

# MILLS AND MINES

## NEW MILL FOR THE ONTARIO CO.

Will Be Erected Close to No. 3 Hoisting Works.

A. D. MOFFAT TO BE IN CHARGE

PLANS ARE COMPLETED AND WORK WILL SOON BEGIN.

Plans are now practically completed and within the next few days, or early in the coming month, the Ontario Mining company will begin the erection of a mill to handle the great masses of second-grade ores which have been developed in the lower levels of that famous old dividend-payer. Information to that effect was released by General Manager C. L. Food upon his return to the city from a trip south yesterday. The maximum capacity of the plant has not yet been decided upon, but Manager Food said that no matter what its initial capacity might be it should be constructed on the unit principle so that it could be changed at any time with little additional cost and at no loss of time.

The mill will be erected at a point close to No. 2 shaft, through which wires to keep it running will be raised. Electric power will be used to run it and the equipment will be as nearly automatic as it will be possible to make it. The device to be used in the separation of the metals from the gangue in the ore will hardly include anything revolutionary in character, though the present method of recovering the largest percentage of value at a minimum cost is one upon which the management has been working since the first of the year, so that the new methods to be employed has been tried to the utmost.

Alexander D. Moffat, who operated the old Ontario mill during the days when the character of the ores from the mine were changing from what was termed the "free mill" to the baser sulphides, and who saw the old mill hauled up on account of its inability to handle the new ore, will supervise the construction and equipment of the new plant and run it when it is ready to go into commission a few months later. He has just resigned his position as general superintendent of the great Bimetalle hill at Granite Mountain, Mont., to come back to his first love, and the company is to be congratulated upon having secured his services. He will take hold on the first day of next month, one week from today.

When Mr. Moffat left Park City to take charge of the Bimetalle plant the ores there had become so base and refractory that it was found impossible to handle them at a profit. He suggested the changes that he knew must be made before the plant could be successfully operated, and while metallurgists all over the country were predicting his downfall, he has never been wrong about his business, made the changes and today has one of the finest milling plants in the entire western country, making big money on ore which it was thought could never be concentrated. To treat successfully the base ores of the Ontario will be child's play to Mr. Moffat in comparison to the problem which he has had upon to solve at the Granite Mountain.

In the erection of the new mill as much of the equipment of the old plant as can be used in the new, so that first costs will be materially reduced. With the completion of the plant the mine will be thrown "wide open" again and, as the large volume of milling now begins to move to the mine, no small amount of first-class will necessarily have to be broken down, also. By the first of the coming year the Ontario should be in full swing and earning good money again.

### LOOKING AFTER OIL INTERESTS.

Simon Bamberger and J. D. Wood Begin New Work in California.

Of the business which has been holding Messrs. Simon Bamberger and J. D. Wood at Los Angeles so long, and who were expected to reach here again last night, the Los Angeles Times of Wednesday has this to say:

"After a thorough examination of the property of the Salt Lake Oil company, located in local territory, Simon Bamberger of Salt Lake, president of the concern, has decided to begin developments that will be of interest to operators in the home field. He has announced that work will be started at once on the company's property and that several thousand acres will be expended in carrying out plans already made.

"This property is situated in what is known as the southwestern extension of the home field, lying a mile or two southwest of the Country club. The company has acquired several hundred acres that, owing to the great gas pressure in that end of the field, are flowing over the casing. The oil is a light gravity, and as the market has gradually improving the company will increase its capacity as soon as possible and make improvements, including the construction of a new light well, which will be used to market its product to greatest advantage.

"Mr. Bamberger, now in the city, besides being owner of the same, is also one of the largest owners of the Salt Lake & Ogden railway, is identified with some of the most important mining propositions in Utah and southern Nevada. He is the owner of the Bas, Berger-De Lamar mine in southern Nevada, which he purchased from Captain De Lamar nearly a year ago. On this property machinery has been installed that gives a capacity for handling 500 tons of ore a day. He is also one of the largest owners of the Park-Wash mine at Park City near Salt Lake. This property has paid \$108,000 in dividends each month for several years.

"In speaking of the local oil property yesterday, Mr. Bamberger said: "I am greatly pleased with the showing in the local field, and especially with our property, which we called upon to make some improvements. We will first install drilling rigs for five new wells, and our intention is to keep that many rigs in operation as long as we have. We have also completed arrangements for the installing of a pumping plant of the most improved style. Gas from the wells will be used as fuel. Its capacity will be at least fifteen wells.

"It was our intention to install a refinery, but this plan we have given up for the present, as there is a good market for light oil, and at present a good demand for the same."

