

NEWS OF MINES AND MARKETS

GARNET DISTRICT WILL SOON BOOM

RICHARD ESTEY SHIPS CARLOAD OF ORE TO ANACONDA SMELTERS—MUSSIGBROD PROPERTIES.

Richard Estey, one of the most successful of the Garnet miners, was in the city yesterday, having come up from Anaconda, where he has a carload of ore being shipped.

Mr. Estey is one of the leasers of the famous Fairview mine in that district and believes that he has the opportunity of his life to make a stake. This is the property that Dr. Mussigbrod owns and from which the pretty specimens exhibited here last week by that gentleman, came.

Mr. Estey says that the Mussigbrod properties are at present closed down and that the doctor has gone East for the purpose of interesting capital in the more extensive working of the property.

Those who live in the Garnet district, which is situated on the line between the counties of Granite and Powell, are certain that the showing there is the greatest of any in Montana. They say that for a radius of 10 miles square there are rich veins of gold ore cropping out and that from more than 50 properties or prospects shipments have been made.

The Nancy Hanks mine, the property of Samuel Ritchie, has produced nearly half a million dollars in gold and there are many others that have added much to the world's store of wealth.

While merely doing development work the Mussigbrod mine has produced more than \$200,000 and now has vast ore bodies blocked out and ready to break and send to the reduction works. This group contains more than 30 full claims and most of them are patented and there is a 20-stamp mill which has a capacity of about 30 tons a day. The mill depends upon patents to catch the free gold and uses three Flue Vanners and two Whirl tables for the purpose of catching what passes over the plates. The loss sustained will average not more than \$3 per ton, but which is considered very much.

The only trouble with the property is that owing to the position of the mill it is expensive to get the ore to it. Besides this, however, some new machinery is required and it will take several thousand dollars to fix up so that the property can be cheaply and successfully worked.

It is fully expected that there will be much doing in the district next summer. It is rumored that the Anderson-Magone claims are about to be bonded and that the first payment is to be \$10,000.

SCREENINGS.

A dispatch from Oregon says a four-inch seam of ore assaying \$4,800 per ton has been traced on the porphyry dike through the entire eight claims of the Black Eagle group.

The quantity of lignite exported from Austria and Hungary during the eight months ending with August last, amounted to only 4,687,065 tons, as compared with 5,446,699 tons in the corresponding eight months of 1901.

Gold has been going to Japan in considerable quantities this year, both from the United States and Great Britain. The exports from Great Britain for the nine months ending with September are given by the trade returns at \$4,871,533, against \$4,866,600 for the corresponding period in 1901.

The Ingersoll-Sargeant Drill company may remove its plant from Easton, Pa., just across the Delaware river to Philadelphia, N. J. The company employs 1,500 men, and has been located at Easton for the last eight years, having moved there from New York. The cause of the removal from Easton is the floods of the last two years which interfered with the work of the concern.

President Jesse Lewisohn of the United Metals Selling company, has this view of the copper situation: "Like a speculator who has bought stocks at prices far above what they are selling for, copper mine owners are hopeful that something will develop that will enable them to dispose of their copper at a profit. As a result, they will go on producing copper until their borrowing capacity is exhausted; then they will stop."

A dispatch from Mill City, in the Star district of Humboldt county, Nevada, states that the camp is taking on some of its old-time activity. In the early days ores from the Star district were shipped by ox teams to Sacramento, Cal., at a cost of \$200 a ton. Notwithstanding this high charge the ores netted more than \$800 a ton. The camp in the past has produced \$8,000,000 in ore and now Salt Lake parties have taken hold of the ground and are developing producers.

Never in the history of the Coeur d'Alenes, of Idaho, were so many men employed in the mines as at the present time. Mining men say the number of men working now is from 250 to 300 more than last year at this time. Good times and prosperity have greatly increased during the past six months. Business men are exceedingly well pleased with the condition of affairs, and not a complaint can be heard from one. It is estimated that 3,000 men have employment at the present time in the mines there.

