

# MINES AND MINING IN THE NORTHWEST

EDITED BY  
B. E. St. Charles

## ALICE STAMPS ARE DROPPING

### THE MILL HAS OPENED TO RUN THIRTY DAYS OR LONGER

Chemical Tests Have Been Made on the Ore and Cyanide Process Has Been Recommended—Further Tests Will be Made—Leaching Plant May be Installed—Little City May boom.

Thirty of the 60 stamps in the large mill of the Alice company began dropping on ore today and will be kept in operation thirty days and possibly right along after the expiration of that time. The thirty days run is for the purpose of testing a process for saving the gold and silver values of the ore of the company, and if it proves successful it means the continuous operation of the plant and the crushing of 150 tons of ore per day.

During the last six weeks the company has had a well-known chemist experimenting with the ore in this city and the result of the tests made by him has demonstrated that the gold and silver it contains can be saved by the cyanide process. These tests, however, were on a small scale and it is now the intention to make others of a more practical nature. It is an easy matter to separate gold alone from rock or silver either for that matter, but chemists have always found it difficult to save both metals. The ore of the Alice and many other claims in the Butte district carry gold and silver combined. This ore will not pay if worked for the silver or gold alone, but it will yield handsome returns if both metals can be saved to a good average percentage. The process by which it is almost certain both can be saved is the one the company is now testing. It was used on the ores of the Comstock with perfect success, and those in position to know say that the ore of the great Virginia City veins was much harder to treat than will be that of this section. The ore to be treated is what is called oxidized, which is found above the water level. There are millions of tons of it in the Alice company's properties alone, the Alice, Vol-demere, Magna Charta and other mines

owned by the corporation being full of it. It has a value ranging from \$4 to \$30 per ton. By the new process it can be treated for \$5 per ton. As there is very little that will not yield more than this it can be readily seen that if the practical test now under way is as successful as those to which the ore has been recently subjected the hill city will again blossom as the rose. For the purpose of the test the pans and settlers in the mill are being used as vats, but at the end of thirty days the test has proven successful a leaching plant will be built.

The company has sent some of its ore to Belgium to be tested, but it is just possible that before returns are received from it the problem of saving the gold and silver together will have been solved here.

The mines of the company are in first-class shape and operations in them can be resumed on a day's notice. About 75 men have been working them under lease right along and keeping the stopes, levels, crosscuts and shafts in good repair.

If the test of the oxidized ore turns out all right the Lexington company will doubtless turn itself loose on the vast reserves of this class of ore which the levels of its mines contain. Not only the Alice and Lexington property will be worked, but hundreds of other claims in the vicinity of the Alice and Lexington possessions owned by individuals will be developed, as both corporations will buy a vast quantity of custom ore.

## BLACK EAGLE HAS \$75 ORE

### The Shaft is 40 Feet Deep and the Two and a Half Feet Wide.

The Whitehall Zephyr says that Henry Schmidt has made a bonanza strike on his quartz claim in St. Paul Gulch, four miles northeast of town. The claim, known as the Black Eagle, has been developed to a depth of 40 feet. At this depth the walls, which are of slate, are nearly 20 feet apart being filled in with gangue matter upon one side of which is a vein or ledge of gold-bearing quartz 2 1/2 feet in width, assaying \$75 per ton. Greater depth will, doubtless uncover greater width of pay rock, but it is the find is a good one and promises a bonanza.

### The Gold Hill Mine.

Messrs. H. I. Wilson, Frank Wilson, and a number of their associates paid a visit to the Gold Hill mine Sunday, and after a careful exploration of the mine under the guidance of Supt. O'Neil, expressed themselves as highly pleased with the condition of the mine. As this company has an option on the Bonanza Fraction, which adjoins the Gold Hill on the east, another big mining deal may be expected at an early date.