Mr. Bamberger is accompanied by J. D. Wood of Salt Lake, vice president of the company. Mr. Wood is also one of the largest oil raisers in Utah. Both will leave today for San Francisco."

### NEWHOUSE COMPANY MOVING.

Campaign at Cactus Being Rapidly Rounded Into Form.

After getting in touch with the big concerns that will be called upon to supply much of the material that will enter into the construction of the New-

house Mines company's mills, smelters and other works at Newhouse, Beaver county, Manager A. J. Bettles returned to his desk again yesterday. During his trip the ten miles of fourteen-inch steel pipe which is to convey water from the Wah Wah springs to the new town was purchased by Mr. Bettles and he expects to begin arriving on the ground before the long trenches are ready to receive it, although the work of grading and ditching has already commenced.

In the meantime the surveying of the new townsite, smelter and millsites are progressing and the coming month will see much activity at the scene of operations.

M. M. Johnson, under whose management the mine is being opened up, returned from camp yesterday morning and will probably stay for two or three days to report, a strike of sufficient importance to justify its wide promulgation was recently made in the Bingham Consolidated. Through the wonderfully large body of lower grade material it is said that a streak of high grade copper ore, ore some of which carries 20 per cent in the red metal, was opened up in cross-cutting from the Armstrong tunnel level.

### COLORADO FUEL & IRON.

Company Said to Have Anticipated Invasion of Utah by New Crowd.

A Boston paper's New York correspondent explains what is going on with reference to C. F. & I. movements in Utah as follows:

"The Colorado Fuel & Iron company seems to have anticipated the recent incorporation of a company to build a rival steel plant in Utah by acquiring valuable tracts of Utah iron ore land.

"These acquisitions are in the immediate vicinity of the Iron Mountain district in southwestern Utah, and they are said to include a total of at least 25,000 acres.

"Mining engineers who have very recently investigated the southwestern Utah district, which it contains a very large amount of iron ores of very fair quality and easily mined. It is largely non-Bessemer and the question of transportation is an important one.

"The ores will have to be taken either to Salt Lake for the trade west of the Rockies, or to Pueblo for that in the section east of the mountains.

"Plans have been contemplated for an extension of the Rio Grande Western southwesterly from a point on its main line to the ore region, so that the Colorado Fuel & Iron company may have direct access to the ore fields.

### BRINGING THE VIRTUE OUT.

Arthur Buckbee Making Record at the Property.

According to Friday's Baker City Democrat, Arthur Buckbee is rapidly getting things in shape at the old Virtue property to have it re-enter the lists of big producers. Of the mine and its handling by Mr. Buckbee the publication says:

"The old Virtue mine, without any display of fireworks on the part of its present owners and management, is fast taking its place again amongst the big mines of the west. The new triple-compartment shaft which Man- Moore is sinking to the level of about three months ago is now down about four hundred feet. The shaft house is equipped with everything modern in the way of machinery for present uses, and yesterday W. H. Potter, the well known millwright, arrived in Baker City from Silver City, Ida., where he has been engaged for the past few weeks in taking care of the big hoist at the Cumberland mine, which has been purchased by the Virtue. This machinery weighs about 125,000 pounds and is being hauled to the mine and erected in the new shaft house.

"Manager Buckbee was in the city yesterday and when questioned confirmed the above report.

"The Democrat a few weeks ago published a complete history and outline of the district that within two years during the sinking of the new shaft, which will then open up mining below the water level on modern principles. The ore bodies recently discovered are of astonishingly sufficient ore for operating expenses during this great development work. It is the consensus of opinion of those familiar with the property and the bottom of the mine that within two years the greatest mining results will be recorded in the Virtue district."

### E. & F. OPERATING TUNNEL.

Rich Copper Ledge Will Soon Be Tapped at 500 Feet.

Another carload of high grade copper ore from the E. & F. company's Pioche property was released from the sampler yesterday and will be sold on tomorrow's market. During the past month or two several carloads of ore has been marketed from this promising property and the copper ore has been averaging better than 25 per cent of that metal. Not a pound of ore has yet been stopped, but Col. A. C. Ellis says that with the completion of the tunnel, which was recently started to tap the ledge at a depth of nearly 500 feet on its dip, operations will be carried on with greater vigor. To reach the ledge the work will need to be a distance of only 150 feet. When connections are made the vein will be opened about 125 feet deeper than the bottom of the mine shaft through which the ore is now coming.

