

MINING, BUSINESS AND STOCKS

ZINC PLANT TO START IN FEBRUARY

Big Concentrator at Horn Silver Mine is Nearing Completion.

CAPACITY FOR 300 TONS.

Water Pipe Line to Newhouse to be Built in the Spring—The Large Ore Bodies.

The new zinc concentrating mill, which has been in the course of construction at the Horn Silver mine at Frisco for several months, is nearing completion and the "News" is informed by Manager W. H. Peck, today, that it will be ready for commission about Feb. 1.

One passing Frisco on the way to Newhouse can see the new mill from the car window, but the immensity of the plant cannot be appreciated at that distance. The location is below the dump at the Horn Silver mine and in a position where it does not make a very imposing appearance. Nevertheless 600,000 feet of lumber have been used in its construction and the machinery installed there is extensive as well as expensive. The mill will have capacity for the treatment of 300 tons a day.

All of the machinery will not be in place by February, but enough of it will be installed by that time so that a start can be made on the dump ores. It is necessary to crush the ore very fine and some of the crushers are still lacking. But as soon as this equipment arrives zinc ore from the mine, of which there are immense bodies, will be fed to the mill. The mine ore carries up to 30 per cent, while the dump ore runs from 10 to 12 per cent in zinc. The water supply of the Horn Silver company will be ample, Mr. Peck stated, until later in the year, when it is the intention to build the pipe line over the mountain to Newhouse.

The plant is being built by the Central Separating company, using the Peck appliances for the saving and separation of zinc from other values contained in ore.

NEW YORK THE FEATURE.

Stock Advanced Again During Early Call On "Change."

Mammoth, May Day, Victoria and New York Bountant were the stocks that participated in the sales of regular call of the mining exchange during the forenoon, all displaying more strength than they did yesterday. On the open board Daily-Judge found favor and sold up to 5.15. Mammoth and May Day held their own, while New York continued to rise, selling at 4.04 cents. The closing quotations and sales were:

TODAY'S QUOTATIONS.

	Bid.	Asked.
Alax	11.	14.
Alia	11.	14.
Boston Con.	6.00	6.10
Bullion Beck	1.00	1.10
Beck Tunnel	1.00	1.10
Butler Liberal	1.00	1.10
Carlin	1.00	1.10
Con. Mercur	1.00	1.10
Creole	1.00	1.10
Daily	1.00	1.10
Daily-Judge	1.00	1.10
Daily West	1.00	1.10
Eagle & B. Bell	1.00	1.10
Guiana	1.00	1.10
Grand Con.	1.00	1.10
Horn Silver	1.00	1.10
Little Bell	1.00	1.10
Little Chief	1.00	1.10
Lower Mammoth	1.00	1.10
Mammoth	1.00	1.10
May Day	1.00	1.10
Martha Washington	1.00	1.10
New York Bountant	1.00	1.10
Ontario	1.00	1.10
Sunshine	1.00	1.10
Transect	1.00	1.10
Sacramento	1.00	1.10
Silver King	1.00	1.10
Star Con.	1.00	1.10
Union Shield	1.00	1.10
United States	1.00	1.10
Uncle Sam Con.	1.00	1.10
Victoria	1.00	1.10
Victor Con.	1.00	1.10
Wabash	1.00	1.10
Yankee Con.	1.00	1.10
NEVADA STOCKS.		
Goldfield Bonanza	1.00	1.10
Jim Butler Tonopah	1.00	1.10
Montana Tonopah	1.00	1.10
MacNamara	1.00	1.10
Monarch	1.00	1.10
Tonopah Belmont	1.00	1.10
Tonopah Extension	1.00	1.10
Tonopah Midway	1.00	1.10

REGULAR MORNING SALES.

Mammoth, 200 at 1.20.
May Day, 500 at 1.00; 500 at 1.04;
Victoria, 100 at 2.05; buyer 60 days.
New York, 100 at 4.75; 100 at 4.70;
at 4.60; 100 at 4.75; 1,000 at 4.75; 1,700 at 4.70.

OPEN BOARD SALES.

Daily-Judge, 20 at 5.15.
Mammoth, 200 at 1.20.
May Day, 1,000 at 1.01.
New York, 1,000 at 4.75;
600 at 4.80; 100 at 4.85; 500 at 4.85; 100 at 4.80; 3,000 at 4.80; 100 at 4.90.

RECAPITULATION.