## VEIN IS NOW 4 1-2 FEET WIDE

### The Homestake Company Will Make a Shipment of Ore to Butte.

Charles Stroubridge, manager of the Brown's Gulch Homestake company's group of claims, came into the city Saturday and reported that the vein of the claim on which the company is doing its work has widened to four and a half feet. The ore, he says, is richer than ever. The shaft has attained a depth of 195 feet, and although there is some water the flow is not sufficient to prevent the pumps from handling it without the least trouble. The water level was reached at a depth of 150 feet. At the 170-foot mark the ore returned an assay value of \$196 in gold per ton. The new machinery, recently installed, is working to perfection.

The stock was quoted at 25 cents per share a short time ago, but it cannot be touched for 75 cents now. In fact there has never been very much of it for sale. It is the intention of the company to make a shipment of the ore to this city in a short time.

## H. L. FRANK'S COAL MINES

### They are Yielding 700 Tons Per Day—Will be Giving 1,000 by January 1st.

Hon. H. L. Frank returned last Friday night from a trip to his coal mines at Frank, Alberta, Northwest Territory, and brought with him some information concerning his property.

"It is wonderful—too great to talk about," said he in answer to a question as to the extent of his property. "We have a 16-foot vein of high grade, bituminous coal of an excellent grade for coking. The vein is developed by two tunnels, one of which is 1,050 feet long and the other 960 feet. We are now shipping about 700 tons per day, but by January 1st it will have been increased to 1,000 tons, exclusive of the quantity used for coking. It is our intention to build 250 coke ovens and with this object in view have ordered a consignment of fire brick, which is now on the way there. The output of the mines will be increased from time to time. At present we are working 100 men, but when the equipment is all in place the number will be about 400.

"Frank is becoming quite a town," continued Mr. Frank. "We have erected 25 cottages for the miners and are putting up 25 more. We have a \$10,000 hotel, a postoffice and townsite in as pretty a location as one would wish to see. I took Mark Drum from Butte with me and put him in charge of the office. He likes the place very much."

## BUTTE MEN BOND CLAIMS.

### They Gobble the Philippine Group in the Judith Range—Other Groups Bonded.

A special from Lewistown to the Helena Record says that a thirty day option for a bond on the Philippine group of claims on Armells creek, on the north-west slope of the Judith range, was given Aug. 9 by Anderson, Meddith & Rhodes to R. S. Edwards, representing the interests of several Butte mining men. The option is for a bond for \$100,000 payable in one year. The group consists of seven claims, all of which were located during the past spring and have as yet but little development work, but at various places large bodies of cyanide ore has been exposed at the surface in favorable locations. Tests to verify the value of these ores are now in progress and if they prove satisfactory, development work will begin at once.

A bond on the Waldorf-Astoria group in the North Moccasin district was executed Aug. 10, by the syndicate of local capitalists, which has been operating the properties the past several months, in favor of John E. Price, representative of D. H. Moffat and other Denver capitalists. The price is \$250,000, the time limitation being two years. The first payment is to be made at the end of six months, with payments each succeeding six months.

The Waldorf-Draper group consists of three claims on the mountain not more than a fourth of a mile above the town of Kendall and lying immediately between the King-Barnes mines on the north and the Kendall mines on the south, joining both of these groups. They were bonded in April for \$45,000 by a syndicate composed of local capitalists and since that time steady development work has continued with the result that bodies of fair grade cyaniding ores have been exposed at various places. Although some very fair grade ores have been found it is thought that a better grade will be found by sinking and the new company will install hoisting plants and begin sinking two shafts 300 feet or more. These shafts will be at the base of the mountain and from the bottom of them drifts will be driven into the hill to tap the ore at a greater depth.

## AYERS IS A WARM NUMBER

### He is Held Responsible for the Snowy Mountain Stampede After Copper.

The Great Falls people who felt some few thrills of excitement over the alleged discovery of mountains of copper and gold in the Snowy mountains, in Fergus county, by one George Ayers, may thank the second judgment which kept them at home during the time that hundreds of men were rushing headlong for the Monte Christo district, says the Great Falls Leader.