No great effort has been or will be made to crowd production pending the building of a railroad to camp. Relief in this line, however, is confidently expected within the next twelve months.

### WEEK'S METAL PRODUCTION.

Custom and Company Smelters Make a Fine Showing.

Settlements in the local ore and bullion market during the past week, notwithstanding the holiday, reached the comfortable figure of \$311,818, yesterday's proportion of the total being \$89,806, as follows: Silver, lead, gold and copper ores, \$37,200; base bullion, \$43,600.

During the same period the copper smelters forwarded bullion carrying, in addition to the red metal, gold and silver, requiring eleven cars to

haul. The consignments were divided as follows: Bingham Consolidated, three cars, 150,444 pounds; United States, three cars and 153,673 pounds; Utah Consolidated, five cars and 292,000 pounds. Of the output of the American company's furnaces for the week about 300,000 pounds were copper, thus making the total copper production for the week 926,023 pounds. The American company's product goes forward in the form of matte carrying about 50 per cent copper. About 1,200 tons of this matte is made every month, sometimes a little more, sometimes a little less, but that is about the average amount produced. It is from these figures that the conclusion is drawn that the company's production of copper approximates 300,000 pounds per week.

Every smelter in the valley is now running like clockwork and the amount of ore being handled is greater than any previous time in the history of the industry in Utah.

### BINGHAM ORE MOVING.

Copper Belt Line Will Soon Be Handling 4,000 Tons Daily.

(Bingham Bulletin.)

The grade for the lower extension of the Copper Belt road, three-fourths of a mile in length, is now all opened up and work is progressing rapidly. Considerable cribbing will have to be done on loose rock slides along the side hill. The grade should be ready for track-laying by August 15.

Twelve carloads of timbers for trestles are in transit. Along the line there will be three trestles, in all 600 feet in length.

Engineers were yesterday running lines high up on the point at the mouth of Carr fork. Materials for three camps along the upper end of the line, and a gang of graders should arrive this morning, when dirt will at once begin to move. It is the intention to have 150 to 200 men at work as soon as possible. The upper extension will cover two miles in length.

When the road is complete it will handle upwards of 4000 tons of ore a day largely from the Iron Mountain and Yampa mines—the latter continuing its delivery to Bingham Co. smelter under arrangement calling for 30,000 tons. When in full operation the road will be using three engines, an order having been placed for a large new one, and trains will then be passing to and fro through the canyon every half hour.

### CON. MERCUR AFFAIRS.

Slime Plant Will Start About Aug. 10—Dividends.

Having satisfied himself that everything was moving as rapidly as could be expected at the big plant of the company where the Moore slime treating plant is being installed, manager George H. Dern returned from the Con. Mercur Friday night. He says it seems quite certain that the new process will be in operation by Aug. 10th. The mine, he says, is looking better all the time as the ore bodies in virgin territory are exposed to view.

It is expected that regular dividends of \$20,000 per month will be declared in order again next month, the distributions to commence in September. The big mill has been running all the time since the installation of the Moore process was begun, and there is no doubt that the dividends will be now about in shape for a long and uninterrupted career as a dividend payer. It is even greater merit than it has been.

### GOLD MOUNTAIN LEVEL.

More Work Going on Than at Any Previous Time.

John Moore, who, like Willard F. Snyder, was wearing out shoe leather in the Gold Mountain district at a time when capital concerns in the west were sending their representatives into the camp to size up the stories which were being sent out, came up from the district yesterday and says that what require his presence here several days.

No sensational strikes have recently been recorded in the camp. Mr. Moore says that the new shaft, when so much work was being done with the same uniformly good results. Companies are opening up blocks of the ground in several places in the district and individual claim owners are crowding the season's campaign of development and assessment work on all sides.

The Sevier Consolidated company, as told a few days ago, is rapidly getting its new mill completed and within a short time gold bullion will be coming from the retorts at the new plant.

### FROM NEW GOLD FIELDS.

P. J. Donohue Returns From the Snake Creek Region in Northwest.

P. J. Donohue, chief of the Western Exploration company's corps of experts, returned yesterday from a trip to the new Snake Creek gold region of Oregon and Washington, which lasted nearly a month. Mr. Donohue says he wore out more than one pair of overalls in traveling and staying around over the glaciers that abound in that little known and less understood section. He went in there in the interests of eastern people and says that the fact that he brought out a great many samples of the ore said to be gold bearing, he will have nothing to regret for publication here. He admits having made a hard trip and says that at times it seemed as though he must have been somewhere in the neighborhood of the north pole, so cold was it.

Mr. Donohue expects to leave for the south within a day or two on another trip.

