

MINING, BUSINESS AND STOCKS

METAL OUTPUT OF UTAH MINES

Twenty-Four Million Dollar Represented by Production For 1908.

PRICES BETTER LAST YEAR

Producer Not Met With the Favorable Market Which Prevailed In 1907.

The following table shows at a glance Utah's metal output for the year 1908, up to date. The value of all metals produced by the many mines of the state is shown to be \$24,237,979.

Table with 2 columns: Metal type and Value. Includes gold, silver, lead, zinc, and copper.

MORNING ON CHANGE.

Table with 3 columns: Stock name, Bid, and Asked. Lists various stocks like Adelle, Ajax, Albion, etc.

CONCENTRATES

Table with 2 columns: Concentrate name and Price. Lists items like Iron Hat, King Coal, etc.

MORNING SALES

Table with 2 columns: Item and Price. Lists items like Black Jack, Carls, etc.

IF YOU WISH to buy or sell

stock in the Utah-Idaho Sugar Company call and see us. Our price is the fair market price the day your order reaches us.

GEORGE M. CANNON CO.

Rooms 512-513 Templeton Building, Phone Bell 57.

This Morning's Metals.

Table with 2 columns: Metal type and Price. Lists Silver, Cathodes, Lead.

NEW YORK QUOTATIONS.

Table with 2 columns: Metal type and Price. Lists Lead, Copper.

BEAVER CARBONITE GOOD.

Undermining of Old Stopes Proves Good Policy as Results Have Followed.

The report brought to the city yesterday by Manager Grant Snyder of the Beaver Carbonite Mining company shows work to be progressing in the most favorable manner imaginable on that property.

During the early part of the year work was commenced on a 700-foot shaft from the bottom of which drifting to the eastward was commenced for the purpose of undermining the ancient stopes which in the past had returned such good profits.

Nothing New in Plans of New Smelter Combination, and Nothing To Worry Over.

New York, Dec. 19.—According to the best informed people here, in the matter of the present smelting and refining building plans, the meeting of the representatives of copper interests, for the purpose of establishing a copper statistical bureau, has nothing to do with the formation of the new combine, and the planning of one and the carrying out of the other arrangement, is purely a coincidence.

President Daniel Guggenheim of the American Smelting and Refining company, yesterday gave out a statement to the effect that there was nothing in the published plans of the new proposed competitor for smelting business which need in any way alarm the stockholders in his company.

Mr. Guggenheim denies that there is anything new in the talk of plans of the Ryan-Cole interests with regard to copper mining or copper smelting, as they with a very large percentage of their following, are established in the fact that they should now plan to go into the business on a larger scale is not surprising.

The statement further carries the information that the Guggenheim company controls but one exclusive copper smelter in the United States, and that copper smelting is largely regarded as an annoying business.

Mr. Guggenheim further asserts that 90 per cent of the lead smelting in the United States and Mexico is now controlled by the American Smelting and Refining company, and is established competitors, through ownership of the producing mines, of under long time contracts.

Mr. Spencer Clawson has returned from Placerville, where he went with Anthony Cochran and several other Salt Lakeers to see the Prince Consolidated properties. Mr. Clawson is much pleased with the outlook there, and predicts great things for Placerville in the not distant future.

AN AWFUL MOMENT.

On Christmas Eve at the Crescent Theater. All this week. The greatest picture ever turned out by the Biograph.—A. Judge MAYBE.

FEDERAL APARTMENTS.

A representative of the treasury department of the United States, in the person of W. S. Stevens, is in the city today, conferring with Judge John A. Marshall, Assistant District Attorney, W. M. McCrea, Marshall Smith and Clerk J. R. Lecher, with reference to federal court apartments in the new government building which will be built on the site of the old federal building.

IN AID OF THE BLIND.

Convention to be Held in January in Eagles' Hall.

To help the blind of Utah is the object of a convention for which Gov. Cutler has been asked to assist in providing the convention to be held in the Eagles' hall, Second South and Second West streets, at 7:30 p. m. Jan. 15.

