court of the County of Mohave, State of Arizona, wherein Southwest Metals Company, a corporation, plaintiff, and Highlands Mining & Milling Company, and C. B. Bell, defendant, upon a judgment rendered the 4th day of December, A. D. 1923, for the sum of Six Thousand Five Hundred Seventeen 77-100 Dollars, besides cost and interest, I have this day levied upon all the right, title, claim, and interest of said defendant, Highland Mining & Milling Company and C. B. Bell, of, in and to the following described real estate, to-wit:

Tubb, Virginia, Golconda and Prosperity, patented lode mining claims, patents therefor being of record in the office of the County Recorder of said Mohave County.

Little Jimmy, Moscoe, Black Metal, Copper King, Black Foot, Fraction, Gold Reserve, Montreal, Oro Fino, Niwot, Green Linnet, Nest and side Issue, unpatented lode mining claims, the location notices whereof are of record in the office of the County Recorder of said Mohave County, in book "DD" of mining records, at page 793, and in book "SS", of mining records at pages 488, 503, 494, 484, 493, 485, 483, 486, 488, 490 and 503 respectively, and

Highland, Stone Cabin, Gold King and Layne, unpatented lode mining claims, location notice of which are of record in the office of the County Recorder of said Mohave County, in book "WW", at page 623, and book "HH" at page 138, book "W" at page 247, and book "W" at page 238, respectively, of mining records; and

Silver and Big Bethel, patented lode mining claims, patents thereto are of record in the office of the recorder of said Mohave County, in book 22 of deeds, at pages 494-497; and

King Fraction, unpatented lode mining claim, the location notice of which is recorded in book "LL" of mining records at page 139, in the office of the Recorder of said Mohave County.

Together with all mills, and milling machinery, buildings, fixtures, and all improvements whatsoever located in or upon said mining claims or appertaining thereto, including any and all mill sites belonging to or used in connection with any of the above described mining claims.

Public Notice is hereby given that I will, on Saturday, the 26th day of January, A. D., 1924, at 10 o'clock a. m. of said day, in front of the Court house door of the County of Mohave, sell at public auction, for United States gold coin, all the right, title claim and interest of said defendant Highland Mining and Milling Company and C. B. Bell of, in and to the above described property, or so much thereof as may be necessary to raise sufficient money to satisfy said judgement, with interest and costs, etc., to the highest and best bidder.

Dated December 31st, 1923.

W. P. MAHONEY,
Sheriff

First insertion Jan. 4.

Last insertion Jan. 25.

SHIPMENT OF ZINC CONCENTRATES FROM HIGHLAND TO SAMPLER

The Highland Mining company, last week, shipped to F. M. Manson at the local sampler a carload of concentrates from the mill. This was a product of the mines that had been operated by the company prior to its shutting down, and indicate what might be done in the handling of the real ore bodies of the mines in a big way. The company is the owner of the Golconda, Tubb, Blackfoot, Prosperity and a number of other claims, everyone of which is potential ore bearers. The Golconda is one of the most important veins in the state as a bearer of zinc and the other veins carry values in gold, silver, copper, lead and zinc. The Tubb vein is the largest of the group, being 75 feet between walls, the whole vein mass carrying zinc and other values. Thousands of tons of ore was shipped from the property in the early days, the surface ores carrying gold and silver values. The surface ores of the Golconda carried good silver values until the sulphide zone was reached.

It is understood that the Highland company is being reorganized and that within a short time funds will be available for the improvement of the mill and the starting up of the mines.

Notice has been given by the sheriff of Mohave county that on January 26 the property and assets of the Highland Mining and Milling Company will be sold at public auction in order to satisfy a judgment rendered against that company for \$6,517 in favor of the Southwest Metals Company. Besides several unpatented claims, this company holds patents on the Golconda, Big Bethel, Virginia, Silver and Prosperity, etc., claims. Charles B. Bell

Photo
1-10-24

has been president and general manager of the company.

SHERIFF'S SALE

Notice of Sale Under Special Execution.

Notice is hereby given that by virtue of a special execution and order of sale issued out of the Superior Court of Mohave County, State of Arizona, in a cause therein pending, wherein Alexander Rose is plaintiff, and Highland Mining & Milling Company, a corporation, Southwest Metals Company, a corporation, Central Commercial Company, a corporation, I. M. George, and C. J. Walters, are defendants, being cause No. 2285, upon a Judgment rendered on the 20th day of February, 1923, in favor of said plaintiff, and against said Highland Mining & Milling Company, a corporation, for the sum of \$200,000.00, together with interest thereon at the rate of Six Per Cent. per annum from September 15th, 1919, until paid, and for the further sum of \$12,050.00 attorneys' fees, and the further sum of \$44.20, plaintiff's costs and disbursements, together with the foreclosure of the Trust Deed and Mortgage, as same existed on September 15th, 1919, in favor of C. J. Walters, as Trustee, as security for the payment of the First Mortgage Six Per Cent. Gold Coupon Bonds of said Highland Mining & Milling Company, a corporation, bearing said date, as set forth and described in said Trust Deed of record in the office of the County Recorder of Mohave County, Arizona, in Book 5 of Mortgages, pages 264-273, and together with all after acquired property of said defendant Highland Mining & Milling Company, a corporation, subject to the prior liens of Southwest Metals Company, a corporation, Central Commercial Company, a corporation, and I. M. George, I have this day levied upon the following described property, to-wit:

All those certain lode mines and mining claims situate in the Wallapai Mining District, in the County of Mohave, State of Arizona, described as follows:

TUB, VIRGINIA, GOLCONDA and PROSPERITY, all of which mining claims are patented, and the patents of all of which are recorded in the office of the County Recorder of Mohave County, aforesaid:

LITTLE JIMMY, patent for which has been applied for

And the following unpatented lode mining claims, the amended location notices whereof are recorded in Book SS of Mines, in the office of the County Recorder of said Mohave County, at the pages set opposite the names of the claims, to-wit:

Name of Claim	Page of Record
MOSCOE	448-9
BLACK METAL	503-4
COPPER KING	494-
BLACK FOOT	484-5
FRACTION	493
GOLD RESERVE	485-6
MONTREAL	483-4
ORO FINO	486-7
NIWOT	488-9
GREEN LINNET	492-3
NEST	490-1
SIDE ISSUE	503

Also the following lode mining claims, the location notices of which are recorded in the office of the Recorder of Mohave County, Arizona, as follows:

Name of Claim	Book	Page of Record
HIGHLAND	WW	623
LONE CABIN	HH	138
GOLD KING	W	247
LAYNE	W	238

To all of which above mentioned records reference is hereby made for a more particular description of said claims.

KING FRACTION lode mining claim, which is situate in WALLAPAI Mining District, Notice of Location recorded in Book LL of Mining

Ship Machinery To The Coast

The machinery is being torn out of the old Highland Mining company mill, at Todd Basin, and shipped to Los Angeles by the Thompson-Dudley Machinery company. A large part of this plant finds a ready sale in the Angel City. The plant originally did not do the work required for it along the lines of the handling of complex ores, although it should readily handle less base material. A carload of the machinery is now ready to go forward today.

Knigman, Mar. 28/24
PAGE ELEVEN

Mr. Geo. H. Westcott -2-

In December it was reported that all machinery purchased was on the ground, and a large part had been installed. A March clipping states that Mr. C. B. Bell, the General Manager of the Company, had just gone to San Francisco on business. He stated that on his return he expected to get the big mill on the Company's property in shape to put in commission.

Another March clipping reports that a third group of stockholders had visited the property and that a milling plant of 200 tons daily capacity was almost ready to go into commission. An April clipping states that Mr. Bell had returned, that the new compressor is in place, and that work on driving the big cross cut tunnel would be begun at once. This clipping repeats the statement that the new mill will soon be operated.

Newspaper information, on the whole, is not always reliable, and I am very sorry that we cannot supply anything more definite. If, however, the newspaper information submitted should prove reliable, I should judge that the property has merit and that it is being actively developed at present.

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

Very truly yours,

Metallurgist.

Nov. 10, 1920.

Mr. Geo. H. Westcott,
Sioux Falls, South Dakota.

My dear Mr. Westcott:

I beg to acknowledge receipt of your inquiry of Nov. 5.

No member of the Bureau of Mines staff has ever visited the property of the Highland Mining Company, and all our information concerning it takes the form of newspaper clippings, which include a description of the property that appeared in a Kingman paper last July, and the Articles of Incorporation. From these sources I extract the following data:

The estate taken over by this Company comprised the property of the Union Basin Mining Company, the Middle Golconda Mining Company, and the properties of Frank and William O'Dea. Practically all these properties have been patented. The corporation was organized last April by C.B. Bell, Alexander Rose, and L.R. Myers, the two latter gentlemen being residents of Milwaukee. Several of the claims were early shippers of rich ore. The Mexican claim is said to have produced several thousands of dollars in gold as well as in silver. The Prosperity claim is said to have a nine-foot vein that averaged 220 ounces of silver to the ton by the carload. The Primrose claim is also said to have had rich silver ore in its superficial workings, and the Golconda produced a large tonnage of oxidized silver ore many years ago, which was milled in the Empire mill in Todd Basin; this mill having been built to handle the ore from this property. A shaft was sunk to a depth of approximately 1400 feet between two shoots of zinc ore that are said to have been very rich. The shoots are said to have had a length of more than 1200 feet, and to have yielded between 10,000,000 and 17,000,000 pounds of zinc and thousands of dollars in gold and silver. Very little ore is said to have been extracted below the 1000 ft. level where fully 100,000 tons of ore have been opened. A good deal of other information is given in the Kingman paper concerning other ore bodies owned by the Company.

Clippings dated July stated that a big tunnel to cut several known ore bodies at depth was about to be started. In August a group of stockholders visited the property, and are reported to have been well pleased with the property and its management. In September it was stated that a great deal of machinery, including compressors, drills, motors, and steel had been purchased. A hoist had been installed on the Golconda claim, and it was planned to put a large force of men at work in the near future. According to another September clipping the first carload of machinery had arrived. A large group of prospective stockholders visited the property in October, and expressed themselves as well pleased with what they saw.

LEGAL NOTICES

Buildings, business concerns and undertakings, mortgages, shares, stocks, debentures, securities, concessions, policies, book debts and claims, and any interest in real and personal property, and any claim against such property, or against any person or corporation, and to carry on any business, concern or undertaking so acquired; to acquire, own, hold, sell, lease, dispose of or otherwise deal in or with any and all kinds of inventions, rights, licenses, patent rights, processes and letters patent.

