

MINING, BUSINESS AND STOCKS

ANOTHER DULL DAY ON THE EXCHANGE.

Con. Mercur Continues to Tuff The Effects of a Bearish Movement, Selling Down to \$1.05.

DALY-WEST SOME STRONGER.

Eastern Market Stimulated Bidding Here—Tetro Purchased at Thirty Cents—Quotations and Sales.

The mining stock market was not improved today and in some respects was in a worse condition than yesterday. Consolidated Mercur continued on the down grade and wound up with a sale at \$1.05, which was also the closing offer. Ajax opened with a sale at 17 cents, but weakened. Daly-West, on the strength of a stronger eastern market, was quoted higher. May Day could not get up to 9 cents. Tetro sold down to 30 cents while Star Consolidated remained practically unchanged.

On the open board Lower Mammoth was brought out at 57 1/2 cents and Nall-driver at \$1.22.

The total sales of the forenoon footed up to 32,495 shares, which brought \$5,201.88. The closing quotations and sales were posted as follows:

FORENOON QUOTATIONS.

Stocks.	Bid.	Askd.
Ajax	16 1/2	17
Bullion-Buck	1.00	2.25
Carls	1.50	1.6
Congor	1.00	1.05
Consolidated Mercur	1.02 1/2	1.05
Croole	35	35
Daly	2.00	2.40
Daly-Judge	9.20	9.70
Daly-West	35.00	35.00
Dexter	50	50
Eagle and Blue Bell	50	50
Grand Central	3.50	4.50
Ingot	.02	.02 1/2
Little Bell	1.25	2.40
Lower Mammoth	.55	.55
May Day	.08 1/2	.08 1/2
Mammoth	1.00	1.10
Northern Light	.00 1/2	.00 1/2
Ontario	5.30	5.30
Petro	.02	.02
Black Bess	.60	.60
Sacramento	.25 1/2	.27 1/2
Star King	72.00	72.00
Silver Shield	.12 1/2	.13 1/2
South Swans	.07	.07
Star Consolidated	.09	.09
Sunshine	.09	.09
Swansea	.20	.25
Utah	.80	.70
Uncle Sam Con.	.25 1/2	.25
U. S. Mining Co.	17.50	17.50
Valde	.10	.15
Bullion-Liberal	.15	.17
Rocco-Homestake	.60	.60
California	.07	.07
Century	.50	.53
Joe Bowers	.01	.01 1/2
La Reine	.03 1/2	.04
Little Chief	.10	.10
Manhattan	.00 1/2	.00 1/2
Martha Washington	.02 1/2	.02 1/2
New York	.25 1/2	.24
Richmond-Anacostia	.25 1/2	.24
Tetro	.20	.20
Victor	.12 1/2	.13 1/2
Wahash	.15	.15
W. Morning Glory	.00 1/2	.01
Yankee	.40	.50

REGULAR CALL SALES.

Ajax, 1,500 at 17; 500 at 16 1/2. Shares sold, 2,000.
Carls, 1,600 at 15 1/2; 1,000 at 15 1/4; 400 at 15 1/2; 500 at 15 1/2. Shares sold, 6,700.
Con. Mercur, 1,000 at 1.00; 100 at 1.06; 100 at 1.05. Shares sold, 1,200.
Daly-West, 5 at 35.00.
May Day, 300 at 8 1/2.
Northern Light, 1,000 at 1/4.
Petro, 500 at 13 1/2.
Silver Shield, 300 at 12 1/2; 500 at 13 1/2. Shares sold, 800.
Star Con., 500 at 33 1/2.
La Reine, 5,000 at 3 1/2; 5,000 at 3 1/2. Shares sold, 5,500.
Martha Washington, 2,000 at 2 1/2.
Tetro, 500 at 30.

OPEN BOARD SALES.

Carls, 2,500 at 15.
Lower Mammoth, 500 at 57 1/2.
Star Con., 1,000 at 33 1/2; 1,000 at 33 1/2.
New York Bonanza, 300 at 23 1/2.
Martha Washington, 2,000 at 2 1/2.
Nall-driver, 100 at 1.22.

RECAPITULATION.

Shares.	Value.
Regular call	\$2,585.63
Open board	1,316.25
Forenoon totals	\$3,901.88

SPRAYING IN COAL MINES.

Results from Experiments Conducted by English Engineers.

Much less attention has been devoted by American engineers to the safety of value of watering dusty mines than by European engineers, but the former have shown that anthracite mines, though in many cases producing large volumes of fireproof dust, are less liable to explosion. It has also been discovered that all bituminous mines are not equally dangerous by reason of the coal dust they produce, and that those mines which produce a dust which when rubbed between the fingers has a greasy feel, are especially dangerous.