The new railroad line between Denver and Salt Lake City, which will pass through Routt county in northwestern Colorado, has attracted a great deal of attention in that county. Its possibilities are great in all the agricultural lines, but the main resources, which will receive the greatest benefit from the construction of the new line, are without a doubt the coal deposits. Their exploitation, which is only attempted in a small way now, in order to supply the local demand, will receive a great impetus, when the higher grades of coal can reach a larger market.

The Oil Well Supply company of Pittsburgh, Pa., has recently take some large orders for the general equipment of refineries and pipe lines in the Dutch East Indies. The machinery will include boilers, storage tanks, bleaching tanks, etc. Contracts have also been received lately through Hamburg and London sources for water well supplies to go to Cape Town, South Africa. Equipments for drilling water in Cuba are also about to go forward.

LAKE COPPER VS. BUTTE COPPER

EXPERT WALKER GIVES HIS VIEWS AND SOME COMPARISONS AS TO THE GREAT MINES.

In his weekly copper letter George L. Walker takes occasion to present his personal views relative to the production of copper in the Lake district and Butte. He says:

"Ever since the price of copper dropped to the vicinity of 12 cents there has been a more or less heated discussion going on as to which of the various mining districts and which companies will be best able to meet this price reduction and still continue the payment of dividends. There can be no better time to discuss this question than now, because gossip is saying that the Amalgamated Copper company will reopen its war against the independents and force them to enter into some kind of a trust agreement to limit production and hold up prices.

"Because the Lake Superior mines operate on the lowest grade rock of any paying copper mines in the world they are usually picked by the average man as the group that is to be driven out of business. Lake mines are successful because of the fact that their copper is already refined to a high state of purity when it is taken from the ground, and the cost of subsequent treatment, including freight charges, amounts to only 75 cents to \$1 per ton of rock.

"Montana and Arizona mines produce ores made up of iron, silica, sulphur, copper, silver, gold, and often also lead, zinc, antimony and other refractory elements. The mining costs in these districts are, as a rule, much higher than at the lake, and the ores must be transported several times as far to reach a water supply where they can be treated to advantage. They are then put through from three to six processes, all of which consume money and time. The average cost of mining and treating a ton of ore in Butte and Arizona is from \$6 to \$10, or from three to six times as much as at the lake.

"Anaconda, the largest of the world's copper producers, and one of the chief assets of the Amalgamated Copper company, offers a good example of the mines of Butte. Its last published official statement showed that the gross value of its ores averaged \$13.18 in the year 1900. That was when copper was selling at 16 cents and silver was 10 cents per ounce higher than at present. This company then had an operating expense of \$8 per ton of ore, and was consequently making a net profit of \$5.18 on each \$8 of operating expenses.

"Boston & Montana has produced copper in the past at a lower cost than the Anaconda, and can probably make it now approximately 7 cents per pound. Calumet & Hecla, however, as at present managed, can show a lower production cost than this for several years to come, and the new mines on the South Range, the Baltic, Champion and Trinitum, promise to bring their copper to market at an average cost of 7 cents per pound or less. The Champion, for instance, with its 37 pounds of fine copper to the ton of rock, should be able to show a production cost of less than 6 cents per pound, or, to state it the other way, the 120 pounds of copper secured from an operating expense of \$6.50 would sell for \$14.40, making a net profit of \$7.90.

"Lake copper sells in the market from 14 to 15 cents per pound higher than electrolytic, the grade produced by the Butte mines. Copper mined in Butte is in process and in transit for approximately 90 days before it is ready for market. Lake copper can be produced, refined and marketed in the same month. There are other important advantages that the mines of the Lake Superior district have over their competitors at Butte, considered both from an operating and an investment standpoint. The assumption that they can be driven out of business by the Western mines is absurd.