6. To enter into, make, perform and carry out contracts of every kind, for any lawful purpose, without limit as to amount with any person, firm, association or corporation.

7. To draw, make, accept, endorse, discount, execute and issue promissory notes, bills of exchange, warrants and other negotiable or transferable instruments.

8. To borrow money and to issue bonds, debentures, or other obligations of this corporation from time to time, for any of the objects or purposes of the corporation, and to secure the same by mortgage, pledge, deed of trust or otherwise.

9. To purchase, hold, and re-issue the shares of its capital stock.

10. The foregoing clauses shall be construed both as objects and powers, and it is hereby expressly provided that the foregoing enumeration of specific powers shall not be held to limit, or restrict in any manner the powers of this corporation.

11. In general, to carry on any other business in connection with the foregoing, whether manufacturing or otherwise, and in general to have and exercise with respect to all things all powers, privileges and immunities conferred upon corporations of this class by the laws of the State of Arizona.

ARTICLE FOUR: The amount of the capital stock of this corporation shall be one million dollars (\$1,000,000), divided into one million shares of the par value of one dollar (\$1.00) per share, and the same when issued shall be forever fully paid and non-assessable. Said stock shall be issued at such time or times and upon such terms and conditions as may be provided by the Board of Directors, and same may be exchanged for mines, mining claims, or for any other property, real or personal, or for benefits accruing, or for services rendered to the corporation, in any manner or form whatever, as the Board of Directors may determine, and in the absence of actual fraud in the transaction such determination of the Board of Directors shall be final.

ARTICLE FIVE: The time of commencement of this corporation shall be the day upon which a certified copy of these Articles of Incorporation from the Arizona Corporation Commission are recorded in the office of the Recorder of Mohave County, Arizona, and the termination thereof shall be twenty-five years thereafter, with privilege of renewal as provided by law.

ARTICLE SIX: The management and control of the business, property and affairs of this corporation shall consist of a Board of not less than three nor more than eleven directors, who shall be elected from among the Stockholders of record at the regular meeting of the Stockholders, which annual meeting shall be held on the second Tuesday in January of each year, and said Directors so elected shall hold office for one year, or until their successors are elected and qualified, any vacancy which may occur in such Board of Directors, whether caused by death, resignation, or other wise, shall be filled by election by the remaining members of the said Board of Directors from among the stockholders of record. Said Board of Directors shall have the power to establish by-laws and make all rules and regulations necessary for the conduct and management of the affairs of the corporation, not inconsistent with law or these articles of incorporation. Until the first annual meeting of the stockholders the following shall constitute the Board of Directors necessary to transact business as a quorum, C. B. Bell, Alexander Rose and L. R. Myers, and said Board shall have power to select from among the stockholders of record at any regular or special meeting of the Board of Directors by election, additional directors not exceeding the number of directors provided by these articles, who shall hold their office until the regular annual meeting of the stockholders.

ARTICLE SEVEN: The officers of this corporation shall consist of a President, a Vice-President, Secretary and Treasurer, both of which last named offices may be held by the same person, together with such other officer or officers as the Board of Directors may from time to time determine. The first Board of Directors, when selected, shall elect the officers of the corporation, and the President and Vice-President shall be from among their own number. The officers so elected shall hold office until the annual meeting of the Board of Directors, which shall be held as soon as practicable following the Annual Stockholders Meeting and shall thereafter be selected at said annual meeting of the Board of Directors and shall hold office for one year, or until their successors are elected and qualified.

ARTICLE EIGHT: The highest amount of indebtedness or liability, direct or contingent, to which this corporation shall at any time subject itself, is the sum of Five Hundred Thousand Dollars, (\$500,000.00).

ARTICLE NINE: The private property of the incorporators, stockholders and directors of this corporation shall be exempt from any and all liabilities for the corporate debts of any kind whatsoever.

STATE OF ARIZONA
Office of the
ARIZONA CORPORATION COMMISSION

UNITED STATES OF AMERICA,
State of Arizona—ss.
The Arizona Corporation Commission does hereby certify that the annexed is a true and complete transcript of the

ARTICLES OF INCORPORATION
OF
HIGHLAND MINING AND MILLING COMPANY

which were filed in the office of said Arizona Corporation Commission on the 10th day of April A. D. 1919, at 10:00 o'clock a. m., as provided by law.

In Testimony Whereof, The Arizona Corporation Commission by its Chairman, has hereunto set its hand and affixed its Official Seal Done at the City of Phoenix, the Capitol, this 10th day of April A. D. 1919.

ARIZONA CORPORATION COMMISSION
Attest: AMOS A. BETTS, Chairman.
A. E. STELZER, Secretary.

ARTICLES OF INCORPORATION
of the
HIGHLAND MINING AND MILLING COMPANY

Know All Men By These Presents: That we the undersigned have this day associated ourselves together for the purpose of forming a corporation under the laws of the State of Arizona and for that purpose do hereby adopt, execute, acknowledge and publish the following Articles of Incorporation.

ARTICLE ONE: The name of the corporation shall be HIGHLAND MINING AND MILLING COMPANY.

ARTICLE TWO: The names and post-office addresses of the incorporators are C. B. Bell, Chloride, Arizona, Alexander Rose, Minneapolis, Minnesota and L. R. Myers, Minneapolis, Minnesota. The principal place of business of the corporation within the State shall be Kingman, Arizona, but other offices may be established and maintained within or outside the State of Arizona, at such places as the Board of Directors may designate where meetings of the stockholders and directors may be held.

ARTICLE THREE: The general nature of the business proposed to be transacted and carried on by this corporation is that of mining, milling, smelting, ore reduction and treating in all its related branches, and to do any and all things herein mentioned as fully and to the same extent as natural persons might or could do, in any part of the world, and to do any and every act and thing and engage in any and every business, which may be, by its Board

Kingman
5/15/20
PAGE SIX
MINI
HIGHLAND M
AND MILLING CO.
TUNNEL 900 FEET

C. B. Bell, general manager of Highland Mining company, was Kingman visitor yesterday, come here to look after important business affairs. He reports that the low tunnel of the Highland is now in nearly 900 feet and recently encountered what is known as the Oro Plata vein. This vein is now being drifted on a splendid ore is opening up. The prospect will be continued to the Prosperity and Primrose veins, where it is expected to encounter great bodies of ore. The Prosperity was one of the big producers in the early days, but the encountering of the lean zone and the water level discouraged the

BOSTON MEN VISIT THE GOLDEN HAMMER

11-7-22
Kinnaman
C. O. Ellingwood and F. W. Bernard of Boston, arrived in Kingman Monday last and went out to Mineral Park, where they looked over the Golden Hammer group of mines. Mr. Ellingwood has been a frequent visitor to this county, but this is the first time Mr. Bernard has looked over our mines. That the two gentlemen were pleased with conditions here is evidenced by the statement that they will at once put a force of men to work on the properties they have secured.

The Golden Hammer mine was optioned by Mr. and Mrs. John Kay and their son Lyon to Mr. Ellingwood and under his control a tunnel was driven 100 feet in on the vein. The property is now equipped with a hoisting plant and 10x9 compressor. This shaft was sunk to the tunnel level, a distance of 45 feet and is now to be carried to a depth of 500 feet, the exploration of the veins at depth to be carried on with all possible dispatch. The ore carries values in gold, silver, lead and copper, copper predominating.

The gentlemen left for Los Angeles Tuesday evening and expect to return soon to start the contemplated development. The Kay family were in Kingman to meet the gentlemen and entered into a further agreement regarding the handling of the property.

ANOTHER PAYMENT ON GOLDEN HAMMER

Mr. and Mrs. John Kay and son Lyon were over from Mineral Park this week and received another payment on the purchase price of the Golden Hammer mines. It is now understood that arrangements have been made for the starting of work on the mines after the first of January. These mines are situated in the big mineral belt at Mineral Park and have been producers of rich gold, silver and copper ores. The claims have been opened by tunnel and drifts and show excellent ore in place.

It is the understanding that a big plant will be put on the mines and that sinking will be carried to a depth of at least 500 feet and laterals run off through the ore bodies. The impression is that the mine will develop into one of the good things of the county under intensive operation. The men at the head of affairs are live wires and are sure to bring the property into production as fast as men and machinery can do the trick.

Kinnaman

11-11-22

START OPERATIONS ON GOLDEN HAMMER

Charles Metcalfe and associates have begun active development of the Golden Hammer group of claims, near the Katherine. These claims show lead ore that carries exceptionally good values in gold, the outcrop being very promising. About six months ago a shipment of the ore was made to the Selby smelter that gave a good return. If the ground proves up as the present work predicates it will be one of the important producers of the district.

Kinnaman
11-11-22

IMPORTANT FIND ON GOLD HAMMER

Strike on Arizona Property Shows Values in Gold, Silver, Zinc and Lead. Mine Owned by Wealthy Pittsburgh Clique.

Chandler, Ariz., March 26.—A strike of considerable importance was made recently on the Golden Hammer property in Mineral Park. This property is now being worked under the direction of Professor F. C. Smith, having been sold to a company which is being organized by a wealthy Pittsburgh clique.

Ore was encountered in continuing the 400-foot tunnel which assayed \$7.20 gold, 32 ounces silver, 10 per cent zinc and 6.4 per cent lead. The tunnel had previously proven an ore shoot 200 feet long, but with low gold and silver values, zinc being the dominating metal. In addition to the ore in this recent strike, a copper streak has also appeared in the tunnel that shows considerable black oxides. The Golden Hammer and Golden Copper claims, which were taken over in the deal, endline the Metallic Accident, which has long been known as one of the best copper properties in the district.

This group adjoins the George Washington copper property, another mine which is developing rich copper ore, on the southwest side line. Just below the Golden Hammer lies the Keystone mine. The location of the property, together with its showings both on the surface and in the tunnel make it one of the most attractive developing propositions in the Mineral Park section. Lion Kay, the former owner of the property, was represented in the sale by the Copley Williams Brokerage company. W. B. Twitchell of Phoenix represented the purchasers.

As soon as the formation of the new company is completed, an extensive development campaign will be inaugurated. In the meantime the tunnel is being driven in to encounter a large body of ore strongly indicated on the surface a short distance ahead.