Perhaps one reason why there were no stampedees from Great Falls, is that there a number of people here who know Mr. Ayers, and their knowledge of him was such that they hardly felt justified in making any move in the matter until the find had been further investigated. The latest from the fields show the whole stampede to have been a fake of the rankest kind, without even a chance for its being the truth. Ayers is a shiftless sort of a young man who works at punching cows and doing odd chores about the ranches of the lower end of Fergus county, and a couple of weeks ago he came to the store keeper at Harlowtown and displaying a shot bag full of globules of copper, stated that he had found them in the bed of a stream

in the Little Snowies and that he would direct the store keeper there if he so desired. The store keeper was glad and after having had the copper melted and sampled, he threw a number of alcoholic drops into the cowboy, and with great secrecy they started into the hills during one of the darkest nights which could be produced. For eight weary days the cowboy, the store keeper and the supply of alcoholic drops wandered up and down the slopes and landlides of the Little Snowies and at last the store keeper saw light and returned home weary and disgusted.

In the meantime the news of the mysterious disappearance and the assay of the copper globules from Great Falls flew from mouth to mouth, growing on the way, until at last all of the population for 100 miles around had taken to the hills looking mysterious and carrying location notices. People came from Butte and Helena even, and the obliging manner of the jerkwater road which runs from Lombard to Harlow, was in clover.

But the pipe went out when the store keeper returned and now there is nothing but grief for the men who chased the rainbow. At last accounts Ayers was still in the mountains in company with some local gentlemen, and there are several hundred other people who are awaiting his return for the purpose of tendering him some kind of a testimonial of their regard. A day or so after Ayers and the store keeper took to the hills, the lady at whose home Ayers had been working, missed a shot bag of copper specimens which had been sent her by her brother in Great Falls, and there was waiting and gnashing of teeth. The brother had worked for the Boston & Montana smelter for the past two years and during that time had sent his sister a number of copper specimens of all kinds, which the lady had kept in a bag as curios, and which it was evident that Mr. Ayers had run across. When the store keeper came home, the lady mentioned the loss of her bag of copper specimens from Great Falls, and as she had quite a number left, they were shown to the store keeper and one or two others and they fitted the case exactly; then the store keeper dug up a few of the specimens of copper found by Mr. Ayers in the heart of the Snowy mountains, and they were found to be some of the specimens which the brother from Great Falls had sent to his sister during the last two years. The remarkable part of the whole story is the ease with which everybody hit at the fake and hastened to accept the story of the mountain of copper and gold as found a la Ayers.

## MINING APPLICATION NO. 4322.

United States Land Office, Helena, Montana, August 15, 1901.

Notice is hereby given that John Hopkins and the heirs of John Hoyland, by Elizabeth Hoyland, administratrix, whose postoffice address is Butte, Montana, have this day filed an application for a patent for 368.3 linear feet, the same being for 47 feet in a southeasterly and 221.5 feet in a northwesterly direction from the point of discovery, on the Lily Fraction Lode Mining claim, situated in no organized mining district, Silver Bow county, Montana, the position, course and extent of the said mining claim, designated by an official survey thereof as Survey No. 624, Township No. 2 North, Range No. 7 West, a notice of which was posted on the claim on the 6th day of August, 1901, and being more particularly set forth and described in the official field notes and plat thereof on file in this office, as follows, to-wit:

Beginning at the N. W. Corner No. 1, where is set a porphyry stone 4x6x20 inches, 15 inches deep, marked 1-6274, for Corner No. 1, from which the N. E. corner to Section No. 17, fraction T. 3 N., R. 8 W. bears N. 45 degrees 49 minutes W. 511.5 feet distant, and running thence S. 13 degrees 45 minutes E. 12 feet to Corner No. 2; thence S. 45 degrees 15 minutes E. 550 feet to the S. W. Corner No. 3; thence N. 71 degrees 33 minutes and 25 seconds E. 12 feet to the S. E. Corner No. 4; thence N. 13 degrees 45 minutes W. 441.5 feet to the N. E. Corner No. 5; thence S. 80 degrees 30 minutes W. 239 feet to Corner No. 1, the place of beginning, containing an area of 1.57 acres in this survey, claimed by the above-named applicants for patent.