DECISION AFFECTING MINING

Where the question was whether \$100 worth of work had been done on a mining claim in the year 1898, and the witnesses of the complainant was to the effect that it had been done, and a witness of the defendant stated that in 1897 the tunnel (the only work done) was in depth 35 or 40 feet, and another witness of the defendant testified that in the fall of 1897 it was 40 or 50 feet, saying that he had measured it the day before and found it to be 89 feet, and further testified that 12 or 14 feet of work was done after December 31, 1898, and defendant's witness testified that they estimated the work on the tunnel to cost \$4 to \$5 per foot, such evidence was sufficient to show that over \$100 worth of work had been done in the year 1898. If the required amount of work is done, it is immaterial whether all of the co-tenants do their proportionate part of such work, where it is shown that the required amount of work has been done it will be presumed, in the absence of evidence to the contrary, that it was done by the co-tenants or some of them. And where one of several co-tenants attempts to relocate a mining claim his act inures to the benefit of all the co-tenants. The mere lapse of time does not dissolve the relationship of co-tenancy.—Yarwood vs. Johnson (70 Pacific Reporter, 124); supreme court of Washington.

A child of Mrs. Geo. T. Benson, when getting his usual Saturday night bath, stepped back against a hot stove which burned him severely. The child was in great agony and his mother could do nothing to relieve him. Remembering that she had a bottle of Chamberlain's Pain Balm in the house she thought she would try it. In less than half an hour after applying it the child was quiet and asleep and in less than two weeks was well. Mrs. Benson is a well known resident of Kellar, Va. Pain Balm is an antiseptic liniment and especially valuable for burns, cuts, bruises and sprains. For sale by Paxson & Rockefeller, Newbro Drug Co., Christie & Leys, Newton Bros.

NOTICE

An examination of applicants for teachers' certificates will be held on the 28th and 29th instant, beginning at 8 o'clock a. m., at the county superintendent's office. MARY MULLINS, Co. Supt. of Schools.

SLIGHTLY LOWER THAN YESTERDAY

WALL STREET MARKET IS GENERALLY FEVERISH AND MANY UPS AND DOWNS ARE NOTABLE.

BY ASSOCIATED PRESS. New York, Nov. 25.—Opening prices were slightly below yesterday's closing and in the secondary transactions further losses were noted. Buying orders for the week features caused an immediate rally. St. Paul and New York Central railroad covering fully and Manhattan rising to 154 1/4, a gain over night of 1 1/2. The course of Colorado Fuel was watched with interest, owing to the recent peculiar developments in the fight for control.

Its first price was 1/2 lower, at 85 1/2, but it advanced swiftly to 91, reacted to 88 and became very feverish. Fresh selling orders appeared later in the general list, causing sharp losses in many standard stocks. Manhattan sold down to 151 1/4 and Amalgamated, Reading, Missouri Pacific, Pennsylvania, New York Central, St. Paul, Illinois Central, Baltimore & Ohio, Rock Island, Union Pacific and Sugar lost from 1 to 1 1/2, with Reading the chief sufferer. Delaware & Hudson fell 2 1/2 and Lackawanna 1 1/2. Near 4 o'clock the market hardened a trifle when Manhattan and St. Paul rallied to last night's figures.

The market backed for a considerable time, but the general level was above the lowest except for some of the Colorado and Southern and the Gould stocks, which were under pressure. Manhattan was pushed up to 155 1/2, with a simultaneous rise to 158 in New York Central. Other stocks followed the lead of these shares, but recoveries were largely fractional. Monetary conditions received renewed prominence owing to the continued firmness of sterling exchange rates today holding at yesterday's high figure.

The bond market at noon lost ground with decided pressure against Washabab debenture B's. Union Pacific was offered heavily and touched par, causing an outbreak of selling at other points. Self-leading stocks sold lower than in the forenoon and Manhattan reacted to 153 1/2. Washabab fell to 2 1/2 on a few transactions, but met quick support and recovered to nearly 30.

New York Stocks.

New York, Nov. 25.—Following were today's stock quotations:

Table with columns: Name, Opening, Close. Includes American Ice, Anaconda Copper, Amalgamated, American Cotton Oil, etc.

Salt Lake Stocks.

(Reported by Coe Commission Co.) Salt Lake, Nov. 25.—Following were today's mining quotations:

Table with columns: Name, Bid, Ask. Includes Ajax, Anaconda, Carlsbad, etc.

New York Copper.