Shares Value.
Regular call \$309,245.42
Open board 7,720 3,585.50
Forenoon totals 13,500 \$6,041.12

A. S. CAMPBELL.

Stock Broker, 216 D. F. Walker Block.

INDIAN QUEEN MINE.

Tunnel Will Probably Encounter Ledger at 300-foot Point.

J. L. Morrison, manager of the Indian Queen Mining company, which is operating in Copper Gulch, Beaver county, not far from the Cactus mine in the city for a few days. He says development work is going forward steadily and that the ledge towards which the tunnel is directed will probably be encountered within the next 75 feet. The total length of the tunnel at the present time is 225 feet and has been driven the entire distance through a very hard lime formation.

TONOPAH MEETING.

Preferred Stock of Company Will be Retired on the 25th Inst.

A message received from Philadelphia during the day conveyed the information that the stockholders of the Tonopah Mining company would meet in that city on the 25th inst. to take action towards the retirement of the preferred stock. With this out of the way, shareholders will look forward to the early payment of dividends.

GOLD AND SILVER OUTPUT.

Director of Mint at Washington Releases Preliminary Figures.

Washington, Jan. 4.—The preliminary figures upon the production of gold and silver in the United States in 1904, submitted to the director of the mint, show larger gains over the preceding year than were expected. Nearly every state of importance in yield has increased its output.

The Colorado yield is about \$36,000,000, as compared with about \$22,500,000 in 1903, and its best record, \$28,500,000 in 1900. California has made the best output for many years, due to a good supply of water and the work of the dredger.

Nevada and Utah have made notable gains. South Dakota and Alaska have beaten their previous best records. The Appalachian region shows improvement. The Klondike shows a loss of about \$2,000,000.

The preliminary figures by states and territories are as follows:

States and Territories.	Gold.	Silver.
Alaska.....	184,200	184,200
Arizona.....	4,250,000	3,400,000
California.....	19,000,000	1,800,000
Colorado.....	26,000,000	12,500,000
Idaho.....	1,900,000	7,000,000
Kansas.....	9,700	97,000
Montana.....	4,900,000	12,750,000
Nevada.....	5,140,000	4,500,000
New Mexico.....	248,000	150,000
North Carolina.....	115,000	132,000
South Carolina.....	113,200	600
South Dakota.....	7,270,000	185,000
Texas.....	454,500	454,500
Utah.....	4,700,000	10,500,000
Wyoming.....	40,500	12,500

States.....\$84,551,300 \$53,603,000
Total (including Alaska).....10,300,000
None (included in Alaska).....4,875,000 40,300

Among the notable increases in the silver production over 1903 are California, 460,000 fine ounces, and Idaho, 492,000 ounces. Colorado shows a loss of about 400,000 ounces. Nevada a loss of about 550,000 ounces, and Utah, 678,000 ounces.

In the production of gold, Alaska shows a gain of about \$385,000, California \$2,800, Colorado \$2,460,000, Idaho \$300,000, Montana \$449,000, Nevada, \$1,572,000, South Dakota, \$443,000, and Utah \$1,000,000.

MILL FOR MONARCH.

An Atlanta, Idaho. Property to be Equipped With Chlorination Process.

Daniel Kirby, manager of the Monarch mine at Atlanta, Ida., has completed a series of tests and decided on a method of treatment for the ores from that mine—the chlorination process, as worked out by a man named Greenwalt in Denver. The ore is first roasted and is then passed into a tank in which the chlorine gas takes place. After it has been leached the precious metals are precipitated partly by electrical action and partly on zinc. This process calls for only seven pounds of salt to the ton of ore. This is a very important feature, since the cost of salt delivered at such a remote point would be so high that any process calling for a large amount would be too expensive. With such a small amount of salt, however, the item of expense will be but trifling.

A plant will be installed at the mine early next spring.

Mining Deeds Transferred.

Special Correspondence.
Provo, Jan. 5.—James Pierce et al have transferred by mining deed to the Tidal Wave Mining company the following mining claims situated between Provo and Springville, in the mountains east of the county road: The Rough Rider, Defiance, Iron Duke, Gold King, Buffalo Hump, Over Draft, Nail Driver, and Defiance and Peace. The consideration named is \$40,000.

WEATHER RECORD.