MAR 21 1917

GOLDEN HAMMER TO OBTAIN EQUIPMENT FROM THE GOLD STAR

10-1-17
The Mineral Development Company, operating the Golden Hammer and other claims in Mineral Park, has commissioned F. W. Jacques to attend to the removal of the gallows-frame and the entire surface equipment recently purchased from the Arizona Gold Star at Oatman. The plant includes a 40-horsepower gas engine, 9x8 compressor, machine drills and tools of every description.

The company's development plans consist of commencement of sinking operations after the installation of the new machinery, and to continue this work without cessation to the 200-foot point. The shaft will be sunk on one of the principal ore-shoots in the vein, as exposed in the old tunnel.

The Golden Hammer has long been considered one of the finest prospects in the Mineral Park district and everyone is glad to know that the operating company has been well fortified financially to perform the work necessary to open up the ore more fully.

Chandler
The company recently took over three claims, the extensions of the Golden Hammer.

GOLDEN HAMMER ORE ATTRACTS ATTENTION

NOV 6 - 1917
Ore from the Golden Hammer for exhibit in the Chloride ores display at the Arizona State Fair at Phoenix, has been on exhibition in front of the Chloride Mercantile Company for several days and has attracted more than ordinary interest on account of its high metallic content. The ore was taken from the shaft just above the tunnel level.

Shaft sinking will begin in earnest next week, when two shifts will be put to work.

\$100 ORE IS FOUND ON THE GOLDEN HAMMER

OCT 29 1917
The Golden Hammer gallows-frame has been erected and the hoist is running. Work of sinking the shaft as far as the tunnel level has just been completed and better ore than ever found in the mine was that just above the tunnel level, some of it running as high as \$100 per ton.

The Golden Hammer has one of the most complete plants in the district. The non-completion of one or two buildings is holding back the placing of two shifts of men at work sinking the shaft deeper, but it is thought everything will be in readiness for this by the first of the coming month.

MINES IN THE CHLORIDE DISTRICT GETTING BUSY

Messrs. Davidson, Jagerson, Dodd, and Prof. Smith, motored to Mineral Park Sunday, where Prof. Smith is operating the Golden Hammer. This mine consists of three full claims and two fractions, totaling eighty acres of ground. This property adjoins the south.

The main vein can be easily traced across the entire length of the Hidden Treasure property on the Golden Hammer, and it is thought to be a continuation of the Hidden Treasure vein. In the 600-foot tunnel on the Golden Hammer the vein is exposed the full length, and varies in width from 18 inches to 16 feet, and very high-grade ore is encountered at almost any point on the drift. At a distance of about one hundred feet from the portal of the tunnel, an old raise was driven on the vein to the surface. The company is sinking a large double-compartment working shaft at this point, and are using the old raise as a chute, and are in this manner disposing of the muck taken out of the shaft, and enabling them to keep on with their development work, as well as installation of the new machinery, which they are pushing with all possible speed. The foundations are all laid for the compressor, and the 25-H. P. White gas engine and hoist, which is located 62 feet from the shaft, in a finely-equipped engine-room, with the dimensions of 26x38 feet. Adjoining this engine-room is the blacksmith shop, fully equipped, 14x18 feet. The gallows frame is 30 feet in height, built of 8x8 timber over the shaft now down 20 feet, which will strike the tunnel level with 40 feet more.

This company has also built a good wagon road from the Keystone mine, a distance of about one-half mile and of very heavy mountain grade.

The machinery and timber was placed on the ground by the Brawn-Robinson Transportation Co. of Kingman, and the management is loud in their praise of the way the job was handled, as every piece was landed at the mine without a scratch or blemish of any kind.

The Keystone mill, consisting of a Blake crusher, 9x15; a Colorado Iron Works 5x6 feet Ball mill; a 54-inch Aiken classifier, 10 roughing flotation cells, and 3 cleaning cells, of the Hoover patent; a 24-foot Door thickener, settling tanks and drying bins, is operating perfectly, making an extraction far beyond the expectations of the owners, and is turning out a concentrate averaging 100 ounces in silver, \$7.50 gold, and 6 per cent copper, reducing the ore sixteen to one.

Charles Sherman states that he is not using over 125 gallons of water to the ton or ore with this process, which will enable him to run to capacity from the water extracted from the mine. Mr. Sherman will put on another shift in the mill in a few days, which will enable him to run from 50 to 75 tons of ore every twenty-four

PUBLIC NOTICE

Notice is hereby given that the Golden Hammer group of mines, situated at Mineral Park, is now clear of options and that the property is open for negotiation. Application should be made to

LYON N. KAY,
Chloride, Arizona.

JUN 21 1910

GOLDEN HAMMER PROPERTY IS SOLD

Last week J. O. Elliott sold to J. G. Keseler, Charles Metcalfe, Ansel Taylor and Charles Maddox his group of claims known as the Golden Hammer, consisting of six claims. The mining property is situated about one mile north of the Catherine, over in the Union Pass section, and about one-half mile from the Colorado river. The main vein shows a two foot ore body that carries a large percentage of lead, some gold and silver. The ore outcrops 500 feet on the vein and invariably carries its rich lead content. Sixteen sacks have been sent to the smelter for the purpose of getting a line on its shipping value.

Only a small amount of work has been done on the claims, but the purchasers are of the opinion that they will be able to open a large shipper of this rich lead. Samples of the ore exhibited by Mr. Keseler show lead values better than 60%.

hours, and expects to start work in the mine about the first of November, and then put the third shift on in the mill.

The ore in the mine is of a much higher grade than the ore that is being run through the mill at present from the old dumps, and with a steady supply of high-grade ore from the mine, being treated with the mill which is making a perfect extraction, the Keystone mine should soon come into its own.

The New Mohawk has installed a new 35-H. P. hoist on shaft No. 2, where they have encountered a very large vein of high-grade silver ore.

The Schuylkill has started shipping ore, and contemplate shipping about 50 tons per week for the present, and to build a mill in the near future. This mine is down 600 feet with their shaft, and have drifted both ways on the 400 level, as well as the 800 level, and has a large body of ore blocked out.

The Schenectady mine is drifting on the vein on the 200-foot level, and report striking very good ore

in both drifts. H. L. Smith, manager of the mine, expects to strike the intersection of two large veins, within a few feet in the west drift. The hand jig he is operating at the mine is giving a very satisfactory return, and gives a fair idea of what can be done.

KINGMAN COPPER CO. (Mineral Park)—Upon arrival of the larger drilling rig, an attempt was made to deepen a 300-ft. hole drilled with the lighter outfit, but it was found that the hole had been filled with scrap iron for 60 or 70 ft. A new hole was started near the plugged hole, and has now reached a depth of 350 ft. Some copper ore has already been encountered.

KINGMAN COPPER CO. (Mineral Park)—This company recently purchased a new standard drill rig on account of the difficulty it experienced in drilling to depth with the old rig. The new rig has been put in operation on the claims at Ithaca Peak and an effort will be made to drill to a depth below the 800-ft. level. At present, the first hole is down about 100 ft. and copper-bearing quartz has been penetrated.

Mohave Miner: The drilling rig of the Kingman Copper company was put in commission yesterday on the claims at Ithaca peak and it is expected the deep hole will reveal something good. The whole country in the lower part of Mineral Park basin shows copper and it is expected that drilling will prove the ground to be rich in the red metal. Competent drillers will handle the big rig and careful effort will be made to get below the 800 level. Should copper in quantity be opened in that section Mohave county will soon become one of the big copper producers of the state, as many other sections show copper in pay quantities, only awaiting the advent of big operators to bring about the best results.

The Kingman Mining and Milling company has discontinued the work of drilling at Mineral Park and is now driving along the fault plane on one of the big veins on the ridge south of the town. Much good copper ore has been opened in this drift and indications are that further work will open a large body.

Mohave County

KINGMAN COPPER CO.—The drilling rig which is to prospect for copper ore is on the ground and the first hole will be sunk on the Superior claim which is held under option from the Southwest Turquoise Co. The wagon road to the eastern slope of Ithaca Peak has been repaired.

KINGMAN COPPER MINING & MILLING CO.—The drilling of the first hole for this property at Mineral Park is in progress and a depth of 160 ft. has been reached. Some sulphides have been encountered although mainly pyrite. W. W. Gates and Walter Brown have a contract for 5000 ft. of drilling, the maximum depth of the holes to be determined by the company and not to be over 500 ft. It is expected that another drilling rig will soon be on the ground.

Mohave County

KINGMAN COPPER CO.—It is reported that this company will continue the prospecting of the copper claims in Mineral Park, at greater depth and that it has brought in two new drills for that purpose. The old drill has proved considerable ore at light depths.

The first drill-hole of the Kingman Copper Mining & Milling Co. was finished last week at about 500 ft. depth. Assays gave satisfactory copper content. The Copper Giant shaft is down 250 ft., and drifts have opened 9 and 7 ft. of ore, respectively, carrying 8% copper and some gold.

YAVAPAI COUNTY

LONE STAR MINE VISITED THIS WEEK BY ITS DISCOVERER

4-30-26 Kingman
W. F. Grounds last week looked over the old Lone Star mine, at Mineral Park, which property was discovered in the early seventies by himself. From this property he took a large amount of gold and silver ore, much of which was shipped to the smelteries in Wales, the shipments being hauled by teams to the Colorado river at Hardyville, loaded on the flat bottomed river boats and carried to Port Isabelle, Sonora, where they were lightered out to sea-going vessels and taken to San Francisco later being transhipped around the horn to Wales. Although great expense was piled up against a shipment of ore, all the ores sent from this county made big returns.

Mr. Grounds finally sold the claims to a mining company, and this company erected a mill at Mineral Park, but it was not properly designed to meet conditions of the ores. All the company holdings were patented with the exception of the Lone Star, although it was believed that this mine had been included, and later it was relocated and held by others, O. D. M. Gaddis and others finally patenting it.

Good Assays Found in Ore at Lone Star

Tom McNeely and his son have been working on the old Lone Star mine, at Mineral Park, driving an adit drift on the vein and is now is ore that assays quite well.

The Lone Star was one of the first mines located in the basin, with that of the Keystone, in the early seventies, when the rush came on from Pioche and other sections of the country. The shaft produced a large tonnage of ore, much of which was shipped to San Francisco and later went over to Swansea, Wales, where it was smelted.

The other tonnages were milled in the old mill at Mineral Park, now owned by Miss Nina Uncapher the machinery of which is not so good as it was in the years gone by, but which is still capable of doing good work along lines of the usual chlorination process and pan amalgamation.