BY ASSOCIATED PRESS. New York, Nov. 25.—Lead quiet and unchanged, copper weak, 11.35@11.55.

Chicago Livestock.

BY ASSOCIATED PRESS. Chicago, Nov. 25.—Cattle—Receipts, 600 head. Market slow. Good to prime steers, \$5.75@6.75; poor to medium, \$3.00@5.50; stockers and feeders, \$2.00@4.60; cows, \$1.40@4.50; heifers, \$2.00@5.00; canners, \$1.40@4.40; bulls, \$3.00@4.50; calves,

\$3.50@7.00; Texas-fed steers, \$3.00@4.00; western steers, \$3.50@4.75. Hogs—Receipts today, 37,000; tomorrow, 38,000; left over, 3,900 head. Market 5@10c lower. Mixed and butchers, \$5.50@6.25; good to choice heavy, \$6.15@6.40; rough heavy, \$5.80@6.10; light, \$5.75@6.00; bulk of sales, \$5.90@6.10. Sheep—Receipts, 25,000 head. Sheep, slow; lambs, slow. Good to choice wethers, \$3.50@4.00; fair to choice mixed, \$2.50@3.50; western sheep, \$3.75@4.75; native lambs, \$3.50@5.25; western lambs, \$3.75@4.75.

Omaha Livestock.

BY ASSOCIATED PRESS. South Omaha, Nov. 25.—Cattle—Receipts 4,500 head. Market, steady. Native steers, \$2.00@6.25; cows and heifers, \$3.00@3.50; Western steers, \$3.50@5.00; Texas steers, \$3.25@4.50; cows and heifers, range, \$3.50@3.75; canners, \$1.50@2.50; stockers and feeders, \$2.50@4.40; calves, \$3.50@6.00; bulls, stags, etc., \$1.50@3.75.

Hogs—Receipts 8,500 head. Market, 10c lower. Heavy, \$6.00@6.10; mixed, \$6.00@6.05; light, \$6.10@6.15; pigs, \$5.50@6.00; bulk of sales, \$6.00@6.05. Sheep—Receipts 2,500 head. Market, steady. Fed muttons, yearlings, \$3.60@4.25; wethers, \$3.20@3.60; ewes, \$2.50@3.30; common and stockers, \$1.50@3.25; lambs, \$3.75@4.85.

Kansas City Livestock.

BY ASSOCIATED PRESS. Kansas City, Nov. 25.—Cattle—Receipts, 13,000 head, including 2,500 Texans. Market, steady to lower. Native steers, \$3.50@6.25; Texas and Indian steers, \$2.75@4.50; Texas cows, \$1.75@3.00; native cows and heifers, \$1.50@4.25; stockers and feeders, \$2.75@4.45; bulls, \$2.00@3.50; calves, \$2.75@6.00; Western steers, \$2.50@3.50; Western cows, \$2.00@3.25.

Hogs—Receipts, 12,000 head. Market 10c lower. Bulk of sales, \$6.00@6.10; heavy, \$6.00@6.15; packers, \$5.95@6.07 1/2; medium, \$6.00@6.12 1/2; light, \$5.95@6.07 1/2; yorkers, \$6.00@6.07 1/2; pigs, \$5.20@6.00.

Sheep—Receipts, 5,000 head. Market, steady. Muttons, \$3.00@4.05; lambs, \$3.60@5.20; range wethers, \$3.00@3.90; ewes, \$3.00@3.85.

BARNEY M'GILLIC MAKES A CAPTURE

LANDS TWO SUSPECTS BEHIND BARS OF CITY JAIL—WHAT THEY ARE SAID TO HAVE DONE.

Max Levy and John Smith are behind the bars at the city jail and before they breathe the fresh air of liberty again the chances are they will have passed several milestones in the span of life within the ironing walls of the state penitentiary.

The men were arrested several days ago by Officer Barney McGillic and have been kept in the detention ward at police headquarters pending a further investigation of their case. They were charged with the burglary of Briton's hardware store on South Main street. At first they denied having anything to do with the affair, but today they broke down and confessed the crime and now they await their trial which will be a mere matter of form.