Record at the local office of the weather bureau for the 24 hours ending at 6 a. m. today:

Barometer reading at 6 a. m., 29.92 inches. Temperature at 6 a. m., 22 degrees; maximum, 34; minimum, 15; mean, 28; which is 4 degrees below normal.

Deficiency of the daily mean temperature since the first of the month, 14 degrees. Precipitation since the first of the month, 1.16 inch, which is .06 inch below the normal.

Deficiency in precipitation since Jan. 1, .04 inch.

FORECASTS TILL 6 P. M. FRIDAY.

Local forecasts for Salt Lake City and vicinity:

Fair tonight and Friday.

For Utah, forecasts taken at Denver, Colo.:

Fair tonight and Friday.

West Wyoming.—Fair tonight and Friday; warmer Friday and in north portion tonight.

WEATHER CONDITIONS.

The barometer is highest over the plateau region; Rocky Mountain slope and Atlantic states; and lowest over the Upper Mississippi valley, and west Gulf states.

Precipitation occurred over portions of the Upper Mississippi valley, extreme northwest, lake region, Ohio valley, Atlantic and west Gulf states. It was raining this morning at Little Rock and Galveston; snowing at Saint Paul, Duluth, Detroit, Buffalo, Washington, Scranton, and Pittsburgh.

TODAY'S TEMPERATURE.

6 a. m.	22
7 a. m.	22
8 a. m.	22
9 a. m.	22
10 a. m.	22
11 a. m.	22
12 m.	22
1 p. m.	22

YESTERDAY'S RECORD.

Highest.....	31
Lowest.....	13

PLANS FOR THE LATHAM MILL.

Are Now Being Drawn by Fairbanks, Morse & Co's Staff of Engineers.

DRY CONCENTRATION PROCESS.

First Plant of the Kind Built in the West—Interests Deep Creek Mine Owners.

Plans are now being drawn for the dry process concentrating mill to be installed shortly at the Latham mine in the Spruce Mountain, Nevada, mining district, the contract for the building of which was awarded sometime ago to Fairbanks, Morse & Co. of this city. It is expected construction will begin in the spring.

The plant is to be equipped with the dry process concentrating machines, the patents for which are owned by Henry Catrow, of this city, and associates. This is the first plant of the kind installed in the west and its operation will be watched with the keenest interest by the mine owners of Deep Creek and other districts where water is a lacking element.

After passing the ore through the roughing crusher the ore passes into a receiving bin, thence to impact screens of from 8 to 20 mesh. The oversize being conveyed to the coarse and fine rolls. After passing the rolls the product then goes to the first unit of the compact screens of 40, 60, 80, 100, 120 and 160 mesh and finally makes its way to the bins located immediately over the concentrators. The undersize from the last compact, however, is thrown off as slimes. The plant will have capacity for treating 50 tons of ore daily.

Manager Monte of the Latham company spent considerable time in making a series of tests with the process and is confident that it will prove entirely successful. The plant will receive its power from gasoline engines.

IS EXPECTED TODAY.

Dr. Franz Meyer Comes to Investigate Into Smelter Smoke Trouble.

The experts employed by the smelting companies to investigate the smoke trouble, will begin their labors within the next few days. Dr. Franz Meyer, one of the gentlemen employed for this service, left New York last Monday night and is expected to reach the city sometime today or tomorrow.

COPPER GOING UP.

Producers Have No Trouble About Getting a Premium.

There is a feeling of cheerfulness prevailing among the copper producers over the likelihood of higher prices for that metal. This has been predicted for some time. The eastern correspondent of James A. Pollock & Co., a party today mentioned a rise of 1/4 of a cent, while Lake copper was quoted at 15 1/2¢. China is an active buyer and is calling for prompt deliveries, for which a premium is offered. Americans are buying in these, and is able to get an advance on all prompt deliveries.

CONCENTRATES.

C. G. Goss has gone to Sonora, Mexico, on mining business.

J. N. Sharp departed for Nevada today on mining business.

Work has been resumed in the famous Sinker tunnel project at Silver City, Idaho.

Good reports have been received from the property of the Morrison Mining company in Nevada.

The ore and bullion settlements reported late yesterday were: Crude ore and concentrates, \$42,000; base bullion, \$87,500; gold bars, \$5,000.

President John Dorn of the Con. Mercur has returned from a trip to Montreal, Neb., where he went to attend the funeral of a sister.

Another shipment of copper ore from the Butler-Liberal is being loaded onto a car at Bingham, and will probably reach the smelters tomorrow.