It is hoped that state legislators in considerable number will attend the convention, and that it will result in something being done by the legislature to assist the blind in their needs.

United Mercantile. On Christmas Eve at the Crescent Theater. All this week. The greatest picture ever turned out by the Biograph.—A. Judge MAYBE.

ONE YEAR ON THE HILL.

Burt Gales, R. H. Dahlman and Richard Smith all received Christmas presents of one year each in the state prison at the hands of Judge G. G. Armstrong yesterday afternoon. Christmas presents, for the reason that it is the custom of the judge to hand out sentences ranging from three to five years for offenses similar to the ones on which they were convicted are given to third degree burglars for having broken into the home of William Neal, on West First South street, on Dec. 15. The three men entered pleas of guilty.

Mining Co's Attention.

We repair and rewind burned-out motors. Special attention to out of town business. All work guaranteed. Wasatch Electric Service Co., No. 48 Post Office Place. Bell phone, main 2216.

"DOLPH" WHITNEY & SONS.

Members L. S. Stock and Mining Ex. Ind., 212 Atlas. Bell 1717. Correspondence confidential.

A. S. CAMPBELL.

Stock Broker, 215 D. F. Walker Block.

BONANZA ROCK FROM OLD OPHIR

Lyon Hill Mine Makes Strike Proving Great Extent of Known Vein.

FIRST CAR OF GREAT VALUE.

Management Will Develop at Depth Rather Than Ship for the Present—Mining Plans.

Something of a surprise was developed yesterday when the Lyon Hill Mining company received a settlement from the smelter for a car load of ore which returned 255 ounces of silver, 7 per cent lead and \$120 in gold to the ton. This was a surprise to all but the management who were in close touch with the more recent progress at the mine, as little has hitherto been said concerning the property which has proved the way for knowledge of such values, especially when they are known to exist in such large bodies as the one reported by Manager George St. Clair.

Some time ago a rich body of ore was encountered in a vein being sunk from one of the upper levels, and the list, and very much the larger body of rich ore was encountered recently in the course of tunneling on the 400-foot level to connect the veins in close touch with the more recent progress at the mine, as little has hitherto been said concerning the property which has proved the way for knowledge of such values, especially when they are known to exist in such large bodies as the one reported by Manager George St. Clair.

The width of the vein from which this car of ore was taken is 14 feet, and all good ore, although in sorting for the shipment nothing that would not produce better than 100 ounces of silver was saved.

Manager St. Clair states that shipments could, without doubt, be continued from this vein, the policy of the management for some time to come, will be one of large development rather than of ore shipping.

Among other plans outlined for the future working of the Lyon Hill, it has been intended to make possible the driving of a tunnel to the base of Ophir mountain, which will open the property at a depth of 1,800 feet, the lowest depth so far attained being 400 feet.

BUILDING PERMITS.

The following building permits have been issued: A. J. Smith, one-story brick and steel construction, 400 D. E. B. Isgreen, frame storehouse, one-story, 418 D. E. B. Isgreen, one-story one-room brick dwelling, 127 Thirteenth East.

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On Christmas Eve at the Crescent Theater. All this week. The greatest picture ever turned out by the Biograph.—A. Judge MAYBE.

LEGION ELECTS OFFICERS.

At a meeting of the Nauvoo Legion association held last evening, officers for the following year were elected, as follows: William Calton, president; J. Thomas vice president; William Brown, secretary; William Sanders, assistant secretary and treasurer; John D. Armet and William Newell directors. An interesting meeting was held, the program consisting of short exercises and a dinner. The next meeting is scheduled for the third Friday in January.

FOOT ROT DISCOVERED.

Foot rot was discovered yesterday, among sheep near Grantsville, by government inspectors, in the Brown ram herd, and a proper quarantine has been established. As there are only a few cases, it is not believed there will be any spread of the disease. The infected animals are driven through a trough filled with a solution of carbolic acid, which kills the germ. Where the disease is advanced, affected parts have to be cut away.

John A. Kirby, Rufus K. Cobb.

R. K. COBB & CO.,

Members S. L. Stock & Min. Ex.