Mohave Register

11/8/33

ARIZONA

8-16-19

Kingman.—The Home Pastime mine at Mineral Park recently shipped a carload of high-grade ore to the smelter. A hoist is being installed at the main shaft and a large pump has been put in to unwater the mine. The old shaft is 300 ft. deep, but development for the present will be carried on at the 150-ft. level.

Kingman.—The Home Pastime mine at Mineral Park recently shipped a carload of high-grade ore to the smelter. A hoist is being installed at the main shaft and a large pump has been put in to unwater the mine. The old shaft is 300 ft. deep, but development for the present will be carried on at the 150-ft. level. Owing to the present market price of copper it is understood that the Emerald Isle Copper Co. will resume operations immediately. This company has a fair tonnage of oxidized copper ore developed, and recently installed a small leaching and electrolytic plant capable of turning out a ton of copper per day.

9-16-19

HOME PASTIME MINE SHIPPING RICH ORE

2-16-18

J. W. Prisk, who has been operating the Home Pastime mine at Mineral Park the past several months, has a carload of rich ore ready for shipment to the smelter. The mine had been idle some time, owing to water in the lower level, but Mr. Prisk extracted the ore from above the water level. He will probably extend the workings to a point where he can get into the old shaft and then open up the ore body.

At one time the Home Pastime was under option to people who sank a shaft to a depth of about 200 feet, but failed to get the ledge in the crosscut and surrendered their contract. It is now probable that a shaft will be carried down on the ore and the mine opened in the proper manner. Among leasers and miners who map out a campaign of their own the ore body is usually stayed with, and when it is necessary to sink a straight shaft to expedite the extraction of the ore it can readily be done. But we believe that to follow the ore body is the only way until the ore is well located and then if fancy mining is desired it can be done.

HOME PASTIME SHIPS A CARLOAD OF ORE

Inshore mine

J. W. Prisk, who has been operating the Home Pastime mine, at Mineral Park, the past several months, has just shipped a carload of ore to the smelter. The ore is rich in silver and carries a small amount of gold. The ore was taken from the upper levels, where a large tonnage of ore was found in the early days. The Home Pastime is really one of the best properties in the Mineral Park section and ought to be turning out a considerable tonnage monthly. The winze should be carried down on the ore body and faulting traced out. The vein system indicates great possibilities for the property if proper development is carried on.

the 80-ft. level of the Home Pastime mine at Mineral Park has opened a body of ore. Preparations for the first carload shipment are being made.

Kingman

SATURDAY, DECEMBER 4, 1920.

—Edited By—
N H. SMITH

PRISK SHIPS CAR- LOAD OF HIGHGRADE

Last week Friday J. W. Prisk shipped from the Home Pastime mine, at Mineral Park, a carload of high grade gold-silver ore. Mr. Prisk is now sole owner of the property and expects to start up greater development of the mine from the 300 level. The former operators of the mine failed to get into the vein on the 300 level, but as the vein has been opened on the level above and the fault traced out there is no question of opening it at the deepest point.

The Home Pastime mine is one of the most important properties of the Mineral Park section and with greater exploration along deeper levels should be a steady producer of high grade silver ore. Mr. Prisk has owned a large part of the property for years past and has shipped many thousands of dollars from it.

SHIPPING ANOTHER CAR OF HIGHGRADE FROM HOME PASTIME

Kingman

Drifting is now under way on the 80-foot level of the Home Pastime mine, at Mineral Park, and a fine body of ore has been entered to the east of the shaft. A carload of ore is being dressed up for shipment and as soon as this is sent out the property will be opened on the 150-level. The ore is reported to be of excellent grade in all the openings, and this condition is expected to continue to and below the deeper level. The old managers of the property sank a perpendicular shaft and failed to encounter the ore body when a crosscut was run off from the bottom. Prisk and Hoover, however, took the better method and followed the ore body with the result that they have traced out the fault and are getting the goods.

BIG STRIKE ON HOME PASTIME

The Home Pastime mine at Mineral Park has brought forth one of the most important strikes of the year. The management in clearing the water from the 80 foot level and the muck from the drifts and have found that a cave on the level about 20 feet east of the shaft shows a body of ore better than 8 feet wide that will average over 40 ounces silver and some gold, while a streak running from 12 to 18 inches gave returns of from 100 to 204 ounces in silver. The entire vein will average high enough to pay to ship without assorting, although the management intends to extract the high grade and leave the lower grade material for future milling stuff. In the high grade part of the vein kidneys of immensely rich material is found and the impression is that with greater depth a more important vein of ore will be opened.

The Home Pastime was known as the Rattlesnake in the early days of Mineral Park camp and produced considerable high grade ore. Later it became the property of J. W. Prisk and Robert Meara, Mr. Prisk taking over the Meara interest. During the ownership of Mr. Prisk the mine has produced a large tonnage of rich silver ore, and it would appear that the mine has only been scratched. The present management intends to open the property to greater depth and we believe one of the most important mines in the Mineral Park basin will be developed. The property is well situated and its shoots are very extensive.

The Home Pastime is being operated by J. W. Prisk and E. J. Hoover.

J. W. Prisk, the Home Pastime mine in Mineral Park, has a carload of high-grade gold-silver ore. Development is to be commenced immediately on the property. Due to faulting, the former owners failed to get the ore on this level.

The Home Pastime Mine in the Mineral Park District has shipped a carload of ore which gave smelter returns of 140 ounces in silver and 47 ounces in gold. A second car is now being loaded.

HOME PASTIME MINE TO GET EQUIPMENT

Kingman 5/1/28

E. J. Hoover came in from his home at Long Beach Thursday last and has gone out to Mineral Park, where he is developing the Home Pastime and Sabbath Bell mines. It is understood that these properties may be taken over by a strong company and opened to a depth far below the present level. In recent work the owners have opened new ore bodies and have worked out the fault system that baffled the people who sank the perpendicular shaft on the Home Pastime some years ago. A cave on one of the levels disclosed the ore body and this has been followed with big results. The ore carries high values in gold and silver and the indications are that a big body will be opened up. As soon as the property is well equipped the perpendicular shaft will be unwatered and drifting carried into the ore from the 300.

HOME PASTIME SHIPS CAR LOAD RICH ORE TO SMELTER

Kingman

The Home Pastime mine at Mineral Park, now being operated by E. J. Hoover and J. W. Prisk, this week shipped a carload of rich ore to the smelter. This ore was taken out in doing considerable exploratory work in the property the past several months. Mr. Hoover has been at the mines the past month.

A hoist is being installed on the main shaft and a large pump has been put in to dewater the mine to the 150 level, from which point the ore body will be entered. The shaft reached a depth of 300 feet under a former management, but failed to pick up the ore. Mr. Prisk has been tracing out the fault in the property and believes he will be able to cut it from the lower level. The mine shows good bodies throughout the old works and more continuous shoots should be found below the sulphide zone.

VERITABLE JEWEL BOX

Kingman

E. J. Hoover came in from the Home Pastime mine last evening and reports that he and J. W. Prisk are getting out a shipment of exceptionally rich ore. The shipping grade will average about 200 ounces silver and from two to four ounces gold. This streak will average better than 12 inches in thickness, while there is a streak of lower grade material fully three feet wide. The values even run out into the porphyry at least three feet, forming good mill values.

The ore body was opened on the 80 foot level, the sloughing of vein at that place exposing the ore in place. It was the failure to open this ore that caused the other fellows to give the property up a few years ago. It is found that in every opening the men in charge of the development of the property quit before reaching the ore bearing part of the vein and that caves have since exposed the ore body. It is expected that the same ore will be found on the 150 level when the water is pumped out. A shipment of a carload will be made from the property some time this month.

CAR OF ORE FROM THE HOME PASTIME GOES \$200 PER TON

Kingman

A car of ore shipped from the Home Pastime Mine at Mineral Park by E. H. Hoover and Joe Prisk gave a smelter return averaging 140 ounces in silver and 47 ounces in gold.

This is the first car shipped from the property after the uncovering recently of the high grade at the Home Pastime which made such a wonderful showing. Another car is being loaded by the owners of the property which will show even better values.

Recently a new vein was opened on this property on the 80 foot level, running at right angles with the main vein. This new vein which is known as the Garage vein, has a width of 4 feet and an average value of 34 ounces silver and 17 ounces gold. They have drifted a little more than 15 feet on this vein.

Jan 13-28

On the main vein they are still drifting west.

W. S. JENNINGS TAKES OVER HOME PASTIME

W. S. Jennings this week completed arrangements whereby he takes over the Home Pastime mine at Mineral Park from Joe Prisk for his associate Homer C. Chapin.

Mr. Jennings states machinery will be moved to the property at once and after the 150 foot shaft on the property is cleared out will continue the crosscut to the vein which should be encountered at about 30 feet. Then he will drift on the vein to the ore shoot from which many thousand tons of high grade has been taken out. *12/15*

The Home Pastime should be a big producer when properly opened up. *Kingsman*

HOME PASTIME AGAIN ACTIVE

W. S. Jennings and associates are installing a hoisting plant on the Home Pastime mine, at Mineral Park with the intention of unwatering the lower level and sampling the openings. A crosscut from the bottom of the shaft into the vein will be one of the first efforts in development. Good buildings are on the mine and everything well shaped up to go. Already several families are in camp and miners will be at work in a few days.

Mr. Jennings is to incorporate a new company to handle this property, which in the days gone by was one of the important shippers of high grade ore of Mineral Park basin. It is now owned by J. W. Prisk, who has off and on for years shipped ore to market from it.