The location of this mine is recorded in the office of the Recorder of Silver Bow county, on Page 502, in Book "I" of Lodes.

The Lily Fraction lode is bounded on the north by Survey No. 4554, the Rory O'Moore; on the east by Survey No. 1593, the Lillie, and on the southwest by Survey No. 1516, the placer claim of Charles Wilson et al.

GEORGE D. GREENE, Register.

JOS. H. HARPER, United States Claim Agent. (First publication August 14, 1901.)

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## Sample Rockers

- Sample No. 11.—Large wood seat rocker, polished finished, golden oak, carved back, fancy turned rounds; was \$4.00 ..... Price of sample \$2.85
- Sample No. 12.—A cobbler seat rocker, high back and easy arm; was \$3.00 ..... Price of sample \$1.85
- Sample No. 6.—High back, large arm, upholstered spring seat, polished oak frame; was \$8.50 ..... Price of sample \$6.00
- Sample No. 7.—Fancy oak frame rocker, leather cobbler seat, highly polished; was \$7.50 ..... Price of sample \$5.00
- Sample No. 8.—Cobbler seat rocker with leather back, nicely carved, antique finished frame; was \$6.50 ..... Price of sample \$4.00
- Sample No. 9.—Veneered easy seat rocker, curly birch frame, polished mahogany finish, fancy turned spindles; was \$7.00 ..... Price of sample \$4.50
- Sample No. 10.—Upholstered pantasolet seat and back, golden finished frame; was \$7.50 ..... Price of sample \$4.75
- Sample No. 2.—High back, golden polished oak frame, leather upholstered spring seat; was \$11.00 ..... Price of sample \$7.75
- Sample No. 2.—Fancy parlor rocker, back upholstered with velour, tufted cushion seat; was \$18.00 ..... Price of sample \$12.50
- Sample No. 4.—Morris chair, the most comfortable and easily adjusted reclining chair; was \$16.50 ..... Price of sample \$11.50
- Sample No. 5.—Fancy parlor rocker, polished mahogany frame, figured tapestry upholstery; was \$8.00 ..... Price of sample \$5.00

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Every customer who has been fortunate enough to get one of our fine suits at \$11.95 should now get an extra pair of trousers for \$2.90, merely the price of cottonade or jeans pants.

At \$11.95—The remainder (about 100 suits) of our spring and summer stock will be sold, until all are gone, for \$11.95.

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The first Tuesdays in August and September, Northern Pacific railway will sell round trip tickets to Buffalo with sixty days limit at rates of \$44.50 and \$46.00 for the round trip. For further information call on or write, W. H. MERRIMAN, Gen'l Agt., N. P. Ry., cor. Park and Main Sts., Butte.

Montana State School of Mines. The second school year of this institution will open Sept. 10, 1901. Important additions are now being made to its cabinets and equipment. Four year courses are offered in mining and electrical engineering. Tuition free to residents of Montana. For further information call on or address N. R. Leonard, President, Butte, Montana.

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This week of fine leather goods with sterling silver mountings. The silver mountings will be free this week only.

There are still some of the handsome souvenir pocketbooks with a picture of the Anaconda mine burned in the leather. This line will be sold this week at one-third off the usual price.

For the first time we have been able to secure a large quantity of high-grade imported perfumes in bulk, which usually come in fancy packages. These perfumes can now be purchased in any quantity desired, and the ladies are invited to call and sample them.

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