MINES STOCKS AND BONDS

17 W. SECOND SO. ST. ORDERS PROMPTLY EXECUTED IN ALL MARKETS.

EDWARD L. BURTON

112 S. 1st South S. L. City

BADGER BROS., BROKERS

100 SOUTH MAIN ST. MEMBERS SALT LAKE EXCHANGE. PRIVATE WIRES.

Direct connections with all markets. Perfect facilities for execution of orders in New York and Boston stocks, Chicago grains and Francisco stocks.

Accounts carried on conservative margins. Loans made on stocks.

WILL SELL

- 5 Utah National Bank, \$100. 2 Commercial National Bank, \$125. 100 Utah-Idaho Sugar Pfd., \$8.55. 100 Utah-Idaho Sugar Com., \$3.25. 100 Utah-Arizona Gold & Copper Mining, \$10. 500 Independent Coal, \$14. 5 Con. Wagon Pfd., \$11.

REAL ESTATE TRANSFERS.

- The following real estate transfers have been recorded this week: C. B. Eyer et al. trustees, to William Lee Johnson, part of lot 7, block 40, plat B. 2500. A. M. Gordon to James Haynes, part of lot 8, block 28, plat D. 900. Esagio Mercantile company to James Haysor, lot 2, block 2, Granite Add. 250. Mary E. Gilbert to Ephraim Johnson, land section 12, township 1 south, range 1 east, block 1. 150. Daniel Kennedy to Margaret Ann Kennedy, part of lot 3, block 47, plat B. 500. Ada B. Moore to Hannah A. Hancock, lot 25, etc., Ehrlich's Sub. 1500. Daniel Newell to J. A. Wilson, part of lot 8, block 118, plat A. 325. Utah Savings & Trust company to Nina Caldwell, lots 4 and 42, block 19, block 19. 5. Joseph Farrell to David Reed, lots 13 and 14, block 7, Forest Dale. 700. David Reed to Benjamin W. Scott, lots 13 and 14, block 17, Forest Dale. 775. Darratt, part block 4, 10-acre plat A. 400. William W. Wood to William A. Wood, part lot 4, block 57, plat 2300. John Wood to William A. Wood, range 1 west, township 2 south, range 1 west. 1. Mary C. Stay to J. C. Stay, land section 28, township 1 south, range 1 east. 1500. H. C. Hoffman to C. F. Ucke, lots 6 and 7, block 1, Columbia. 5. B. Boyce to J. C. Stay, land section 5, township 3 south, range 1 east. 84. August Matson to J. A. Odlin, lot 1, block 1, West Palmer's addition. 5000. E. M. Rader to J. A. Odlin, addition. 500. W. E. Carpenter to C. P. Larson et al., land section 6, township 3 south, range 1 east. 650. Mountain Heights Summer Home Co. to G. R. Romney, lot 5, etc., block 1, Hilltop Park addition. 1. J. L. Whittemore to J. N. Selms, part lot 8, block 26, plat A. 400. Albert W. Wood to J. A. Odlin, land section 4, section 3, township 18 south, range 1 east. 2300. Daniel Newell to J. A. Wilson, land section 28, township 1 north, range 3 west. 2500. Walter Bryson to J. A. Odlin, part lot 4, block 30, plat A. 2150. Houston Real Estate Inv. Co. to J. Henry Temple, Jr., part lot 2, block 11, Hilltop Park. 500. A. Nielson to L. A. Pike, lot 10, block 22, 10-acre plat A. 700. A. Nielson to L. A. Pike, lot 10, block 22, 10-acre plat A. 700. Isabel M. Pitts to E. A. Walton, lot 1, block 20, E. V. Vekroy. 2100. J. M. Child to J. J. Thomas, lot 7, etc., block 2, Thomas subdivision. 250. J. J. Thomas to Mary M. Bjork, lot 7, etc., block 2, Thomas subdivision. 115. Jesse M. Smith et al. to J. E. Senior, land section 4, township 2 south, range 1 west. 5000. Isabella Newbold to J. S. Sillers et al., land section 5, township 4 south, range 1 east. 1. J. A. McQuay to J. A. Odlin, land section 13, plat B. 50. L. A. McQuay to J. A. Odlin, lot 1, block 33, plat B. 50. W. H. Bowers to Annie Standish, lot 1, block 3, plat B. 1400. Aaron Keyser and wife to the A. Keyser Inv. Co., land section 28, township 3 south, range 1 east. 1. R. W. Daynes to J. Fred Daynes, part lot 3, block 8, plat D. 1. J. Fred Daynes to J. Fred Daynes, part lot 3, block 8, plat D. 1. Lucy R. Thomas to Anne J. Robinson, part lot 1, block 7, plat G. 4000. Henry Greenwood to Hubbard Investment company, lot 22, etc., block 8, Oakley. 1. N. W. Schauten, lot 20, block 2, Oakdale. 5. Angus Plow company, lot 7, block 47, plat A. 10. Mrs. B. P. Brown to Charles N. L. H. Rockwell's Sub. 3500. Henry A. McCornick to J. A. Odlin, part of lot 1, block 16, plat A. 31500. C. W. Anderson, lot 2, township 1 south, range 1 east. 200. C. E. Weiler to Frank E. Weiler, lot 1, block 1, etc., plat A. E. B. Neff to Eugenia N. Stokes, land section 27, township 1 south, range 1 east. 1. S. G. Adams to Carrie F. Adams, part lot 1, block 46, plat B. 10. E. H. Anderson to H. H. Folsom, part lot 3, block 125, plat D. 10. E. H. Anderson to H. H. Folsom, part lot 3, block 125, plat D. 10. John Moore to T. A. Moore, land section 22, township 1 south, range 2 west. 5. John Moore to Rose Hoode, land section 22, township 1 south, range 2 west. 5. Paul E. Elkins to John Elkins, part lot 4, block 10, 5-acre tract plat A. 1. H. B. Adams to E. Amundson, lot 40, etc., block 3, South Lawn. 500. Ashton-Jenkins Co. to J. C. Chicago, Utah National Bank, \$25.00. Addition. 400. A. E. Amundson to Minn N. Lawn, lot 40, etc., block 3, South Lawn. 2150.