When the liability of English steam coal mines to huge explosion disasters became recognized, it was perceived that the explosive nature of the coal dust was an ever-present danger, which could no longer be denied, and a royal commission was appointed to take evidence and report on the subject. This commission only very partially investigated the subject, devoting themselves largely to the effect of gunpowder shots on mixtures of air and coal dust, concluding their labors by recommending that gunpowder should not be used in fiery mines; that water should be used by sprays or otherwise to dampen the air of the mines; and to water the top, sides, and floor, in the immediate vicinity of shots. Before this commission concluded its labors, the opportunity was afforded them of investigating explosions which had occurred in mines where fireproof dust had never been seen and where fireproof dust had never been found since.

One member of this commission (Prof. Dixon), a writer, experimenter, and authority on the rate of explosion in gases, has shown that, if the maximum force of an explosion is to be developed, it is necessary to add 5 per cent of water vapor to mixtures of air and gas, and that this volume of vapor can only be added by using steam. It is therefore quite clear at the outset

that theoretically it is impossible to sufficiently saturate the air of a mine with water, using sprays as restrictive agents for limiting the extent of an explosion, since the water has been initiated. German engineers took up the subject in a practical way, and by actual experiment proved that very little more than 2 per cent of vapor could be added to mine air, and spraying as a protective agent was abandoned; they also proved that when certain coal dusts were mixed with air, water had no restraining action on the flame from a shot, until the dust was so wet that water would be squeezed out of it by the hand.

And it has been found for the introduction of the so-called flameless explosives there cannot be a doubt but that blasting in certain mines would have been restricted to a minimum, and although explosions still occur, the danger of blasting is encouraged, and watering is held up as a sure protection against a devastating explosion. If we turn to occurrences in England where many public reports on explosions and other literary matter is available, we find ample proof that it is the desire of almost everybody to repair comfortably under some form of watering, generally the spray system.—Extracts from article by James Ashworth in October Mines and Minerals.

COUNT FERDINAND WARD

And a Party of Tourists Visiting the Utah Apex at Bingham.

The English tourist party which was in the city yesterday, en route to the Pacific, visited the smelters and Bingham, where one of them, Count Ferdinand Ward, is financially interested. The gentlemen comprising the party expressed themselves as enthusiastic over the future of the camp, and believe that copper ought to command a higher price than at present. They look for better prices. The party is in Bingham today.

Count Ward was born in Massachusetts of English parentage, and went to the old country in his youth.

The property in which the visitors are most directly interested is the Utah-Apex, which comprises the York and adjoining property.

One in the Black Jack.

Special Correspondence.

Black Jack, Utah, Sept. 28.—The Black Jack mine has long been the property of an ore producer. A body of rich copper ore has been struck in the shaft, after four years of constant labor. The property was bought by a party taking out the rich ore from the recent strike yesterday.

UNCLE SAM MILL.

Work is Being Pushed on New Plant—Machinery Beginning to Arrive.

Work on the new Uncle Sam mill in the Tintic district is being pushed ahead with vigor. Some of the machinery has arrived, and a portion of the balance is en route. In the meantime a force of carpenters is engaged in framing the timbers and it will be a matter of a few days until the building is ready to take on form. The excavations were completed some time ago.

THE HONERINE MINE.

Visit of Manager Snyder and F. H. Buhl, of the Western E. Co., Full of Interest.

Supt. E. J. Raddatz, of the Honerine mine, came in from Stockton last night, where he spent the day in showing a few samples to Manager Snyder and Director Buhl of the Western Exploration company. The gentlemen indeed saw some things which they did not expect in the way of large ore bodies, developed since they last inspected the property. It was only last week that Supt. Raddatz made two very important finds, all of which were very valuable.

The excavations and grading for the new Honerine concentrator, said Mr. Raddatz today, have been completed and the work of laying the foundations is about half finished.

The great drain tunnel has been completed to the length of 4,000 feet. The face is now in good breaking rock. Consequently, good headway is being made. The volume of water coming from the tunnel is not as great as it was some time ago, the flow now being about 1,700 gallons per minute.

PROSPEROUS STATELINE.

Mill at the Homestake Mine at Fay, Nev. Scheduled to Start Tomorrow.

Grant H. Smith, who is extensively interested in the State line district, has returned from a trip to the spot several days in looking over the properties in which he is directing operations. As to them he had nothing new to report at this time, except that development work is progressing with favorable results. "The camp was never in a more prosperous condition," said Judge Smith today, "and a better feeling prevails among the citizens of the district than for some time past. The recent strike in the Johnny and other properties has had a good effect. The developments in the Johnny are gratifying, indeed. Some extensive bodies of low grade ore have been opened up in the mine."

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.

Tin Discovery Reported.

Butte, Mont., Sept. 29.—A hundred-foot ledge of tin ore is reported to have been discovered near Lost River in the Carbonate district, north of Cape Nome. Details of the discovery which, it is said, may prove the greatest known anywhere are not given.