

NEWS OF MINES AND MARKETS

GOSSAN CAPPING OF COPPER MINES

IT IS SCIENTIFICALLY EXPLAINED BY ONE WHO KNOWS ALL ABOUT IRON OXIDES.

The term "gossan" appears to be only vaguely understood, and it has generally been applied in Northern California without discrimination between the thicker crusts of limonite and the more or less decayed rocks which are only stained with the same material.

At Bully Hill the surface indications are very different, although the term gossan is likewise applied. Instead of thick crusts of limonite the surface is largely covered by broken and stained masses of rock, often light colored, but containing generally the metallic oxides, perhaps including antimony or zinc.

As an index to the location of ore deposits, the material termed "gossan" is of great importance to the prospector, and a word may be added as to the forms in which it commonly occurs.

First—There are residual masses of iron oxide in place, which have not been removed from the position of the decomposed sulphide.

Second—Iron oxide is carried by circulating waters toward the surface or elsewhere, and deposited as crusts or beds of limonite.

Third—Iron oxide may merely stain the more or less altered country rock, becoming very deceptive as to the quantity and quality of the sulphides from which it has been derived.

RICHEST GOLD STRIKE EVER MADE IN WORLD

It is Found in Wabigoon District in Western Canada in the Big Master Mine.

What is the richest strike of gold ever discovered in the world is reported from the Wabigoon district in Canada. An ore chute, four and a half feet in width has been found which is said to assay \$7,000 per ton, in the Big Master mine.

The ore is heavily impregnated with free gold that will mill not less than \$7,000 per ton.

It is not stated nor is it known the length of this wonderful chute, but it is stated by competent mining men that there is not less than a half million dollars in sight already.

The Big Master was at one time under lease and bond to J. C. E. Barker and Henry Burrell of Great Falls, but for some reason they did not take up the bond and later on it was offered for sale for the sum of \$10,000 in cash.

SHIP BIG BAR OF BULLION

Montana Gold Mining Company Preparing to Increase Their Output.

The Montana Gold Mining company at Royal District, Granite county, shipped a retort of gold valued at \$1,000 to Helena last week.

In all about to retorts, each having an estimated value of not less than \$1,000, have been shipped since the mill started to pound out ore.

It is reported that the output will be very materially increased in a short time.

A child of Mrs. Geo. T. Benson when getting his usual Saturday night bath, stepped back against a hot stove which burned him severely.

POGSON, PELOUBET & CO. Public Accountants

Hennessy Building, Butte.

New York 20 Broad Street

SENSIBLE LETTER FROM J. L. BUTLER

FOUNDER OF TONOPAH ISSUES STATEMENT TO THOSE WHO MAY BE INTERESTED IN DISTRICT.

Tonopah, Nev., Nov. 20.—At a recent meeting in Tonopah, the following letter was issued to all who are interested in the new camp, by J. L. Butler, the discoverer and locator of Tonopah:

"The meeting of Sunday evening brought about some feeling that I did not suppose existed in our so far marvelously peaceful city—one that has so far outstripped the record of anything in mining history. The whole matter is simply this: That rich mineral zones are apt to outcrop on a very small surface, and in all cases other lands of great value lie near at hand, and often some of the very best mines are brought out by the development of a once barren tract of land.

Now, no man will lay out money or labor without owning part or all of these grounds. The law saying that a vein or lode must be had before locations are valid would have held back many a famous camp, if it had not been that men did locate and search for values. Now, only one condition exists, and that is that the locations will be made, and that the men who make them are their owners, so far as any title exists, and no one can have any better title than the first locator.

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Second—Iron oxide is carried by circulating waters toward the surface or elsewhere, and deposited as crusts or beds of limonite.

Third—Iron oxide may merely stain the more or less altered country rock, becoming very deceptive as to the quantity and quality of the sulphides from which it has been derived.

Fourth—Much of the so-called "gossan" of Bully Hill is only decomposed rock, consisting of silica and clay which is often only slightly stained with iron oxide.

SCREENINGS.

One of the Boston mining experts has been in the city for some days past and has examined the Britannia and Emma mines.

Structural iron for the Original and the West Stewart mines has arrived, and these properties will soon be in shape to start up with their new equipment.

The Daly-West mine of Park City, Utah, marketed 7,000 tons of ore during the month of October, the earnings on this bonanza property for the calendar month touching the near neighborhood of \$200,000.

J. H. Brown and John T. English of Summit, Ore., are making arrangements for the building of a custom mill in the Quartzburg district, that state. The enterprise is backed by Eastern capitalists.

Lead continues quiet and unchanged, with the usual strong and conservative demand. There is nothing new to be reported with regard to the proposed combination.