OHIO COPPER'S GREAT FUTURE

Destined to Be Utah's Next Big Low-Priced Cost Producer.

NEW ORE SHOOT FEATURES

Will Enable the Mine to Handle Output at a Minimum Price Per Ton Over Other Properties.

From a mining standpoint, Ohio Copper will be one of Utah's next great low-priced cost producers. The mine and mill at Bingham are equipped with the best means known for handling ores economically and enormous bodies of ore show marked improvement as greater depths are reached.

The main tunnel has been completed past the Ohio shaft, making the raise to connect with the main shaft. The final connections will be made the first week in February and the ore shoots will be put in immediately thereafter. These latter will enable the mine to handle ore at a minimum price per ton over all other Bingham properties, according to the projectors. It is contended by the owners that the percentage of profit from the Ohio Copper will be higher than any other Bingham producing property and that the producing will be equally as great and the transportation facilities less expensive.

The reason for these deductions is that the ore shoots will connect directly with the tunnel thereby lessening the expense of labor, and everything else in connection with the mechanical and labor department. In summing up his findings after an exhaustive examination of the Ohio Copper company's properties, Duncan MacVehle, mining engineer, directs attention to a few of the striking features which will shortly cause the mine to take rank with the leading copper producers of the world. These are:

The enormous tonnage developed. The persistence of and increase of values with depth. The magnificent concentrating quality of the ore. The possibilities of extraordinary economical mining, transportation and reduction.

The large proportion of territory yet unexplored. That these features are real and tangible is proven by the facts embodied in the engineer's report.

The mining property of the Ohio Copper company consists of a compact group of 15 mining claims, comprising something more than 120 acres of ground in the heart of Bingham district. The properties of the Ohio Copper company and the Boston Consolidated company adjoin the estate of Ohio Copper company on the west and south, while properties of the United States Mining company also are contiguous to that of Ohio.

