

MINING, BUSINESS AND STOCKS

DEMONSTRATIONS AT CON. MERCUR.

Manager George H. Dern Returns From Camp Fully Satisfied With Moore Process.

CAPACITY OF PLANT DOUBLED.

The Filters Appear to Discharge Twice the Ore it Was Expected They Would.

After spending several days at the big Con. Mercur mill, where he observed closely the operation of the Moore process, Manager George H. Dern returned from camp last night eminently pleased with the results being obtained through the Moore process for the treatment of ores.

The success of the process from a metallurgical standpoint was fully demonstrated long ago; before any attempt was made to adopt the method upon a commercial scale. When the management became thoroughly satisfied on this point the mechanical demonstration was yet to be made. It has taken weeks to make the adjustments since the machinery was installed, and while the delays have been annoying in the extreme, the management is now confident that the situation has been fully and completely mastered.

When Mr. Dern left camp two of the filters were in operation and by night it is expected that two more will be in commission or one-half of the entire number installed. Right here it might be well to state that the indications are that the last four will not be needed as it is believed they will simply take care of the tonnage.

Yesterday one of the filters discharged 12 tons of dry slimes in about two hours, which would be at the rate of 144 tons in every 24 hours. With the four in operation, 576 tons of dry slimes would be discharged, which represents about one-third of the ore.

The separators are performing their functions perfectly. These machines separate the slimes from the sands. After being discharged the slimes are conveyed into the leaching tanks to undergo treatment by means of cyanide solutions, in the usual manner. But the slimes are conveyed to the filters.

Mr. Dern says there is every reason to believe that the usual tonnage will be handled and extraction made with about one-half the plant in commission.

As to the balance may be put to leave something to be decided in the future. The probabilities are the matter of treating some of the old tailings dumps will be considered and which could be done without lessening the daily output of the mill.

DAILY-WEST SALES.

Several Blocks Transferred During the Early Call—Tetro Weaker.

The sales of the forenoon on the Mining Exchange aggregated 24,443 shares, for which was cleared the sum of \$15,214.73. Daily-West entered the pit some stronger, but before it was passed a shrinkage was noticed. The opening sale was made at \$39.50, while the closing bid was \$39.35. Con. Mercur remained fairly steady, while Star Con. weakened. Uncle Sam Con. was offered freely and altogether 3,500 shares changed hands. Tetro was weak and all the sales made were under 30 cents a share. Wabash came down to 6 cents, which was the bid at the fall of the gong.

The closing quotations and sales were reported as follows:

TODAY'S QUOTATIONS.		
Stocks.	Bid.	Asked.
Ajax.....	9 1/2	11
Carls.....	15	15 1/2
Con. Mercur.....	1.00	1.11
Crescent.....	2.10	2.15
Daily.....	8.70	8.85
Daily-Judge.....	39.35	39.40
Dexter.....	3 1/2	3 3/4
E. & B. Bell.....	1.00	1.10
Galea.....	8.25	4.00
Grand Central.....	85	85
Horn Silver.....	20	20 1/2
Ingot.....	50	50
Lower Mammoth.....	84	85
May Day.....	98	1.05
Mammoth.....	20 1/2	20 3/4
Ontario.....	104	104 1/2
Sacramento.....	60	60
Silver Shield.....	74	74 1/2
South Swansea.....	35 1/2	36
Star Con.....	26	26 1/2
Swansea.....	60	60
Tetro.....	24	24 1/2
U. S. Mining Co.....	17.00	17.00
Butler-Liberal.....	15	15 1/2
Recco-Homestead.....	5	5
California.....	40	40
Century.....	2 1/2	2 1/2
Dalton.....	2 1/2	2 1/2
La Reliance.....	20	20 1/2
Little Chief.....	29	29 1/2
Manhattan.....	1 1/2	1 1/2
Martha Washington.....	2 1/2	2 1/2
New York.....	20	20 1/2
Richmond A. B. & C.....	29	29 1/2
Tetro.....	20	20 1/2
Victor.....	10	12
Wabash.....	6	6 1/2
Wabash.....	6	6 1/2
W. Morning Glory.....	5	5
White Rock.....	50	50
Yankee.....	46	50

REGULAR CALL SALES.