E. J. Jones of the Katherine was in town on business Wednesday. *Kingsman*
12/15

NEW SHAFT BEING STARTED BY JENNINGS ON HOME PASTIME

W. S. Jennings, after sizing up the situation at the Home Pastime mine, at Mineral Park, concluded that a new shaft was necessary, instead of attempting to retimber and clear the old shaft, so the new shaft is being run a short distance from the old workings, and is going down with considerable rapidity. A good force of miners have been brought into the camp, and old building being renovated and repaired for use and everything put in ship shape. *Kingsman*

It is expected to have the new shaft at a depth of 100 feet within the next thirty days, when a crosscut will be carried to the workings at that level. Further sinking will be carried to a point below the old workings, so that the mine will be drained and the ore bodies brought to view. This work will take some time, but there is no doubt of the mine showing up good shipping ore as soon as the dead work is complete. *9/11/25*

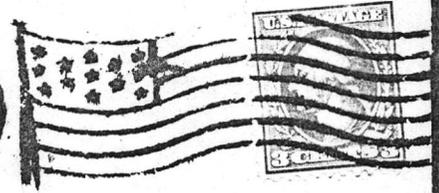
LATERAL WORK ON THE HOME PASTIME

A. B. Peach, manager of the Home Pastime, has crosscut 47 feet to vein from 150 level of new shaft and then drifted 40 feet to the southeast where they broke into the old workings near the old 150 foot shaft that connects with the drifting and stoping originally carried on through the 80 foot shaft. Besides this they drifted 40 feet to the northwest where they have started a raise to reach the intersection of the two producing veins that makes the rich ore body on this property. *Kingsman*
1-15-26

SHAFT OF HOME PASTIME 70 FEET

The shaft of the Home Pastime mine at Mineral Park has reached a depth of 70 feet and as soon as the hoist is transferred to the new shaft and in operation greater progress will be made. Owing to the inflow of water in the new shaft the pump will have to be transferred to the new shaft and this is now under way. Development of the property is sure to soon bring in the big ore body and within the next sixty days the property should be on a producing basis. *Kingsman*
12/15

UNIVERSITY OF ARIZONA
TUCSON
ARIZONA STATE BUREAU OF MINES



Owner, Home Pastime Mine,
Mineral Park, Arizona.

Returned for better address

No such Post Office in State Named.

APR 17 1917

NEW SHAFT BEING SUNK BY CONTRACT

It has been some four years since John More of the Iowa and Lazy Boy groups and Joseph Krause of the Esperanza property opened up a rich lense of ore in their Golconda gold property at Oatman, just east of the Leland-Mitchell. Out of a 20-foot shaft was taken some 60 sacks of high grade, much of the product containing crystallized gold in the form of rose petals.

The original discovery of the Golconda, then termed the "Ben Doran," was made by the late Tobe Wilkinson, also one of the locators of the Montgomery-Shoshone mine in Nevada. At a depth of six feet he encountered a small shoot of ore, the like of which has not been found elsewhere in the Oatman section. Passing to Krause and More the claims were purchased from them by the present owners two years ago. Recently the organization of a company known as the Oatman Golconda Mines company was effected, this corporation taking over the properties, which comprise 90 acres in a compact body adjoining the Apex Pioneer on the west. Interested in the new company are a number of New England capitalists, together with F. M. Woods, A. F. Heath and others of Colorado.

The Oatman Golconda people are working a force of men on a road to the new shaft, which is located 900 feet east of the present main shaft. At this point the Leland and Mitchell veins are about 100 feet apart, and it is expected that within the present contract of 425 feet of shaft sinking, the veins will join on the dip. Murray Wilson, formerly of Cripple Creek, Colo., the contractor, has started the new shaft. Machinery has been ordered and will shortly arrive on the ground.

NEW GOLCONDA MINE

W. A. Eaton of Duluth, Minn., took over Monday all the holdings of the Wallapai Precious Metals company, consisting of a big group of patented claims lying between the de la Fontaine and the Golconda mines. The consideration is not known, although it is said to have been a very large sum. The property is in one of the most desirable parts of the district and on the big Tub and Golconda veins.

Mr. Eaton departed for Duluth Monday evening to make the necessary arrangements for the development of the property. Large equipment is to be installed. Electricity will be as motive power. A hoist, compressor and power drills will be ordered by Mr. Eaton. As the power line runs over the property the expense of electric installation will be light. G. W. Gibson and O. D. M. Gaddis are interested in the deal, being officers of the Wallapai Precious Metals company.

General manager John D. Wanvig of the Golconda mine and family, who have been on the coast during the summer, returned to the property a few days ago. He is much pleased by the great showing of ore opened up in the mine during the past few months. On the 1000 foot level there has been exposed one of the finest ore bodies ever opened in the property. It is development on the scale of the Golconda that is bringing Mohave county to the front, because it is well known that there are many other properties just as good as it at equal depth. Since taking charge of the mine Mr. Wanvig has done an immense amount of development work and has secured better results than obtained in any other property.—Mohave Miner.

MAR 11 1917

ARIZONA REPUBLICAN

CHLORIDE CERBAT LOOKING BETTER

Much is heard locally of the Chloride district in Mohave county. Several of the big mines in the immediate vicinity of the town of Cerbat is the Golconda Mining company and the Cerbat Four Metals Mining company, and many others. The local office of the Four Metals company is enthusiastic about the showing they are now making on the ground. The management reports a rich ore shoot, fifteen feet wide, at a depth of 135 feet showing about \$34 in zinc and \$7 gold per ton, besides good silver and lead values. There is already a large tonnage of good milling ore on the dumps and in sight.

The company is composed mostly of Phoenix and Chloride men and financial arrangements are now being made to install up to date machinery, when ore shipment will begin.

The property is composed of four mining claims and has virtually passed the prospect stage as there have been about \$20,000 of development work done on the claims and considerable bodies of ore have been opened up, making it possible to commence shipping ore at an early date.

Recent development work in the Golconda mine of the Union Basin Mining company, of which N. L. Amster of Boston, is president and principal owner, has opened large reserves of high grade ore carrying zinc and gold.

The Mohave County Miner, in a recent issue says:

The main shaft of the Golconda mine of the Union Basin Mining company at Golconda has reached a depth of 1050 feet and is reported to be in "high grade." The management has also crosscut over on the 700-foot level into its Tub ground, where a splendid body of ore has been opened. This ore body is far richer than anything opened in the mine above that level.

Stopes are being extended and in every quarter of the big property sufficient ore has been opened up to keep the mill in operation for a long time to come. Owing to the heavy inroads on the ore reserves during the past year and the inability to keep developments ahead of the extraction the ore reserves were brought down to a low ebb, but the mine, under the direction of Manager John D. Wanvig, is now in better shape than ever before in its history.

About 1000 feet of development work is done every month and as this is nearly all in ore there will be no possibility that the output will reach or pass development. Last month better than 1500 tons of ore were shipped to the smelters. This amount has not been exceeded but since previously in the history of the mine, that being during the month of September last. The ore is equally as good in zinc content as any produced by the mine and it is understood that depth has brought in better values in gold.

One of the most interesting mining districts in the southwest today is the Chloride Cerbat district in Mohave county, Arizona. Beautifully located in the foothills, near the town of Cerbat, and surrounded by big mines, is located the Cerbat Four-Metals mining company's property, one of the most promising mines in the Cerbat range.

The Golconda mine, located nearby has produced over \$8,000,000. Many leading mining engineers and geologists have strongly endorsed the Four-Metals ground.

The management reports a rich ore shoot, fifteen feet wide, at a depth of 135 feet showing about \$34.00 in zinc and \$7.00 gold per ton, besides good silver and lead values. There is already a large tonnage of good milling ore on the dumps and in sight.

The company is composed mostly of Phoenix and Chloride men and financial arrangements are now being made to install up-to-date machinery, when ore shipment will begin.

The property is composed of four mining claims and has virtually passed the prospect stage as there have been about \$20,000 of development work done on the claims and considerable bodies of ore have been opened up, making it possible to commence shipping ore at an early date.

The Golconda mine, situated in the Cerbat range, sixteen miles north of Kingman, is reported to be about to pass into the hands of one of the big copper syndicates for a price said to be above one-half million dollars. The men negotiating for the property is the Amsters, which is the big operating company at Morenci, Arizona, and which a year or so ago looked over mines of this county to get a foothold for the purpose of extending their scheme of mining. Owing to the breaking of the copper market at the time the company was compelled to forego its expansion, but now that copper is coming on in the market and that the time appears ripe the company is prepared to fortify itself in one of the big mines of this part of the State.

Several years ago the Golconda was taken over by John Boyle and the first legitimate mining was undertaken at the property. Prior to that time a few shallow shafts had been sunk on the veins, but while some very good silver ore had been opened and extracted no effort was made to get below the change. As soon as Mr. Boyle assumed command of the property he equipped it with hoisting machinery and commenced a systematic development of the zinc vein of the group. At a depth of about 150 feet the big zinc ore body was encountered and from that day to this the mine has proven itself an immense producer. As soon as money began to flow into the treasury from ore sales Mr. Boyle took options on all the notable mining property surrounding his holdings and the estate of the company today is composed of some of the best mines in the district, every one showing big and distinct ore bodies. The Tub and Prosperity are among the biggest of the acquired veins and these have been opened to considerable depth, a drift having been carried through the Prosperity into the big ore bodies of the Golconda and showing great bodies of valuable ore almost the entire distance.

The Golconda shaft has reached the 8th level, about 720 feet from the shaft collar and drifts have been carried out into splendid ore bearing ground. From this level and the 500 level about 400 tons of ore weekly is going out to the smelters at Bartlesville, Oklahoma. Two self-dumping trucks carry the ore to the railroad, these machines being operated in three eight-hour shifts each day.

A concentrating plant to handle the lower grades of ore has been in operation at the mine the past two years and has turned out a wonderful tonnage of ore. When it is known that the ore shipments from this property carry values above 45 per cent zinc the reader will realize the wonderful value and possibilities of the mines, especially when it is taken in connection with the great length and width of the ore shoots. The shoots in places have a width of eleven feet of solid ore, while they run from 200 to 400 feet in length from the shaft. Below the Golconda is the Tub, which also has great bodies of ore, and while these bodies are much wider they fail to reach the same wonderful richness of ore as that borne by the Golconda. In places the Tub vein is 50 feet wide.

The report of the Geological Survey conveys to the reader of mining history the story of the manner in which Mohave county is building up its mining industry and forging to the front as a producer of gold, silver, copper, zinc and lead. Today it stands at the head of Arizona counties as a producer of zinc and gold, and at the same time is close to the head as a producer of lead, Cochise county now holding first position in the production of silver, copper and lead.

Two mines in this county—the Golconda and the Tennessee—produced last year nearly 15,000,000 pounds of spelter, against about 7,000,000 pounds in 1914. The value of the entire spelter production of the state was \$2,540,000, and more than \$2,000,000 of this is credited to Mohave county. This is in excess of all the gold and silver produced by the other mines of the county. Aside from this, the Tennessee mine produced a large tonnage of lead, the zinc and lead ores being shipped to the concentrating plant at Needles.

The Golconda mine also produced gold and silver, it being understood that these values paid for mining and all other fixed charges against the spelter product. It is understood that the entire production of spelter, gold and silver by the Golconda mine for the year is far in excess of \$1,000,000 and that the Tennessee mine is also credited with more than \$1,000,000 in

gold, silver, lead and zinc.