The Late Acquisition property, which has been under lease to Mr. Heinze, is now closed down by that gentleman, and is again in the possession of the owners, James A. Murray, W. A. Clark and Joseph K. Clark.

J. Allison Holmes, formerly connected with the metallurgical departments of the Montana Ore Purchasing company, with headquarters at Butte, has accepted a similar position with the United States Mining company, and has taken up his residence in Salt Lake.

Everything is in readiness at the Butte-Tonopah for the fallows frame, which is on the road. The shaft has encountered eight inches of tale, coming in on the hanging wall, and the indications are very favorable. The work will be pushed with vigor, and as soon as the machinery arrives there will be something doing at the Butte-Tonopah shaft.

The October output of the Rand was 190,000 ounces of gold, an increase of 20,000 ounces as compared with September. These monthly figures of production emphasize the slowness with which the Transvaal is resuming its former activity as a mining region.

Reports have reached Libby that a remarkable strike has been made in the property operated by the Fisher Creek Mining company and known as the Brick & Brannagan mine. The report is that at the face of the deepest tunnel on the property they have encountered an ore chute which is 16 feet between the walls and that through this immense body of ore some wonderful free gold specimens have been found.

SCIENTIFIC TALK ABOUT THE GOSSANS

PROF. ANDERSON EXPLAINS ABOUT IRON OXIDES WHICH SOMETIMES CAP COPPER LEDGES

Some observations on gossans, the residual iron oxides which usually cap copper-bearing veins, and which are the surface indications which the prospector first notes, is contained in the chapter on the geology of the copper belt of Shasta county, which was contributed by F. M. Anderson to the State Mining Bureau bulletin on "The Copper Resources of California." The following extract will be of value to many:

Where surface erosion has exposed or truncated the ore bodies, there has usually been a large amount of oxidation and destruction of the sulphides. The oxidation and the formation of soluble sulphates have resulted in a leaching of certain metallic contents, which have been carried either downward or outward, according to the direction of the drainage. Residual accumulation of metallic oxides is the rule, often forming thick crusts or masses upon which it is deposited. The chief metallic element of the gossan is of course iron, though it very often contains a small percentage of copper, and it has often formed an ore of gold and silver, as in the Iron Mountain, Bully Hill and Afterthought mines.

RECEIVER IS APPOINTED FOR BEAR GULCH MINES

SPECIAL TO THE INTER MOUNTAIN.

Livingston, Nov. 20.—Recently Judge Frank Henry of the Sixth judicial district appointed Alex Livingston of Livingston receiver of the properties of the Bear Gulch Mining company at Jardine, Park county. The receiver was appointed upon the showing made by certain parties interested in the properties. The receiver qualified and was in possession of the properties when A. C. Jardine, B. C. Van Houten and others interested in the company, applied to the supreme court for a writ of prohibition directed to Judge Frank Henry and Receiver Livingston to prevent any moves being made under the receivership, and in effect to turn the property back to the owners. In the application for the writ it was represented to the supreme court that an appeal had been perfected from Judge Harney's order appointing a receiver and that this appeal should operate as a stay. The supreme court issued an alternative writ of prohibition and today the court heard arguments upon the writ.

E. N. Toole of Toole & Bach and S. H. McIntire appeared in support of the writ, while they were opposed by T. J. Walsh and R. L. Clinton, who appeared for the district judge and the receiver.

Barrister Harrington of St. Johns, N. B., who is looking after the interests of certain stockholders in the company, was present in the court, but took no part in the proceedings, while a number of other people from various parts of the country and the state were interested spectators.

S. H. McIntire of counsel for relators, Jardine and others, made the opening argument in favor of the writ and was followed by T. J. Walsh and R. L. Clinton in opposition. These arguments consumed the morning session of court. Mr. Toole spoke for half an hour in the afternoon.

It is the contention of the relators or the appellants that the appeal that has been taken from Judge Henry's order appointing the receiver operates as a stay and that until the supreme court has passed upon the appeal the property should be surrendered to the receiver. Messrs. McIntire & Toole argued along these lines, citing a number of authorities in support of that contention.

Messrs. Walsh and Clinton claimed that if a stay was wanted the parties should apply to the supreme court for a writ of supersedeas or stay and give a bond in keeping with the value of the interests at stake.

The ruling of the supreme court in the famous Boston & Montana receivership case in 1898 is evidently considered to have quite a bearing upon this case, as the attorneys frequently cited that decision and elucidated on the doctrine that was laid down by the tribunal. The property of the Bear Gulch Mining company is considered to be very rich in gold and silver.