Carls—1,500 at 15 1/2; 500 at 15 1/2. Shares sold, 2,000.
Consolidated Mercur—200 at 1.10.
Daily-West—18 at 39.50; 100 at 39.40.
175 at 39.35. Shares sold, 235.
May Day—1,500 at 8 1/2.
Star Consolidated—400 at 35 1/2.
Uncle Sam Consolidated—500 at 24 1/2.
Buyer 600 at 24 1/2; 2,500 at 24. Shares sold, 3,500.
Butler-Liberal—500 at 15 1/2; 500 at 15 1/2. Shares sold, 1,000.
Tetro—50 at 22 1/2; 100 at 20 1/2; 200 at 19 1/2. Shares sold, 800.
Victor Consolidated—1,000 at 12.
Wabash—2,500 at 6 1/2; 1,250 at 6. Shares sold, 3,750.

OPEN BOARD SALES.

Daily—200 at 2 1/2.
May Day—500 at 8 1/2.
Martha Washington—100 at 2 1/2.
New York Bonanza—50 at 20; 500 at 0 1/2; 600 at 20 1/2. Shares sold, 1,600.
Star Consolidated—500 at 35 1/2; 100 at 35.
Tetro—100 at 21 1/2.
Wabash—400 at 6 1/2.
Yankee Consolidated—200 at 48.

RECAPITULATION.

	Shares.	Amount.
Regular call.....	14,443	\$13,911.11
Open board.....	10,000	1,303.62
Forenoon totals.....	24,443	\$15,214.73

THE FIRE IN TINTIC.

Openings to Mines Now Being Sealed—Smoke Is No Worse.

(Special to the "News.")

Eureka, Oct. 9.—The situation at the mines is practically unchanged, save for the fact that the openings are now being sealed up in the hope of smothering the fire and in this way shutting off the smoke. If this proves successful it will take but a short time to clear the mines of gas and make possible a resumption of work in all the properties. The helmets received yesterday have not been used yet as it has been deemed advisable to get a few more in order that some may be held in reserve in case of emergency. The smoke is getting no worse and it may be that the fire has nearly burned itself out.

Funeral services over the remains of J. W. Menlove, who died Tuesday night from the effects of poisonous gas, were held in the Episcopal church yesterday afternoon. The remains were taken to Payson, the home of the young man's parents, on a special train today for burial. A large number of friends of the deceased went down from here.

MAY DAY MEETING.

Stockholders Called to Meet in Special Session on the 24th Inst.

The date of the special meeting of the stockholders of the May Day Mining company, which has been in contemplation for some time, has been fixed for Saturday, the 24th inst.

The purpose of this meeting is to elect at least two members of the board of directors; in the place of John A. Hunt, resigned, and the other in the place of Ed. W. Duncan, who has taken up his permanent residence in Kansas City.

The meeting has been called at the request of President James A. Cunningham, who has made no secret of his displeasure of the administration of Manager Alvarado E. Snow.

Mr. E. L. Dudley of Bridgeport, Conn., who is heavily interested in the Sunshine mine, which closed down a short time ago on account of financial distress, has arrived from the east to make a thorough examination of the property, with a view of ascertaining, if possible, whether the values can be saved with profitable results.

Mr. George Moore, of the Moore Cyanide company, managed the property for some time and with fair success. The directors, however, were not satisfied and just at the time when he was prepared to accomplish the desired results, friction arose among the directors and he forthwith tendered his resignation.

COAL DUST EXPLOSIONS.

Experiments Conducted by English Inspectors Proved Beneficial.

Mr. Hall, inspector of mines, experimented for the English commission appointed to enquire into explosions from coal dust in mines. He proved that when a gunpowder shot was fired in a pit 50 yards deep and 7 feet in diameter and ventilated by an air-current of 750 cubic feet per minute—just 25 minutes after coal dust had been thrown into the pit and only the finest dust remained in suspension—under these conditions a very violent explosion might result and flame be forced out of the shaft to a height of 60 feet. The photographs of the explosions, as they appeared above the pit top, showed that when only the fine dust was in suspension the smoke and dust were less dense, and the flames more intense. Experiments were also made by firing shots in the pit 30 to 45 minutes after the previous explosion, without adding any additional dust, and the resultant explosions shot up 15 to 50 feet above the pit top.