S. L. Butler, president of the Carrizal Mining company, will leave on an inspection trip to the Mexican property of that company next Tuesday.

Ben Rose, manager of the Grant Copper Queen mine near Terrence, Utah, will leave for camp again next week to inaugurate a campaign of development.

The shipment of ore from the American Flag mine at Park City, which was sold on yesterday's market netted the company about \$6,000, or about \$9 per ton.

The owners of the automobile line operated between Tonopah and Goldfield change the passenger one way. Two machines are on the road and they make two round trips a day. Seats for six passengers are provided in each and they are usually occupied. At this rate the auto owners derive a revenue of \$285 per day. It takes about two hours to make the trip between the two camps. The stage fare is 14.

FOR STEALING A BUGGY.

Two Having a Hearing in the Police Court—The Typewriter Theft.

The preliminary examination of Geo. Williams, Frank Marcell and J. King, charged with grand larceny, is now on in Judge Diehl's court.

The defendants are accused of stealing a single buggy from Frank Beckstead. The hearing will probably last until tomorrow morning. Assistant County Attorney Hansen is prosecuting, and King is represented by Attorney James F. Smith.

While Dan, the 15-year-old boy who was arrested on the charge of stealing two typewriters from the Smith-Premier company, was arraigned this morning on the charge of grand larceny. Owing to the absence of the boy's mother, the case was continued until tomorrow morning, at which time he will plead. In the meantime he is in the county jail. The county will make an effort to send the lad to the state industrial school.

MARKET'S UNDER CURRENT STRONG.

Sugar and Colorado Fuel Were Depressed but Soon Made a Sympathetic Rise.

TRADING WAS RATHER LIGHT.

Speculative Interest Was Confined to A Comparatively Few Stocks.

New York, Jan. 5.—The market moved uncertainly during the first hour, but showed a good undercurrent of strength after the early selling ceased. Moderate offerings depressed sugar and Colorado fuel, but the sympathetic rise elsewhere was offset by loss in the standard stocks. St. Paul and Union Pacific were marked up a point, and there was a solid demand for Japan, the second preferred gaining 1/4. Union Pacific and Amalgamated Copper moved up substantial fractions, and sugar rallied to 13. Pianos were lower again at 11 o'clock.

St. Paul lost its gain on the dip and New York Central and Pennsylvania sold under last night. The rise in Amalgamated Copper to 7 1/2 cents higher, and trading was dull. On the decline Union Pacific 1 1/4 was made by Louisville & Nashville, and 1 1/2, Erie 1/2 preferred, Rock Island preferred, Tennessee Coal, Republic Steel preferred, Pump and Pacific Mail, Kansas City Southern preferred, and Kansas & Texas preferred gained 1 and Westinghouse Electric 1/4. Bonds were irregular at noon.

Large purchases of Reading stimulated the market, and Union Pacific and Erie touched the bid. Trading on the whole was light and speculative interest limited to a few stocks.

When the bidding up of the coalers ceased, prices became reactionary, and much of the advance was lost. The Pacific were sensitive to pressure, and the coalers, heavyweights among other railroads. Great Northern preferred improved 1 and Lackawanna 1/4.

LIVESTOCK.

Chicago, Jan. 5.—Cattle—Receipts, 7,000; market 10 1/2 cents higher. Good to prime steers, 5.00 to 5.10; poor to medium, 4.50 to 4.60; stockers and feeders, 4.00 to 4.10. Hogs—Receipts, 10,000; market 1/2 cent higher. Good to choice heavy, 4.00 to 4.10; rough heavy, 3.50 to 3.60; light, 3.00 to 3.10. Sheep—Receipts, 10,000; market strong. Lambs steady. Good choice wethers, 4.00 to 4.10; fair to choice, 3.50 to 3.60; western sheep, 3.00 to 3.10; western lambs, 3.50 to 3.60.

OMAHA.

South Omaha, Jan. 5.—Cattle—Receipts, 1,100; market strong to 10 cents higher. Native steers, 3.50 to 3.60; cows and heifers, 2.50 to 2.60; canners, 1.50 to 1.60; stockers and feeders, 2.00 to 2.10; bulls, 1.50 to 1.60; pigs, 1.00 to 1.10.

Hogs—Receipts, 5,000; market shade to 1 cent higher. Heavy, 4.00 to 4.10; mixed, 3.50 to 3.60; light, 3.00 to 3.10. Pigs, 1.00 to 1.10.