The ruling of the leading mining properties of the state by the receiver grew out of a row between stockholders, most of whom live in the East. It is reported that certain parties are seeking by these receivership proceedings to depreciate the value of the property so that it can be acquired at a cheaper figure than is at present asked.

BLIND FATHER AND HIS BOY

Young Lad Disappears and Police Asked to Look Him Up.

James Fitzmaurice, a blind man, tells a sad story of a wayward boy whose chief delight is to distress his father. Fitzmaurice told Chief Reynolds this morning that his boy, a lad of 12 years, had run away and as his child was his guide he was in a sorry plight without him.

The chief promised to institute a search for Tommy, the boy, and return him to the blind parent. It is said the boy runs away from his father so that he will have the opportunity to pick up old sacks and pieces of brass in the alleys and sell them to the junk shops.

There seems to be two sides of the story, however, as some one who heard the blind father's tale said he didn't blame the boy for running away as the father beat him unmercifully at times.

DISPUTE OVER OWNERSHIP

Lost Phonograph and the Man Who Took It Shows Up.

There seems to be two sides to the story that Adolph Gerth gave the police yesterday morning, when he said that he was the sole owner of property valued at \$800, which Frank Yelder had stolen.

Yelder, whose right name is Wilde, was being searched for far and wide yesterday as the supposed thief, but this morning he walked into police headquarters and coolly announced that he was a part owner in the recovered property. Wilde is as well known to the police as Gerth and they are inclined to believe he really has an interest in the phonograph.

The stuff will be held until the ownership shall have been decided.

RUMOR OF TRANSIT DEAL FLIES ABOUT

BIG NEW YORK COMBINE HAS INFLUENCE ON WALL STREET, WHERE MARKET FLUCTUATES.

BY ASSOCIATED PRESS.

New York, Nov. 21.—The stock market opened with some show of hesitation today, most of the leading active stocks showing fractional variations either way from yesterday's final prices. Interest centered largely in Manhattan which opened on purchases of 5,000 shares at 153 1/2 and immediately ran up to 154 1/2 compared with 152 1/2 last night. Bull operators took hold of the market and bought large amounts of railroads and industrials which were conspicuous in yesterday's rise. Their strength permeated the entire list and influenced a better demand for numerous minor stocks.

Advances reached from one to two points in Pennsylvania.

Missouri Pacific, Amalgamated Copper, Sugar and Pacific Coast Common and second preferred, Brooklyn Transit and Metropolitan Street railway rose fractionally above yesterday's close but fell off subsequently. The advance made further progress here and there, notably in St. Paul, which advanced 3/4 in all to 176 3/4, Manhattan broke to 149 3/4, the somewhat circumstantial reports of its lease to the Interborough Rapid Transit company, forcing large realizing sales on the market. The stock of the latter company, which is dealt in on the curb, jumped to points owing to the reports. Profit-taking sales coupled with the steady selling of Manhattan caused a reaction in prices all around later, but at noon the market was rising again. The bond market was more active and higher at noon.

Trading developed a buoyant tone under the influence of the enormous absorption of prominent speculative leaders. St. Paul was easily the feature, advancing 4 1/2 and touching 177 1/4. Louisville, Missouri Pacific, Rock Island preferred and Amalgamated rose from 2 1/4 to 2 3/4, while gains of a point or more were general elsewhere. The belief that an important deal is on in the local traction situation was the most important influence on the market and had much to do with the heavy covering by the short interest all through the list. Heavy buying orders were executed again in Manhattan and the price rose readily to 152 3/4.

New York Stocks.

(Reported by Coe Commission Company.)

New York, Nov. 21.—The opening and closing prices follow:

Table of New York Stocks with columns for American Ice, Amalgamated Copper, Anaconda Mining Company, American Cotton Oil, Atchison, Topeka & Santa Fe, Baltimore & Ohio, Brooklyn Rapid Transit, Mexican National, Missouri, Kansas & Texas, Missouri Pacific, New York Central, Norfolk & Western, Northwestern, North American, Ontario & Western, Canadian Pacific, C. C. & St. Louis, Continental Tobacco Co., Chesapeake & Ohio, Chicago & Alton, Colorado Fuel & Iron, Chicago Great Western, Continental Gas, Delaware & Hudson, Pennsylvania, People's Gas, Reading, do first preferred, Rock Island, Southern Railway, do preferred, Southern Pacific, St. Louis & San Francisco, Erie, do 1st preferred, Great Northern preferred, Illinois Central, Iowa Central, Sugar Refinery, St. Paul, Tennessee Coal & Iron, Texas Pacific, Union Pacific, United States Steel, do preferred, Washash, do preferred, Western Union, Kansas City Southern, Louisville & Nashville, Lead, Leather, Manhattan Consolidated, M. St. P. & S. Ste. M., Metropolitan Traction, Mexican Central, Wisconsin Central, do preferred, Wheeling & Lake Erie, Money, 4 per cent, Total sales, 1,083,500 shares.