Fortunately a record was kept during these experiments of the state of the weather. Mr. Hall reports that the "experiments occupied 12 days, the weather throughout being most favorable, and on several days there was an unusual difference between the wet and dry bulb thermometers showing the atmosphere to be very dry." The object of this note is clearly to point out that the coal dust was dry, and the air also dry, and therefore both were in the most favorable condition for demonstrating the explosibility of coal dust. We must, however, probe a little deeper to get at the facts which are being set forth in this investigation; we shall be astonished to find that the water content of the air varied during these days from 3.6 grains to 6.2 grains per cubic foot, and on one day it was within 11 per cent of absolute saturation. We also find that on the 8th day of July, 1893, a charge of 1 1/2 hundredweights of dust was thrown into the pit, and three minutes afterward a charge of 10 pounds of gunpowder was fired without causing an explosion; 11 minutes after this a charge of eight ounces of volubrite was also fired without adding any more dust, and no explosion resulted; and then 25 minutes after the last shot a charge of 1 1/2 pounds of gunpowder was fired again, without adding fresh coal dust, the result that a very violent explosion occurred and flame shot up 60 feet above the pit top. This experiment proved that the dust was not so dry as it was supposed to be, and that the explosion was not due to the dust being dry, but to the fact that the dust was in suspension and the air was dry.

On the 10th day of July, 1893, a charge of 1 1/2 hundredweights of dust was thrown into the pit, and three minutes afterward a charge of 10 pounds of gunpowder was fired without causing an explosion; 11 minutes after this a charge of eight ounces of volubrite was also fired without adding any more dust, and no explosion resulted; and then 25 minutes after the last shot a charge of 1 1/2 pounds of gunpowder was fired again, without adding fresh coal dust, the result that a very violent explosion occurred and flame shot up 60 feet above the pit top. This experiment proved that the dust was not so dry as it was supposed to be, and that the explosion was not due to the dust being dry, but to the fact that the dust was in suspension and the air was dry.

MINING DEEDS FILED.

Provo, Oct. 9.—The following mining deeds have been filed with the county recorder:

John and Catherine Bostlemyer to H. G. Blumenthal, et al, for a consideration of \$1, an undivided one-eighth interest in the August No. 1, the August-Bostlemyer and the Johnny and Clara mining claims, situated in Tintic mining district.

N. B. Bresser, trustee, to the Park City Co-operative Mining and Development Co., of Park City, for a consideration of \$1 and other valuable consideration, the Iron Master and Iron Master No. 2 mining claims in American Fork canyon.

CONCENTRATES.

The Eureka-Hill has six cars of ore in today's market.

Supt. C. E. Allen, of the Centennial-Eureka, is still in Tintic.

The T. & B. samplers reported the receipt of 14 cars of ores today; four from Tonopah and 10 from Tintic.

Former Supt. George Z. Edwards, of the Deer Lodge, Nev., district, went into commission last Monday. The mill is treating 40 tons of ore per day.

Manager Milan Packard of the Star Con. marketed 33 tons of ore yesterday afternoon which was settled for on the controls showing 4.85 ounces gold to the ton. The lot brought about \$88, net, to the ton.

The ore and bullion shipments reported late yesterday were as follows: Crude ore and concentrates, \$38,000; base bullion, \$22,400; gold bars, \$900. Total, \$50,300.

The dividend of \$1,000 declared by the directors of the Utah mine yesterday afternoon is payable on the 20th inst. The books close against transfer on the 17th inst.

Manager Lawrence of the Sevier Con. came up from Gold Mountain yesterday with the first clean-up from the plates at that company's mill. The batch weighed 56 ounces, 60 per cent of which was pure gold.

MINING IN THE SAN JUAN REGION.

A Denver Company Has Secured a Bond and Lease on Copper Properties Near Montecello.

READY FOR WINTER CAMPAIGN.

In the Blue Mountains Much Assessment Work is Being Performed—Golden Dream Mill Idle.

Monticello, San Juan Co., Utah, Oct. 5.—A Denver company has secured a lease and bond on some of the principal copper claims on the south of the San Juan river, and has commenced work and is making preparations for a winter's season of development. The properties carry high grade copper and fair silver values.