### Boston Stock Sales.

(Special to The Herald.)

| Stock      | Sales | Open   | High   | Low    | Close  |
|------------|-------|--------|--------|--------|--------|
| Amal       | 4,691 | 24 1/2 | 25 1/2 | 23 1/2 | 23 3/4 |
| Bingham    | 29    | 21 1/2 | 21 1/2 | 21 1/2 | 21 1/2 |
| Daily West | 116   | 38 1/2 | 38 1/2 | 37 1/2 | 38 1/2 |
| Mercur     | 10    | 29 1/2 | 29 1/2 | 29 1/2 | 29 1/2 |
| Utah Stas. | 189   | 17 1/2 | 17 1/2 | 17 1/2 | 17 1/2 |
| Utah       | 1,945 | 23 1/2 | 23 1/2 | 22 1/2 | 23 1/2 |
| Boston C.  | ..... | .....  | .....  | .....  | .....  |

### Bingham Mining Notes.

(Bingham Bulletin.)

Very high grade gold-silver ore has just been encountered in the upraise in Highland Boy Consolidated ground to settle the apex dispute.

Bingham C. & L. teams are still hauling ore from the Yampa for the Bingham Consolidated smelter at the rate of two carloads a day.

Two cars of mixed carbonate are being hauled from Herriek's Yosemite lease, also one from the Matt Richardson lease—all to be down by Monday.

Development work is soon to be resumed on the 550 level of the Lark vein, which, after having been flooded for several years, has now been drained by the Masco tunnel.

Engineers are at work on the site for the Utah Copper company's (Wall-De Lamar) 500-ton concentrator, and it is expected to be completed by Monday a few days. Colonel Wall and Engineer Frank Janney were looking over the ground yesterday. Colonel Wall also inspected new developments in the Kempton.

Manager A. L. Jacobs of the Butler-Liberal has postponed his expected trip to Europe as L. U. Gobath, owing to other engagements, will be unable to look after the management during his

absence. This news is likely to move the Butler-Liberal's row to a renewal of their midday prayer meetings.

### Metal Market.

Silver, 54 1/2 per ounce. Copper, 13 1/2 per 100 pounds; New York, \$13 to \$13 1/2 per 100 pounds; New York, \$13 to \$13 1/2 per 100 pounds; New York, \$13 to \$13 1/2 per 100 pounds.

### Mining Notes.

J. W. Langley expected to leave for Portland, Ore., on mining business last evening. He will be gone several days. Robert Cook came in from Bingham Friday night, after having made a re-inspection of a property in the interests of the Bingham Consolidated.

E. P. Jennings, general manager of the Ryan-Kimberly syndicate's mines down across the line into Arizona, is home again for short time.

Simon Bamberger, Manuel Hirsch and J. D. Wood, who have been enjoying a trip to the Bingham Consolidated, have returned to the city.

Transfer books closed yesterday on the Sacramento company's 5c dividend aggregating \$5,000, to be passed around among the shareholders on Saturday next, August 1st.

J. H. Teller, a brother of Senator Teller, of Pueblo, Colo., is over from camp enjoying a vacation and visit to relatives and friends. He will likely be here for ten days or so.

Receipts of the Taylor & Brunton sampler yesterday amounted to twenty-six carloads of ore, divided as follows: Utah, 14; Colorado, 6; Idaho, 2; Nevada, 2; Idaho, 1; and Cisco, Utah, 1.

Robert Brown, foreman at the Centennial mine, who had been in the mine the other day, was in from camp yesterday consulting an oculist. The injured member, he expects, will be all right again in a few days.

D. C. Jackling, general manager of the Utah Copper company's property, came in from Colorado yesterday afternoon to get details arranged for the building of the company's big concentrator at Bingham.

C. A. Finley of Cisco, in the La Sal region, has a consignment of ore on the market which, if returns prove satisfactory, will be followed by regular shipments. The ore came was not obtainable at the end of the line.

R. H. Marshall, J. C. and J. C. Haymaker, mining operators of Pittsburgh, came in from the East Friday night and yesterday for Marysville property from which they have become identified. They will spend several days at camp.

### IN SOCIETY.

(Continued from Page 3, Section 2.)

delightful lake party on Wednesday to Mr. and Mrs. Axtom, Mr. and Mrs. Leon Bachman and Mr. and Mrs. M. C. Davis. Miss Flora Berg has joined a party of friends in Idaho and will go to Yellowstone Park on Thursday.