These two mines have not been touted to any extent, the management not having stocks for sale, but having in view the commercializing of the properties. With two such producers in the gold fields of Mohave county, or elsewhere, they would be touted the world over. And yet these mines are employing many men, and are buying machinery and supplies that would make the gold sections sit up and take notice. The Golconda is one of the most ideal zinc mines in the world. Its ores are free from all the deleterious basis that make the western zinc ores hard to handle. It is for this reason that the mine was able to get one of the best contracts ever offered a producing zinc mine in the United States and enable it to have a great market all the time, while many of the other big producers were almost idle during the year.

It is these two mines that will make history during the year 1916 and to which Mohave county looks for a steady production of the two necessary metals.

The Golconda is being equipped with a great flotation plant, which will be in operation as soon as it can be tied up with electric power that is now going out from the Kingman plant. And the Tennessee is also to be better equipped when the electric juice is brought into that camp. With the better equipment these two mines will be world beaters during the year.

It has been some four years since John More of the Iowa and Lazy Boy groups and Joseph Krause of the Esperanza property opened up a rich lense of ore in their Golconda gold property at Oatman, just east of the Leland-Mitchell. Out of a 20-foot shaft was taken some 60 sacks of high grade, much of the product containing crystallized gold in the form of rose petals.

The original discovery of the Golconda, then termed the "Ben Doran," was made by the late Tobe Wilkinson, also one of the locators of the Montgomery-Shoshone mine in Nevada. At a depth of six feet he encountered a small shoot of ore, the like of which has not been found elsewhere in the Oatman section. Passing to Krause and More the claims were purchased from them by the present owners two years ago. Recently the organization of a company known as the Oatman Golconda Mines company was effected, this corporation taking over the properties, which comprise 90 acres in a compact body adjoining the Apex Pioneer on the west. Interested in the new company are a number of New England capitalists, together with F. M. Woods, A. F. Heath and others of Colorado.

The Oatman Golconda people are working a force of men on a road to the new shaft, which is located 900 feet east of the present main shaft. At this point the Leland and Mitchell veins are about 100 feet apart, and it is expected that within the present contract of 425 feet of shaft sinking, the veins will join on the dip. Murray Wilson, formerly of Cripple Creek, Colo., the contractor, has started the new shaft. Machinery has been ordered and will shortly arrive on the ground.

there is a zinc mine situated seven-
teen miles from Kingman, that is
without doubt one of the most valu-
able properties in the county and
which is expected to become in the
near future the largest dividend pay-
er. It is the Golconda mine owned
by the Union Basin Mining company,
of which N. L. Amster of Boston,
holds the controlling interest.

Although the Amster interest ac-
quired the Golconda property only
last summer, the company has al-
ready paid two dividends of \$85,-
000 each, or a total of \$170,000 in
five months; and this record was
made during a period of rehabilita-
tion and development and with an
old out-of-date plant. In addition
to disbursing this large amount in
dividends, the company has accumu-
lated a considerable reserve fund to
meet the cost of the new milling
plant, soon to be completed, and
for electricizing the camp. With the
new mill in operation it is estimated
the Union Basin Mining company
will be able to earn from \$150,000
to \$200,000 monthly.

The Golconda is a zinc mine, the
ores also carrying some gold. The
flotation process is to be employed
in the concentration of the ores,
which should effect a much larger
saving of metals. It is said the
company has enough ore in the
dumps to assure the payment of
dividends for many months to come,
and there is a large amount of ore
opened in the mine available for
stoping. A large force of men is now
employed in the mine and on con-
struction and recent development
work on the deepest level is said
to have disclosed important bodies of
high grade ore.

properties have purchased from John
Mulligan of Kingman the Silver and
Big Bethel claims, which are bounded
on the east, west and south by the
property known as the Golconda mine
of the Union Basin Mining Company.
The Mulligan property is traversed by
the same vein from which in its own
territory the Golconda management is
extracting monthly gold-silver-zinc ore
to the value of approximately \$250,-

000. Mr. Bell and associates will be-
gin the development of their newly
acquired property upon an extensive
scale in the near future.

It is quite apparent from plans
mapped out by General Manager O. A.
Turner that the Golconda Extension
mine, adjoining on the north the Gol-
conda mine of the Union Basin Mining
Company, in the Cerbat mountains,
20 miles north of Kingman, will be
explored to great depth.

With a full complement of modern
machinery and a force of about 20
miners, the management of the Gol-
conda Extension is already pushing
development work with all possible
dispatch. The north drift on the 280-
foot level is more than 300 feet into
an ore body which on the 180-foot level
exceeds 600 feet in length. The drift
is being advanced on a full face of
ore assaying around \$50 per ton. The
mine has in years past produced more
than \$500,000, of which amount \$300,-
000 is shown by smelter receipts in
the hands of the present operating
company. The main working shaft is
now being sunk from the 280 to the
400-foot level and it is in the intention
of the management to drive a 2800-
foot crosscut tunnel which will give a
depth of nearly 800 feet on the vein
system of the property.

remarked on the great efficiency at-
tained by the Golconda mine under its
present management. He stated that
he had spent some time in discussing
the property with Mr. Wanvig, the
manager, and that he was amazed at
the great earnings of the property in
the past few months.

Mr. Peard also spoke enthusiasti-
cally concerning Mr. Turner's new
property, the Golconda Extension,
which he and Mr. Clapp visited. Of
course his main interest was in in-
specting the Gem mine, which has
been such a remarkable producer of
gold in the past, and of the Fredonia
claims, which lie only 200 yards from
the main shaft of the Golconda mine.

These Fredonia properties, Mr.
Peard believes, will prove as great
producers when depth is reached as
the Golconda mine, and this opinion
is borne out by John Boyle, who sold
the Golconda to its present owner and
who was part owner of the Fredonia
claims.

Mr. Peard intends to advertise the
Golconda Consolidated Mines exten-
sively in California, as well as
throughout the east, notably in Chi-
cago and New York, where he has
already made arrangements for the
sale of the new company's stock.

The company is to be incorporated
for \$1,250,000 and the first allotment
of stock will be on the market at 25
cents per share. He believes that the
future of the Cerbat range, when
known, will be greater than any dis-
trict in this locality. Having made
an exhaustive investigation of the
properties in this locality, Mr. Peard
is able to speak authoritatively, and
the advertising he will do covering
this locality should awaken much in-
terest, not alone in the Golconda Con-
solidated Mines, but the other meri-
torious properties of Cerbat.

While the active management of the
properties of the Golconda Consoli-
dated Mines will be in the hands of
A. W. Clapp, who aside from being a
large stockholder will act as general
manager. Mr. Peard will probably
make many trips to Kingman and will
be an active booster of the properties
in this district.

When the Golconda closed down its mill and shut off the extraction of ore nearly 100 men were employed. Zinc had dropped to a low figure and our alfalfa fed legislature had put a tariff on ore production that no struggling mine could stand up under. A bonanza mine like the Tom Reed could stand to be robbed, but it is about the only one in this county. Now that zinc has gone up to near 6 cents, a fair price, Manager Boyle expects to have mine and mill in full operation by the first of September. During the lay off the main shaft was retimbered and a mine skip put in. Local prosperity got quite a shock when the Golconda closed down, and it will get quite a boost when it starts up.

Today the stock of the Golconda Extension is to go to a higher figure in the market. All the 25-cent stock having been disposed of, the shares of this company have gone like hot cakes and it is believed that the new issue will also be taken up as fast as it can be issued. *Wolman Co. Trust*

While Mohave county is in the lime light by reason of the gold discoveries in the district surrounding Oatman, which have attracted many hundreds of prospectors, miners and others who hope to profit from the boom that is now on in that section, there is a zinc mine situated seventeen miles from Kingman, that is without doubt one of the most valuable properties in the county and which is expected to become in the near future the largest dividend payer. It is the Golconda mine owned by the Union Basin Mining company, of which N. L. Amster of Boston, holds the controlling interest.

Although the Amster interest acquired the Golconda property only last summer, the company has already paid two dividends of \$35,000 each, or a total of \$170,000 in five months, and this record was made during a period of rehabilitation and development and with an old out-of-date plant. In addition to disbursing this large amount in dividends, the company has accumulated a considerable reserve fund to meet the cost of the new milling plant, soon to be completed, and for electricizing the camp. With the new mill in operation it is estimated the Union Basin Mining company

This week General Manager Wanvig, of the Union Basin Mining Company came to Kingman and signed a contract with the Desert Power and Water Company by the terms of which power is to be transmitted to the Golconda mine by the first of January, 1916. The mining company agrees to take at least \$1,000 worth of power monthly for a period of two years and the power company will establish the transmission lines. It is understood that a line will be run sufficient to transmit 1,000 horsepower.

The Union Basin Mining Company is installing a new reduction plant at the Golconda mine capable of handling not less than 200 tons of ore daily and the oil flotation process is to be installed. It is said that there is at least \$200,000 in zinc in the tailings and on the dumps, and that far more than that can be taken from the old stopes in the mine. With the new milling plant in operation the company will be in position to send out double the quantity of ore now handled. The electric power is to operate the mill, the present plant on the mine to be maintained until it becomes obsolete, when it will be replaced with motors.

The transmission of power up the range will have a good effect on mining in that region and will greatly reduce power costs. It is to be hoped that the lines will be continued to Chloride and later into the White Hills country, where power costs were so great that it resulted in the closing down of those great silver mines.—Kingman Miner.

WALLAPAI

C. B. Bell of Douglas, Ariz., and associates have purchased from John Mulligan of Kingman the Silver and Big Bethel claims, which are bounded on the east, west and south by the property known as the Golconda mine of the Union Basin Mining Company. The Mulligan property is traversed by the same vein from which in its own territory the Golconda management is extracting monthly gold-silver-zinc ore to the value of approximately \$250,-

000. Mr. Bell and associates will begin the development of their newly acquired property upon an extensive scale in the near future.

It is quite apparent from plans mapped out by General Manager O. A. Turner that the Golconda Extension mine, adjoining on the north the Golconda mine of the Union Basin Mining Company, in the Cerbat mountains, 20 miles north of Kingman, will be explored to great depth.

With a full complement of modern machinery and a force of about 20 miners, the management of the Golconda Extension is already pushing development work with all possible dispatch. The north drift on the 280-foot level is more than 300 feet into an ore body which on the 180-foot level exceeds 600 feet in length. The drift is being advanced by a full

OCT 20 1915

N. L. Amster's Golconda, known as the world's greatest zinc mine, in Mohave county is leading all properties in the Oatman district in output according to reports from Mohave county.