New York Copper.

(Reported by Coe Commission Co.)

New York, Nov. 21.—Lead and copper, quiet and unchanged.

Salt Lake Stocks.

(Reported by Coe Commission Co.)

Table of Salt Lake Stocks with columns for Ajax, Consolidated Mercur, Carisa, Century, California, Daly-West, Larcine, Lower Mammoth, Mammoth, May Day, Ontario, Petro, Star, Utah, Uncle Sam, Victor, Yankee, Ben Butler, Daly-Judge, Grand Central, Martha Washington, Washash, New York, Daly, Eagle & Blue Bell, Sacto, United States, Chicago Livestock, Chicago, Nov. 21.—Cattle—Receipts, 2,500 head, including 500 Westerns. Mar-

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Varicocele. A radical cure without cutting, without pain, without caustic and without detention from business. Varicocele does not require a surgical operation or hospital treatment. This is a truth that we are demonstrating daily.

Ruptures and all Rectal Diseases. Diseases quickly and permanently cured. No pain, no cutting. Warned Signs of Weakness. Weak back, fluttering heart, dizziness, nervousness, poor stomach, pimples and blotches, defective memory, hot flushes to face, aversion to society, nervousness.

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ket slow. Good to prime steers, \$5.75@6.80; 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@2.40; bulls, \$2.00@4.50; calves, \$3.50@7.00; Texas-fed steers, \$3.00@4.00; Western steers, \$3.50@5.00. Hogs—Receipts today, 33,000 head; tomorrow, 15,000; left over, 8,600. Market, 10@15c lower. Mixed and butchers, \$5.90@6.30; good to choice heavy, \$6.30@6.45; rough heavy, \$5.90@6.20; light, \$5.95@6.20; bulk of sales, \$6.10@6.20. Sheep—Receipts, 12,000 head. Sheep, steady; lambs, steady to lower. Good to choice wethers, \$3.50@4.00; fair to choice mixed, \$2.50@3.50; Western sheep, \$2.75@3.80; native lambs, \$3.75@4.75.

Omaha Livestock.

BY ASSOCIATED PRESS. South Omaha, Nov. 21.—Cattle—Receipts, 3,000 head. Market, weak. Native steers, \$4.00@6.25; cows and heifers, \$3.00@4.00; Western steers, \$3.80@5.25; Texas steers, \$3.25@4.40; cows and heifers (range), \$2.50@3.80; canners, \$1.50@2.50; stockers and feeders, \$2.50@4.25; calves, \$3.50@5.75; bulls, stags, etc., \$1.50@3.75. Hogs—Receipts, 6,500 head. Market, 5c lower. Heavy, \$6.15@6.25; mixed, \$6.20@6.25; light, \$6.25@6.30; pigs, \$5.50@6.00; bulk of sales, \$6.20@6.22 1/2. Market, steady. Fed muttons (yearlings), \$3.50@3.80; Westerns, \$3.00@3.60; ewes, \$2.00@3.50; canners and stockers, \$1.50@3.30; lambs, \$3.75@4.85.

Kansas City Livestock.

BY ASSOCIATED PRESS. Kansas City, Nov. 21.—Cattle—Receipts, 6,000 head, including 1,000 head Texans. Market steady. Native steers, \$3.85@3.90; Texas and Indian steers, \$3.50@4.30; Texas cows, \$1.50@3.00; native cows and heifers, \$1.50@4.25; stockers and feeders, \$2.40@4.35; bulls, \$2.10@3.10; calves, \$2.00@6.00. Hogs—Receipts, 1,000 head. Market 5@10c lower. Bulk of sales at \$6.10@6.30. Heavy, \$6.15@6.27 1/2; packers, \$6.05@6.20; medium, \$6.10@6.25; light, \$6.00@6.17 1/2; yorkers, \$6.15@6.17 1/2; pigs, \$5.75@6.05. Sheep—Receipts, 2,000 head. Market steady. Muttons, \$3.00@4.50; lambs, \$3.50@5.20; range wethers, \$3.00@3.90; ewes, \$3.00@3.85.

COPPER MINING QUOTATIONS

Table of Copper Mining Quotations with columns for Boston, Mass., Nov. 21.—The copper mining shares closed today as follows: Centennial - \$17.25, Copper Range - 56.25, Daly West - 44.00, Mohawk - 39.75, Osceola - 53.00, Parrot - 22.25, Shannon - 8.75, Tamarack - 147.00, Utah Con - 21.12, United Mining - 20.12, United Copper - 51.25.

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