Late in the month of August, last, the city was infested with a gang of sneak thieves and burglars who gave the police lots of trouble and the citizens no rest. Among the robberies that took place was that of Briton's hardware store. The place was broken into from the rear and the burglars got away with a lot of cutlery valued at \$200.

Barney McGillic and Jerry Murphy worked on the case. They suspected Levy and Smith, but had no evidence against them. Several days ago McGillic saw a young man, who gave his name as Johnson, whittling with one of the missing knives. He questioned the fellow with the result that Johnson made a clean breast of his part of the burglary and implicated Levy and Smith. It seems that Johnson was told of the robbery after it had happened and was given some of the stolen knives and razors. He is being held as a witness against his guilty companions.

At the Finlen.

L. Boardman, Helena; H. S. Page, Hamilton; C. R. Stranahan, Boulder; H. J. Schreiner, Pony; A. H. Johnson, Glendive; T. F. Richardson, Great Falls; G. T. Cutter, St. Louis; R. E. Starks, Medicine Hat, Canada; W. M. Wainland, Salt Lake; William Winn and wife, Fred Vystschel, Anton Vystschel, Idaho; Herrmann and wife, Edward Shurmer and wife, New York; J. M. Cornell, Anaconda; A. Paulson, Chicago; John W. Pace, Thomas H. Tunt, A. B. Baseo, Helena; J. H. McGregor, New York; J. F. Roll, Springfield; C. Bray, Helena; John Stanton, Great Falls; J. L. Williams, A. C. Moore, Minneapolis; J. R. Hackley, Missoula; W. W. Masters, Gold Creek; J. R. Beauman, Anaconda; C. L. Fredericks, Hancock; D. A. Harrington, Calumet, Mich.; W. R. Nelson, St. Paul; W. E. Murray, Chicago; Henry Cannon, Helena; George Brown, Rock Springs, Wyo.; A. Gatewood, St. Paul; F. St. Lawrence, Helena; K. Dai, Helena; Charles Crawford, Fort Benton; A. Graber, Kentucky; Ben J. Cornelius, city; Miss Moore, city; J. B. Mathews, New York; Alex. Fairgrieve, W. W. Welch, Helena; W. M. McLaughlin, Chicago; W. E. Murray, Chicago; W. G. Fitzgerald, St. Paul; Dwight Bushnell and wife, St. Paul; A. B. Luther, Chicago; George Drain, Omaha; W. H. Lucas, Spokane; E. Keck, J. A. Crumps, St. Paul; Mark Gage, Livingston; H. Gatewood, St. Paul; H. J. McFadden, Whitehall; H. R. Laughlin, Minneapolis; B. W. Greenleaf, Washington, D. C.; Philip Conroy, Alder, Mont.; J. H. Calderhead, J. McLaughlin, Helena; H. B. Sagor & Son, Peter A. Berglund, Billings; B. F. Maiden, Bozeman.

BITS OF COMMENT.

"Dr." Dowie has ceased to be a sensation. He is becoming a bore.—Chicago Tribune. Grover Cleveland can still go duck shooting without dividing the party anyway.—Chicago Record-Herald. Matt Quay has another scandal to fight down, this time of the civil service variety. But it is a mere incident to his political life.—Buffalo Times. Colonel Jim Griggs was nervy right up to the time the floor broke down. He was

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Yellek Medical Institute

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still claiming while the joists were cracking.—Atlanta Constitution (Dem.).

Bishop Potter is opposed to legislation to prevent labor troubles, declaring it to be impotent as a remedy. His idea seems to be to let labor and capital fight it out until they learn the foolishness of such fighting. But aren't the neighbors entitled to some consideration in the matter?—Boston Globe.

A New York man who was out hunting the other day mistook his brother for a deer and shot and killed him. It is wonderful how many different things the human form looks like to a man with a gun.—Chicago Record-Herald.

The crown prince of Siam ought not to be too severe on Chicago because at a dinner given in his honor there the servants were rigged out in Oriental costumes. Chicago is a great place, but it wouldn't be happy if it couldn't do things that ought not to be done.—Philadelphia Press.

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