"At this important period when a new epoch is dawning upon Mohave county, it is well to sum up the production which has caused the sudden influx of mining men from all over the western country and set the wheels of development turning as they never have turned before," says a mining writer.

"The mines at present producing, the vanguard of many yet to come, are as follows:

	Monthly Output
Golconda	\$250,000
Tennessee	150,000
Tom Reed	100,000
Copper Giant	100,000
Dold Road	70,000
Champion	35,000
Scattered	35,000
Total	\$740,000

"Presently the United Eastern will drop into line, well up toward the head of the list, together with a number of others in the Oatman country. The Golconda Extension will be one of the first to be added, and this will be followed by many of the great number on which extensive development is now progressing. It is hard to estimate what the production will be in another year, but it is safe to say that it will take seven figures to record the monthly output."

Mr. Peard, during his visit here, remarked on the great efficiency attained by the Golconda mine under its present management. He stated that he had spent some time in discussing the property with Mr. Wanvig, the manager, and that he was amazed at the great earnings of the property in the past few months.

Mr. Peard also spoke enthusiastically concerning Mr. Turner's new property, the Golconda Extension, which he and Mr. Clapp visited. Of course his main interest was in inspecting the Gem mine, which has been such a remarkable producer of gold in the past, and of the Fredonia claims, which lie only 200 yards from the main shaft of the Golconda mine.

These Fredonia properties, Mr. Peard believes, will prove as great producers when depth is reached as the Golconda mine, and this opinion is borne out by John Boyle, who sold the Golconda to its present owner and who was part owner of the Fredonia claims.

Mr. Peard intends to advertise the Golconda Consolidated Mines extensively in California, as well as throughout the east, notably in Chicago and New York, where he has already made arrangements for the

that the demand for cars is not greater than the capacity of the little engine used on that division, and it is more than probable that two trips will have to be made daily to take care of the business offered.

Now, at the rate paid for Golconda zinc those four cars would be worth \$21,600, there being in them 180,000 pounds of clean metal, which is said to be paid for at a flat rate of 12 cents per pound. At the market rate the four cars would bring nearly \$30,000. Now, remember that this is a little over one day's output of the mine, the property sending to the railroad 100 tons. Two big trucks are operated with three eight-hour shifts in bringing ore from the mine to the railroad. A platform and bunkers over 100 feet in length are to be built at once to expedite the loading of the ore into the cars.

The new ore is being brought from the 800 level. Gold is now gaining rapidly in the ore and at last reports was sufficient to meet all shipment and other charges aside from actual mining. As soon as the new machinery is installed and in commission work will be commenced on deepening the shaft to the 1000 level. At present it is 44 feet below the 8th level, where work had to be discontinued on account of the effort to get out a large tonnage to fill the contracts that had been entered into between the mine and smelter. With the greater facilities the mine within the next six weeks will be producing double the output of all the other mines in the county combined.

The Golconda is in the Cerbat range of mountains, about sixteen miles north of Kingman. It is only five miles from the Western Railway of Arizona, and in a most accessible part of the range. It was operated for a number of years by John Boyle whose energetic management brought it to its present high state of productivity. It has an immense estate and under present conditions is worth far into the millions of dollars.

it really is, and there were not a few doubting Thomases among those that read the story. Now, that even these may be brought into the field we will say that Tuesday last there was taken from Mineral Station four cars of Golconda ore, each car weighing forty-five tons, of better than fifty per cent zinc. And not only that the railroad brought in these four cars, but it also brought in four cars from the Tennessee and had to refuse two from the Champion and one from the Tennessee, as the eight cars taxed the capacity of the motive power of the railroad. Not one day passes that the demand for cars is not greater than the capacity of the little engine used on that division, and it is more than probable that two trips will have to be made daily to take care of the business offered.

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Yesterday morning when the shareholders of the Union Basin Mining Company opened their mail in Kingman they were pleasantly greeted with checks for the first dividend payment from the Golconda mine under the Amster regime. The disbursement totaled \$85,000, or ten per cent on the issued stock of the company. Among the Kingman people to receive checks were I. M. George, E. F. Thompson, Mrs. E. F. Thompson, L. H. Teale and A. E. Ware. The disbursement of this large amount of money, which is to become a monthly dividend, is remarkable when it is understood that the mine has been doing an immense amount of development work and adding largely to its equipment. This month is the first time that the mine has reached its greatest capacity, and if a dividend of this magnitude can be paid for July the August disbursement should be far greater. While we have no complete figures on the earnings of the mine it must now be far above \$300,000 monthly.

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AUG - 1915
Great Mohave County Zinc

Mine Disburses \$85,000\$

to Its Stockholders

Bonanza Ore on 8th Level--Great Tonnage Going to Smeltery

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The MINER article of last Saturday was the first intimation that the Golconda mine was the great property that it really is, and there were not a few doubting Thomases among those that read the story. Now, that even these may be brought into the fold we will say that Tuesday last there was taken from Mineral Station four cars of Golconda ore, each car weighing forty-five tons, of better than fifty per cent zinc. And not only that the railroad brought in these four cars, but it also brought in four cars from the Tennessee and had to refuse two from the Champion and one from the Tennessee, as the eight cars taxed the capacity of the motive power of the railroad. Not one day passes that the demand for cars is not greater than the capacity of the little engine used on that division, and it is more than probable that two trips will have to be made daily to take care of the business offered.

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The Union Basin Mining Company, owner of the greatest zinc mine in the southwest, is soon to have a great flotation plant at the mine. This plant is designed to handle about 200 tons of ore daily, and will be in commission not later than the first of next January. For months past the company has been trying out the flotation process, and we understand that all tests have been successful.

While great stress has been laid by the newspapers on the output of the Gold Road and Tom Reed, and the great possibilities of the United Eastern, the Golconda has been quietly outputting an immense tonnage of the richest and most ideal zinc ore to be found anywhere in the United States. The mining company has a great estate situated in Union and Todd basins, and every acre of it is ore bearing. In breaking down the ore in the stopes a larger amount goes into the stope than goes to the surface, and at the same time immense blocks of lower grade ores are left for future stoping. All this will be run through the mill, the stopes being drawn gradually until all mill dirt has been taken out.

By installing the mill the company will be in position to handle every pound of ore that can be broken down in the mine and dress it up to a high-grade shipping product. With thousands of tons available at the present time, and with the large amount of new ground being opened the mill will have ore enough to keep it pounding away for many months without the breaking of new ore in the stopes.

Being situated within a few miles of the railroad, the Golconda mine can lay its product down at the station at low cost. Trucks are used to transport the ore from the mine, three shifts being operated on each truck. In this way a large daily tonnage may be handled. The price obtained for the zinc from this mine is a flat rate of 12 cents per pound, something less than the market, but a splendid price when it is understood that it is the price agreed upon for the entire product of the property until the first of January, 1916. The big mill is estimated to cost \$100,000 and will be modern in every particular, the present plant being superseded by it. From the mine to the mill everything will be handled automatically, reducing the costs to a minimum.

PHOENIX, Ariz., May 25.—Representatives of the Amster interests closed their option on the Golconda mine, or rather on a majority of the stock of the Union Basin Mining company, owner of the big zinc property. John Boyle, who made the property what it is today, and who was the owner of three-fourths of the issued stock, made a big clean-up, realizing a net of \$150,000. Many others of the small stockholders of the company pooled their stock and it is also to be taken over by the new people.

About five years ago Mr. Boyle took over the Golconda mine when it was a mere prospect and soon had it shipping a big tonnage of ore to the smelters. In the early life of the mine he had a hard struggle to make it possible to ship the ore at a profit, but as the years went on people recognized the wonderful value of the property and funds were realizable on bonds of the company. But this all took work to make it possible, and Mr. Boyle is to be congratulated in making a mine out of the prop-

erty and then bringing in one of the biggest operators in the game to maintain it as a great producer. The Amsters, who have taken over control of the property, have large interests in the copper mines of Globe and Morenci. They have made a thorough examination of the mine and know its worth. Their option was obtained on the mine when zinc was low and had the purchase not been made Mr. Boyle would have made a still greater winning. The mine has one of the best contracts ever made with a smelter, and this contract has a long time to run, assuring a revenue of at least \$50,000 per month to the property.

Mr. Boyle has taken over the mines of the Stockton Hill Mining company and will devote his time to the operation of the mine and the big milling plant.

It is expected that the Amsters will enlarge the capacity of the plant at the Golconda and give the mine a greater output with larger machinery, it being possible to handle the big zinc bodies of the Tub mine at a profit.

MAY 26 1915

MOHAVE COUNTY

The Golconda mine is being opened at 800 ft., and the shaft is to be sunk to 1000 ft. as soon as possible. Rich zinc ore is showing in the new level.—Six feet of zinc ore was cut recently in the Columbus mine at Cerbat. At present it is being piled on a dump.—It is reported that the Arizona Western Mines Co. is to sink to 500 ft. and open the gold-silver-lead and zinc-lead deposits on its ground in the Chloride district.

John Boyle, who made the Golconda the great property that it is today, came in from Los Angeles last Monday morning. He has a force of men at work on the Shooting Star mine, at Stockton Hill and is opening up a splendid property. It is his intention to get in the producing game again as soon as possible.

AUG - - 1915

John Boyle returned from Los Angeles a few days ago and went out to Stockton Hill to look after his mining interests there this morning. He has the mining plant in shape for immediate operation and will soon have a compressor on the De la Fontaine mine, where he will begin active operations for the production of zinc and lead ores.

It was Mr. Boyle who made the Golconda the great mine that it is, and he is sure to bring out a big winner in the De la Fontaine and Shooting Star properties.

AUG - 1915

Golconda the Wonder Mine

Producing Monthly More than Gold Road and the Tom Reed Combined

Shipments of 100 Tons Daily and Receipts of Nearly 300,000\$ Monthly

The one great mine of Mohave county today is the Golconda, although that property is not making any great stir about it. One hundred tons daily of 40 per cent zinc ore is going out every day to the smelter at Bartlesville, Oklahoma, bringing to the Union Basin company the nice little sum of 9,600\$. At this rate the receipts monthly from ore sales will reach 288,000\$, away beyond the total earnings of the Tom Reed and Gold Road companies. It is said that the net returns per pound of zinc is now nine cents, after all deductions are made, which would make a net at the railroad station of Mineral of 7,200\$ per day.

This is a wonderful showing for a mine that a few years ago was unknown. And on the heels of this wonderful showing of income is the fact that the mine has just struck one of the greatest bodies of zinc ore ever opened in that property. The ore is clean and high grade, the general average being above 50 per cent.