In the Blue mountains the usual assessments are being worked on some of the best showings of the lode claims and are giving encouraging prospects of pay ore in paying quantities. The leases of the Gold Queen mine and mill have not run the mill this season, but have been doing some prospecting that does not seem to have discouraged them, and at the same time have been working continuously on their tunnel on their own property on North Creek, where they are now in over 300 feet, and have assays from their workings that if it were not so late in the season for building roads would justify them in putting out a larger force and taking out ore for treatment.

The Golden Dream mill is now idle on account of the failure of the leases of half the interests to secure the other interests, but we are hoping that the difficulty may be adjusted and that the mill may be run at least part of this winter, though it will take fully a month to repair and put it in shape for running.

CRIPPLE CREEK CON.

Three Properties Merged into the Isabella Mines Company.

Colorado Springs, Colo., Oct. 9.—An announcement is made of the Consolidation of the Isabella Gold, the Orphan Belle and the Empire Gold Mining companies, which have been merged into the Cripple Creek district. The Isabella Mines company, a Wyoming corporation, the stock of the constituent companies aggregated \$4,500,000.

TONNAGE WILL BE LIGHT.

Tintic Ore Output this Month Affected by Mine Fire.

As a result of the fire Tintic shipments for this month are likely to be very much reduced. The only mines affected are the heavy producers and shippers. The Centennial-Eureka has been sending ore in at the rate of about 250 tons per day. The Bullion-Buck out an important figure in the output, as did also the Gemini which was prepared to market an unusually large tonnage this month. The Eureka-Hill has been running light-handed and would probably have sold the last ore of any.

One Buyer Jones of the United States Mining company said today that no matter if the fire caused the mines to remain closed for several months his company would be able to keep the smelters going full blast. The Boston Con. management has consented to come to the rescue and yesterday placed a lot of teams on the road and commenced delivering ore to the railroad receiving station at Bingham. The Tintic Con. will send down at least 40 tons per day pending the completion of the Copper Belt Railway to the mine, which will not be for another month.

WAS A LUCKY MOVE.

Ontario Company Producing Quick Silver—Found in Excavations for Mill.

The decision made some time ago by the Ontario Silver Mining company to build its new concentrator on the site of the old amalgamation mill in Park City is proving to be a profitable move. The dirt being removed in the excavation is rich in quicksilver, and it is claimed that enough will be realized to practically pay the expense of the new mill. Already nearly 300 flasks of "quick" have been saved. In addition to this considerable quantity being saved in gold and silver as a result of the clean-up.

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F. D. Hignibotham, manager of the White Rock placers in Nevada, has advised local officers of the company that the assessment work is progressing and that the properties are to undergo the process of patenting as soon as possible.

The contract of George K. Fischer, with the United States Mining company, having expired, that gentleman has relinquished the active management of the mill of that concern located at Bingham Junction. Mr. Fischer's time will be pretty well taken up for some time to come in connection with the enlargement of the Utah Consolidated plant and the building of the Newhouse works in Beaver county.

STEEL STOCKS MADE NEW RECORDS

Common Went Down to 14 1/4—While the Preferred Scored A Loss of 1 1/4.

PRICES WERE WEAK ALL AROUND

A Slight Improvement Was Checked By the Heavy Selling of Amalgamated.

New York, Oct. 9.—Prices fell weakly all around in the stock market at the opening although sales were not in very large volume except in a few cases. There were 3,500 shares of Amalgamated Copper sold at 3 1/2 and 3 3/4, both new low records compared with 3 7/8 last night. United States Steel also sold at a new low record at 14 1/4, a decline of 1/4 from last night's close, and the preferred lost 1/4. Most of the leading stocks touched their lowest prices in the first hour at the opening. Full recoveries were made by some of the specialties and Atchison, Baltimore & Ohio, New York Central, Pennsylvania and Rock Island gained a small fraction. Large selling of Amalgamated developed when it recovered to near 3 1/2, and it fell to 3 1/4, checking the improvement elsewhere and causing a resumption of the general selling. General Electric declined 2 points and Westinghouse Electric 1. The market continued heavy and sank to a somewhat lower level. Reading, Union Pacific, Vabash preferred, St. Louis & San Francisco preferred, Southern Railway preferred, Brooklyn Rapid Transit and a number of others were being sold at a loss. Reading second preferred dropped 1/4 and Standard Oil of New York 1/4. There was a slight improvement before noon.