Sheep—Receipts, 2,000; market strong. Wethers, 4.00 to 4.10; ewes, 3.50 to 3.60; lambs, 3.00 to 3.10.

KANSAS CITY.

Kansas City, Jan. 5.—Cattle—Receipts, 3,000; market 10 cents higher. Native steers, 3.50 to 3.60; cows and heifers, 2.50 to 2.60; canners, 1.50 to 1.60; stockers and feeders, 2.00 to 2.10; bulls, 1.50 to 1.60; pigs, 1.00 to 1.10.

Hogs—Receipts, 5,000; market shade to 1 cent higher. Heavy, 4.00 to 4.10; mixed, 3.50 to 3.60; light, 3.00 to 3.10. Pigs, 1.00 to 1.10.

Sheep—Receipts, 2,000; market strong. Wethers, 4.00 to 4.10; ewes, 3.50 to 3.60; lambs, 3.00 to 3.10.

PRODUCE.

Chicago, Jan. 5.—May wheat opened a shade to 1/4 higher at 1.14 1/2. The price of wheat fell to 1.14 1/2. Cash wheat—No. 2, red, 1.17 1/2; No. 3, red, 1.16 1/2; No. 4, red, 1.15 1/2; No. 5, red, 1.14 1/2; No. 6, red, 1.13 1/2; No. 7, red, 1.12 1/2; No. 8, red, 1.11 1/2; No. 9, red, 1.10 1/2; No. 10, red, 1.09 1/2; No. 11, red, 1.08 1/2; No. 12, red, 1.07 1/2; No. 13, red, 1.06 1/2; No. 14, red, 1.05 1/2; No. 15, red, 1.04 1/2; No. 16, red, 1.03 1/2; No. 17, red, 1.02 1/2; No. 18, red, 1.01 1/2; No. 19, red, 1.00 1/2; No. 20, red, 0.99 1/2; No. 21, red, 0.98 1/2; No. 22, red, 0.97 1/2; No. 23, red, 0.96 1/2; No. 24, red, 0.95 1/2; No. 25, red, 0.94 1/2; No. 26, red, 0.93 1/2; No. 27, red, 0.92 1/2; No. 28, red, 0.91 1/2; No. 29, red, 0.90 1/2; No. 30, red, 0.89 1/2; No. 31, red, 0.88 1/2; No. 32, red, 0.87 1/2; No. 33, red, 0.86 1/2; No. 34, red, 0.85 1/2; No. 35, red, 0.84 1/2; No. 36, red, 0.83 1/2; No. 37, red, 0.82 1/2; No. 38, red, 0.81 1/2; No. 39, red, 0.80 1/2; No. 40, red, 0.79 1/2; No. 41, red, 0.78 1/2; No. 42, red, 0.77 1/2; No. 43, red, 0.76 1/2; No. 44, red, 0.75 1/2; No. 45, red, 0.74 1/2; No. 46, red, 0.73 1/2; No. 47, red, 0.72 1/2; No. 48, red, 0.71 1/2; No. 49, red, 0.70 1/2; No. 50, red, 0.69 1/2; No. 51, red, 0.68 1/2; No. 52, red, 0.67 1/2; No. 53, red, 0.66 1/2; No. 54, red, 0.65 1/2; No. 55, red, 0.64 1/2; No. 56, red, 0.63 1/2; No. 57, red, 0.62 1/2; No. 58, red, 0.61 1/2; No. 59, red, 0.60 1/2; No. 60, red, 0.59 1/2; No. 61, red, 0.58 1/2; No. 62, red, 0.57 1/2; No. 63, red, 0.56 1/2; No. 64, red, 0.55 1/2; No. 65, red, 0.54 1/2; No. 66, red, 0.53 1/2; No. 67, red, 0.52 1/2; No. 68, red, 0.51 1/2; No. 69, red, 0.50 1/2; No. 70, red, 0.49 1/2; No. 71, red, 0.48 1/2; No. 72, red, 0.47 1/2; No. 73, red, 0.46 1/2; No. 74, red, 0.45 1/2; No. 75, red, 0.44 1/2; No. 76, red, 0.43 1/2; No. 77, red, 0.42 1/2; No. 78, red, 0.41 1/2; No. 79, red, 0.40 1/2; No. 80, red, 0.39 1/