Golconda

This property near Kingman and known as the largest zinc producer in the southwest is now shipping one hundred tons per day of 40 per cent to Bartlesville, Oklahoma. It is calculated the monthly ore sales aggregate about \$288,000. The mine produces concentrates at the mine in addition to direct shipping ore.

Wouldn't a producing zinc mine look good to the average man today, with zinc quoted at 8.12 and still soaring. No wonder that the big fellows have their eye on the Golconda and are getting ready to exercise their option on that property. At Stockton Hill and in many other localities there are bodies of heavy zinc ore that might be shipped to the zinc smelters with profit.

FEB 1915
MAR 1915

Golconda Mine in Great Ore

Greatest Producer of Zinc in
Southwest Reaches New
Deep Level

The Golconda has reached the 800 level and a station has been cut in the ore body, and drifts are now being carried off along that level. The drifts are all in the best zinc ore ever opened in the property, and, although the storms have impeded the work of shipment to the railroad, the work is still going on at high pressure.

About ten cars of ore have been piled up on the dumps and in the bunkers, but the two big trucks are now at work and it will be but a few days until this stock is on the way to the smelter. Three eight-hour shifts are operated on these trucks and from two to three cars of ore can now be hauled from the mine to the railroad daily.

Supt. Lawrence is getting in heavy machinery for the purpose of getting down to the 1000 level as soon as possible, from which level practically all the future development will be carried on, especially that of the Tub and other parallel veins.

The Golconda mine, situated in the Cerbat range, sixteen miles north of Kingman, is reported to be about to pass into the hands of one of the big copper syndicates for a price said to be above one-half million dollars. The men negotiating for the property are the Amsters, which is the big operating company at Morenci, Arizona, and which a year or so ago looked over mines of this county to get a foothold for the purpose of extending their scheme of mining. Owing to the breaking of the copper market at the time the company was compelled to forego its expansion, but now that copper is coming on in the market and that the time appears ripe the company is prepared to fortify itself in one of the big mines of this part of the state.

Several years ago the Golconda was taken over by John Boyle and the first legitimate mining was undertaken at the property. Prior to that time a few shallow shafts had been sunk on the veins, but while some very good silver ore had been opened and extracted no effort was made to get below the change. As soon as Mr. Boyle assumed command of the property he equipped it with hoisting machinery and commenced a systematic development of the zinc vein of the group. At a depth of about 150 feet the big zinc ore body was encountered and from that day to this the mine has proven itself an immense producer. As soon as money began to flow into the treasury from ore sales Mr. Boyle took options on all the notable mining property surrounding his holdings and the estate of the company today is composed of some of the best mines in the district, every one showing big and distinct ore bodies. The Tub and Prosperity are among the biggest of the acquired veins and these have been opened to considerable depth, a drift having been carried through the Prosperity into the big ore bodies of the Golconda and showing great bodies of valuable ore almost the entire distance.

The Golconda shaft has reached the eighth level, about 720 feet from the shaft collar and drifts have been carried out into splendid ore bearing ground. From this level and the 500 level about 400 tons of ore weekly is going out to the smelters at Bartlesville, Oklahoma. Two self-lumping trucks carry the ore to the railroad, these machines being operated in three eight-hour shifts each day.

A concentrating plant to handle the lower grades of ore has been in operation at the mine the past two years and has turned out a wonderful tonnage of ore. When it is known that the ore shipments from this property carry values above 45 per cent zinc the reader will realize the wonderful value and possibilities of the mines, especially when it is taken in connection with the great length and width of the ore shoots. The shoots in places have a width of eleven feet of solid ore, while they run from 200 to 400 feet in length from the shaft. Below the Golconda is the Tub, which also has great bodies of ore, and while these bodies are much wider they fail to reach the same wonderful richness of ore as that borne by the Golconda. In places the Tub vein is 50 feet wide.—Mohave County Miner.

John Boyle has been in Los Angeles this week attending to matters connected with his large mining business in this county. Mr. Boyle has devoted his attention to the development of zinc mines in this county and is now reaping a just reward for his labors. The Golconda, which he controls, is shipping two cars of heavy zinc ore daily to the smelters. The output of the mine is larger than ever before and the net revenue is said to be in excess of 30,000\$ per month. Mr. Boyle is also operating the de la Fontaine mine at Stockton Hill, one of the big zinc-lead properties of that section. The mine is equipped with a concentration plant of sufficient capacity to handle the output of the property.

Golconda Mine

Noted Mohave County Zinc
Mine Passes Into Hands
of Big Copper People

Last Thursday representatives of the Amster interests closed their option on the Golconda mine, or rather on a majority of the stock of the Union Basin Mining company, owner of the big zinc property. John Boyle, who made the property what it is today, and who was the owner of three-fourths of the issued stock, made a big cleanup, realizing a net of 150,000\$. Many others of the small stockholders of the company pooled their stock and it is also to be taken over by the new people.

About five years ago Mr. Boyle took over the Golconda mine when it was a mere prospect and soon had it shipping a big tonnage of ore to the smelters. In the early life of the mine he had a hard struggle to make it possible to ship the ore at a profit, but as the years went on people recognized the wonderful value of the property and funds were realizable on bonds of the company. But this all took work to make it possible, and Mr. Boyle is to be congratulated in making a mine out of the property and then bringing in one of the biggest operators in the game to maintain it as a great producer. The Amsters, who have taken over control of the property, have large interests in the copper mines of Globe and Morenci. They have made a thorough examination of the mine and know its worth. Their option was obtained on the mine when zinc was low and had the purchase not been made Mr. Boyle would have made a still greater winning. The mine has one of the best contracts ever made with a smelter, and this contract has a long time to run, assuring a revenue of at least 50,000\$ per month to the property.

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It is expected that the Amsters will enlarge the capacity of the plant at the Golconda and give the mine a greater output with larger machinery, it being possible to handle the big zinc bodies of the Tub mine at a profit.

Mohave Miner: The Golconda is shipping 40 tons of very high grade concentrates daily and this has been the output for several years. Under the management of John Boyle this property has been aggressively exploited for the past seven years. There is at least 10,000 feet of work done and all of this development shows evidence of the energy and mining experience of Mr. Boyle. Throughout all these shafts, drifts, stopes and levels the vein shows a general average width of 4 feet but in places it is very much wider than that and the average mineral content is 20 per cent zinc. The gold and silver content is entirely sufficient to pay shipping and smelting charges. Within six years 1,300 cars of ore has been shipped, the first having been sent out at that time and the car returned 51 per cent zinc. While we say the ore in all workings averages over 20 per cent zinc it must also be remembered that the ore by smelter returns show values of 45 to 50 per cent in carload lots; and of course the lower grade is not sent out. Mr. Boyle is a very conservative and experienced mine manager, and this method of operating he has proved is the successful method.

The Golconda, of which company, John Boyle is principal stockholder and manager, continues its regular daily shipment of 40 tons of concentrates. The Golconda has produced nearly 800,000\$ and has paid the expense of development from the grass roots besides furnishing the money necessary to buy rich adjoining property. The ore carries the best grade of zinc of any mine in the world.

Manager Boyle is rushing the output from the Golconda while zinc is above 7 cents and reaching up for a higher level. Now is the time to get even on his whole life.

Golconda

This important property the largest zinc producer in the southwest, is about to pass into the hands of the Amster Co. of Boston. The Amsters have been operating in Arizona for many years. Their most important holdings were at Globe. Their latest developments were on the R. R. mine at Patagonia, Santa Cruz county.

SPELTER GAIN ALSO A RECORD ONE.

The mine production of recoverable spelter was about 9,100,000 pounds, valued at \$510,000, which was an increase of about 340,000 pounds, or nearly 4 per cent over the production of 1912. On account of the lower price paid for the metal, the total value decreased more than \$90,000. The Golconda mine, in Mohave County, formerly the largest producer, was making shipments of ore and concentrates only part of the year, and therefore had a greatly decreased output. Much ore was, however, shipped from the San Xavier mine in Pima county and much concentrate was made from Mohave County ores milled at Needles.

Strikes seem to be very fashionable in the mines of Northern Arizona, and the Golconda is now in the limelight with a great strike of four feet of ore carrying zinc values of 45 per cent. Virgin territory was exploited and a strongly defined vein was uncovered, which gives every promise of being an important factor in the future production of this property.

Without any doubt whatever the Golconda is the greatest zinc mine in the world, and this fact is being emphasized by recent development in the Tub mine of the Golconda group.

This strike is of special importance from the fact that heretofore all the workings on this claim disclosed only low grade material.

There is now uncovered a strong shoot of ore, 4 feet wide, carrying values of 45 per cent zinc, and this too in territory thought to be low grade.

For the past 7 years this property has been aggressively operated under the direct personal management of Mr. John Boyle, who owns 82 per cent of the stock of the company, and during this period of development the property has produced 800,000\$; or an average of more than 100,000\$ for each of every year. As a matter of fact the property has not only paid practically all expense of operation and equipment but considerable rich adjoining property has been acquired, including the Tub mine in which the present strike was made.

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Mohave Miner: It is reported that two cars of splendid zinc ore is now going out to the Oklahoma smelters from the Golconda mine. Two trucks are used to haul the ore to the railroad, and at times three shifts are put on these trucks. The upward tendency of zinc is an incentive to the large production of the metal. John Boyle, who is one of the largest shareholders in the company, as well as the manager, has been getting the mines in shape to make a large production the past year, and recently opened a fine body of ore in the old Tub property. Heretofore the Tub could produce only milling ore, but the new find shows high grade shipping ore. The two mines could ship thousands of tons of ore of medium grade, but smelter requirements are for better than forty per cent ore. At the present price of zinc a lower grade ore would not pay.

About 75 men are at work on Golconda with trucks carrying ore and concentrates to railroad night and day. Two big cars go to smelter daily. The mine has improved so much the last 200 feet of sinking that heavier rails are being put in for deeper exploration. The real mine is just being found below. John Boyle will soon be the second mine millionaire in the county, Chailey Grimes being the first. Mining is the only business that makes millionaires in this neck of the woods. Zinc 5.90, and gathering for another jump up.

Ten dollars seems to us cheap for not referring to the departure of any leading citizen to Needles. This includes any of the lower 5 or upper 10, an alderman's son, or a son-of-a-gun. Hope Sulphide Bill will take no offense at this, as none is intended, he being considered in a class by himself, high grade, like Dynamite Pete.