IMMENSE TONNAGE IN SIGHT.

Something more than 15,000 feet of development in Ohio Copper ground has assured the company of the existence of 3,000,000 tons of copper ore in sight with four-fifths of the total area of the estate yet unexplored.

Developments in the mine extend to 500 feet in depth below an old tunnel driven from Bingham canyon. These developments have exposed a large body of copper ore, which, according to indications, should prove continuous and of increasing value to much greater depth, as the best grade ore has been encountered in the lowest workings. The main transportation tunnel cuts this ore body at a depth of 520 vertical feet below the deepest present development of the mine, or about 1,394 feet below the collar of the shaft on the dip of the vein.

HAULAGE SYSTEM IDEAL.

The character of the ore in place in the mine is such as to allow of the adoption of the existing system of mining, the total cost whereof will not be in excess of 70 cents a ton.

Actual recovery in an old mill, with conditions in many ways unfavorable to the best results has been 35 per cent of the gross values of the ore, so that the estimate of 75 per cent is ultra conservative.

PROPERTY DEVELOPMENT.

The development work on the property consists of two tunnels, known respectively as the Dederich and Cunningham tunnels, driven from Bingham canyon in a northerly direction to the Alls Well fissure. The Cunningham tunnel level is the main workings level at present, and extends in a general northeasterly direction close to the west boundary of the property, intercepting both the Alls Well fissure and the Cheas fissures and traversing completely the large ore body contained between them. It extends a total distance of some 600 feet to the north of and beyond the Alls Well fissure, and seems to demonstrate that this is the northerly boundary of the ore. Drives from this level on the Alls Well fissure and south of it were extended easterly, and an incline shaft was sunk on the dip of the Alls Well fissure to a depth of 600 feet. Some drifts and stopes were made on the high grade ore down on the 400 foot level, and although developed and driven upon on the 500, the ore has been allowed to stand, even though better in size and quality than that above.

The entire development of the property prior to acquisition, entirely by its present owners was directed towards the extraction of the high grade ores found in limited quantities in the fissures. The concentration possibilities of the ore, as the view of cutting was drawn attention to the possible value of the mineralized quartzite of the Ohio. Recent development of the latter has been directed towards proving and blocking out on a large scale this large low grade ore body. Within the past year, 2,920 feet of drifts and crosscuts, entirely in ore, have been driven on the Cunningham tunnel level. This, together with 600 feet of raises and 200 feet of sublevels above, has blocked out and made ready for immediate extraction, in an economical manner, an immense tonnage of concentrating ore above the level. The development has been planned with a view of cutting the ground into blocks approximately 100 feet square, and by driving sub-levels 25 feet apart, from raises at the corners of these blocks, rendering the same amenable to mining by the caving system.

LOWEST LEVEL HAS BEST ORE.

On the 400 foot level about 700 feet of drifts and crosscuts, entirely in ore, have been driven with the same ultimate object in view. The 500 foot level, being the deepest and the most interesting because of what it might prove in showing the continuity of ore with depth, has also been the scene of extensive and bold development work. Altogether, on this level there is a total of 2,320 feet of drifting and crosscutting entirely in ore and 552 feet of

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JOHN C. CUTLER, JR.

INVESTMENT BANKER. (Established 1882.) 230-240 CONSTITUTION BLDG. Both Phones 588.

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Direct private wire connection with all markets of the world. Commission orders promptly executed anywhere. We can instantly reach any New York or Boston Stock Exchange House or Chicago Board of Trade. Perfect service in the Nevada Stocks.

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THE UTAH NATIONAL BANK, SALT LAKE CITY.

A fully equipped savings department, 4 per cent paid on time deposits. Convenient safety deposit boxes for rent. RODNEY T. BADGER, Cashier.

Salt Lake Security & Trust Co.,

32-34 Main Street.

THE DESERT SAVINGS BANK

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W. W. Ritter, President; Moses Thatcher, Vice President; John S. Barnes, John C. Cutler, David Eccles, A. W. Carlson, George Roman, R. Winder, George Sutherland, Reed Smoot, W. F. James.

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