A halt in the liquidation of the low-priced specialties was followed by a rather general recovery of the ground lost in the morning selling. A few railroad stocks rallied substantially, notably Union Pacific, Pennsylvania and New York Central. A renewed attack on the Amalgamated which forced it down to 3 1/4, started a sharp downward movement again, but the standard stocks were not much affected. Tennessee Coal extended its decline to 10 points and there was some pressure against Brooklyn Rapid Transit and United States Steel.

LIVESTOCK.

CHICAGO.

Chicago, Oct. 9.—Cattle—Receipts, 4,000, including 500 Texans. Steady. Native steers, 2.50@3.50; poor to medium, 3.50@4.00; stockers and feeders, 2.50@4.00; rough steers, 1.50@2.50; calves, 3.50@4.00; Texas fed steers, 2.50@3.50; western steers, 3.00@4.00.
Hogs—Receipts, today, 5,000; tomorrow, 10,000. Steady. Mixed and butchers, 5.15@5.50; good to choice heavy, 5.10@5.50; rough heavy, 4.75@5.00; light, 5.25@5.50; bulk of sales, 5.00@5.40.
Sheep—Receipts, 5,000. Steady and lamba market strong. Mixed and butchers, 5.15@5.50; good to choice heavy, 5.10@5.50; rough heavy, 4.75@5.00; light, 5.25@5.50; bulk of sales, 5.00@5.40.
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KANSAS CITY.

Kansas City, Oct. 9.—Cattle—Receipts, 4,000, including 500 Texans. Steady. Native steers, 2.50@3.50; poor to medium, 3.50@4.00; stockers and feeders, 2.50@4.00; rough steers, 1.50@2.50; calves, 3.50@4.00; Texas fed steers, 2.50@3.50; western steers, 3.00@4.00.
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PRODUCE.

CHICAGO.

Chicago, Oct. 9.—December wheat opened at 75 1/2, 1/4 higher at 75 3/4, and with little support.

Today's Metal Quotations.

Local settling prices as reported by the American Smelting and Refining company:

SILVER, - - - 59 3/4
COPPER, - - - 21 1/4
LEAD, - - - \$3.50

New York Quotations:

COPPER, - - - 12.15
LEAD, - - - \$4.50

prices kept on declining until December had reached 75 1/2.

Cash: Wheat—No. 2 red, 52 1/2; No. 3 red, 50 1/2; No. 2 hard winter, 50 1/2; No. 3 hard winter, 48 1/2; No. 1 northern spring, 58 1/2; No. 2 northern spring, 56 1/2; No. 3 spring, 54 1/2.
Corn—No. 2, 45 1/2; No. 3, 43 1/2.
Oats—No. 2, 35 1/2; No. 3, 33 1/2.
Clover: Wheat—October, 78 1/2; December, 78 1/2; old, 78 1/2; May, 78 1/2.
Corn—October, 44 1/2; December, 44 1/2; May, 44 1/2.
Pork—October, 36 1/2; December, 36 1/2; May, 36 1/2.
Lard—October, 6 1/2; November, 6 1/2; December, 6 1/2; January, 6 1/2; May, 6 1/2.
Soybean—October, 8 1/2; January, 6 1/2; May, 6 1/2.
Rye—December, 53 1/2.
Flour—Cash, northwest, 1.02.
Timothy—October, 2.90.
Clover, 11.35.
Barley—Cash, 42 1/2.

NEW YORK PRODUCE.

New York, Oct. 9.—Wheat—Receipts, 19,200 bushels. Opened firm and a shade higher on foreign buying of December, but later eased off. December, 84 1/2; 85 1/2.
Butter—Receipts, 5,700 packages. Firm. State dairy, 15 1/2; extra creamery, 21. Foreign, 18 1/2; crushed, 5 1/2; powdered, 4 1/2; granulated, 4 1/2.
Sugar—Raw, firm; fair refining, 5 1/2; central, 5 1/2; cut, 5 1/2; molasses sugar, 3 1/2. Refined steady; crushed, 5 1/2; powdered, 4 1/2; granulated, 4 1/2.

WOOL.

ST. LOUIS.

St. Louis, Oct. 9.—Wool—Steady; western and territory, 17 1/2; fine medium, 15