The tubercular choir enjoyed itself at a lake party on Tuesday evening. Dancing, boating and a delicious lunch were among some of the enjoyable features of the evening.

Mr. and Mrs. E. E. Corfman gave a lake party on Tuesday evening to a number of their friends.

Mrs. A. O. Woodruff of Salt Lake will spend the summer with her sister, Mrs. Judge Booth.

Mrs. E. A. Wedgwood is the guest of Mrs. Sam Schwab.

Miss Leah Daniels is enjoying herself with relatives in Payson.

Mrs. Reese of Sevier is the guest of her sister, Mrs. David John, Jr.

Mrs. Hy Jensen was a Salt Lake visitor on Tuesday.

George Atkin of Milford is visiting his family in Provo.

Miss Effie Wilson of Salt Lake is visiting Provo friends.

Miss Edna Beck has gone on an extended trip to Salt Lake and Logan.

Miss Grace Berry has returned from Montana.

Miss Isabelle Mopahan is the guest of Misses Beulah and Leola Bachman.

Ed Sparks of Nephi is visiting with Mr. and Mrs. Jensen and Mr. and Mrs. E. Sparks.

Mrs. Edith Martin enjoyed a trip to Salt Lake Saturday.

### LOGAN.

Miss Maggie Green returned to her home in Layton this week after an extended stay with Logan friends.

President W. J. Kerr of the Agricultural college returned this week from a visit to Boston and other eastern points.

Mrs. F. J. Marshall spent the week with friends in Layton.

Mr. and Mrs. W. W. Cluff, Jr., of Salt Lake City, came over on Saturday and in company with W. B. Preston, Jr., and family spent the week in the mountains.

Professor J. C. Thomas, late from Harvard university, came over from his home in Paris, Ida., this week to visit with Logan friends.

Mrs. D. H. Thomas is visiting in Provo. She is the guest of her sister, Mrs. Alex Nibley.

Oscar W. Moyle and family came up from Salt Lake this week on a visit to friends.

E. B. Disbro of Baltimore was in town Wednesday and Thursday.

Mrs. Joseph W. Thatcher of San Francisco is expected here today on a visit to the city.

Mr. and Mrs. J. W. Hyde returned to their home in Baker City, Ore., this week, after spending several weeks with friends here.

Dr. J. A. Thompson of Muscatine, Ia., is the guest of his nephew, A. H. Thompson, at the latter's home in Logan.

Dr. J. A. Thompson is out on a tight seeing tour and after leaving here went out into the northwest.

Mr. and Mrs. Cartwright returned from Salt Lake yesterday, after an extended visit with friends here.

Mr. and Mrs. Bert Needham of Salt Lake returned to their home yesterday after spending a week with friends here.

B. J. Huffer of Los Angeles is visiting friends in this city.

### MARRIAGE LICENSES.

John O. Robertson, Salt Lake.....43

Jennie Banks, Salt Lake.....23

Thomas Carline, Salt Lake.....23

Sarah Broker, Mercur.....23

Myrtle Egan, Salt Lake.....23

Jennie Drayer, Salt Lake.....23

Charles L. Morgan, Salt Lake.....23

Anna E. Fredrickson, Salt Lake.....23

Andrew C. Biven, Mill Creek.....23

Antie F. Keller, Millford.....23

John C. Porter, Ouray, Colo.....23

Ruth E. Clayton, Salt Lake.....19

William Willis, Ogden.....21

Lady L. Harvey, Salt Lake.....21

Samuel I. Rice, Sioux City, Ia.....23

Nellie Egan, Salt Lake.....23

Earl L. Wilson, Salt Lake.....23

Esther Miller, Salt Lake.....23

Myrtle Egan, Salt Lake.....23

Sylvia G. Mitchell, Bingham.....10

Thomas W. Boyle, Mill Creek.....23

Clara Greenwood, Sandy.....23

William T. Bess, Los Angeles, Cal.....23

May Raymond, Los Angeles, Cal.....23

Levi N. Kilworth, Park City.....23

Mary Tenant, Riverston.....23

E. H. Charlton, Salt Lake.....23

H. Spitz, Washington, D. C.....23

James P. Donovan, Ouray City, Colo.....23

Jennie Banks, Salt Lake.....23

Anna Minor, Salt Lake.....23

George Egan, Salt Lake.....23

Myrtle Hansen, Salt Lake.....23

Osmond Card, Salt Lake.....23

Clara Greenwood, Sandy.....23

C. W. Townsend, Salt Lake.....24

Lee Bradley, Poplar, Cal.....24

Charles W. Peters, Salt Lake.....24