

MILKING, BUSINESS AND STOCKS

A RARE MINERAL FOUND IN UTAH.

C. C. Boone Discovers Huge Deposits of Corundum in American Fork Canyon.

MERCUR'S MINING METHODS.

A Reduction in Cost is Made—The New Ore Body in the Lincoln Mine at Pearl.

It has often been claimed that Utah abounded in every known mineral and metal with the exception of tin. This assertion is doubtless true, but with the exception of the precious and more common of the base metals, Utah mining men have given little attention to the great diversity of minerals and commercial commodities of this state, and it is left to the stranger, to the newcomer, to pay attention to resources which, so far, have been practically unnoticed and neglected, included in the list being corundum.

This commodity is extensively mined in North Carolina and Georgia, and is shipped to the Hamilton Emery company in Montgomery, where it is manufactured into emery wheels, emery paper and emery belts. The existence of corundum in the mountain ranges of Utah, if previously known, attracted but little attention, and it has been left to a mining man from Georgia, who has worked in the corundum mines of that state, to deliver this commodity in bulk in Utah, and to realize the importance of the find.

A few months ago C. C. Boone arrived in Utah from Georgia and began prospecting in American Fork canyon, and his search was not so much for the precious metals as it was for the rarer metals, earths and clays. During his careful search of the canyon and of the rugged cliffs of this locality his attention was called to a huge deposit of a peculiar looking substance which, however, had been ignored and "passed up" by the every day prospector and miner. Upon examining this deposit he found, to his surprise, that it was corundum, and that, in appearance, it closely resembled the corundum of North Carolina and Georgia. In fact, it is almost identical with the southern product. It will cut glass, and while no analysis has yet been made, nor have any samples been submitted to the assayer, Mr. Boone, on account of his familiarity with corundum, is thoroughly satisfied in his mind that this is the same pure article, and with his associates is taking steps toward finding a market, and if successful, will soon inaugurate a new industry and enterprise along mining lines in this state.

Mr. Boone informed a representative of the "News" that the corundum deposits above referred to exist in a mammoth ledge in the cliffs about three miles from the mouth of American Fork canyon. They are quite accessible, and the product is easily mined. The only question now, as to the value of the discovery, depends upon shipping rates and the demand and supply in the world's markets. If the investigations result favorably, he will begin at once the utilization of his new find. He has already found deposits of fine fire brick clay in the vicinity of American Fork, and is now negotiating for their sale to Salt Lake parties. Mr. Boone, in conversation with a "News" man stated that Utah was prolific in its deposits of valuable earths, clays and minerals, and that the corundum was most profitable in the south, but which are almost entirely neglected and ignored by the mining men and capitalists of this state, more through ignorance of their value than for any other cause.

NEW TOWNSITE AT MOAPA.

Many Lots Are Being Sold to Milling and Business Men of Butte.

Moapa, Nevada, at the southern terminal of the Santa Fe, Los Angeles & Salt Lake railroad, is springing into considerable prominence of late, and gives promise of developing into one of the most important business centers along the "Salt Lake Route" in the sagebrush state. Already there is talk of making it the county seat of Lincoln county, and this question will probably come up for consideration at the voters of the county at some future election. The building of the road to Moapa, which is admirably located and which is blessed with an abundance of water, together with the fact that a number of important mineral finds have been chronicled in that locality of late, has resulted in bringing this little business center into considerable prominence, and the outlook for its continued growth is so encouraging that W. B. Stanley, of that place, has plotted a townsite, embracing over 200 acres, and the lots, which are readily placed on the market, have been finding ready sale, and especially so in Montana, and a gentleman from the south informs a "News" representative that mining men of Butte are ready to buy a large tract in this new frontier town. The same authority states that a townsite is also being laid out at Good Springs, another mining camp tributary to the "Salt Lake Route" and that the activity so noticeable in mining affairs in Lincoln county is destined to bring this section to the front most prominently within the next 12 months.

NEW ORE CHUTE IN LINCOLN.

Experimental Tests Show an Extraction of 84 Per Cent in Gold Values.

David Kennedy, so well known in Salt Lake City, and who is heavily interested in the Lincoln mine at Pearl Lake, came in from the northwest last week and spent Saturday among his many Salt Lake friends.

In speaking of the Lincoln mine to a representative of the "News," Mr. Kennedy stated that this fine gold property is now looking better than ever before in its history, and that the new find, recently made in its workings, has added greatly to its value and to its permanency.

This discovery, Mr. Kennedy states, was made by following a stringer through which was supposed to be the hanging wall of the vein, and a few shots took the workmen into a massive body of fine milling ore, which, in its metallic value and quantity, is superior to anything yet found in the mine. The find was made on the 250-foot level, and the ore body is from eight to ten feet in width, and it is believed that this will extend to the surface. Mr. Kennedy states that the Lincoln company has been making exhaustive tests and experiments of late on its low grade milling ore, and that results from trials by the cyanide process have

Today's Metal Quotations.

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

SILVER, - - - 57 3/4

COPPER, casting - 11 1/2

" electro, 12 1/16

LEAD, - \$3.50 @ \$4.10

New York Quotation:

LEAD, \$4.20 @ \$4.25

COPPER, - 12 3/4

MERCUR MINING METHODS.

Cost of Mining Reduced from \$1.40 to \$1.34 Per Ton at This Mine.

In the August number of Mines and Minerals of Scranton, Pa., George H. Dorn, general manager of the Consolidated Mercur Gold Mines company, has a most interesting contribution entitled "Mercur Mining Methods."

The article is well illustrated, and goes into detail in its description of old methods employed by the Mercur company when it was in its infancy, and when, in ore extraction, large steps were advanced, pillars of ore being left standing for the purpose of holding up the ground, while, in some instances, wherever the nature of the formation warranted, the roof was supported by timbers; but now, however, the "caving-in" system is employed, and this method of modern mining is described in detail by Mr. Dorn, who also treats on the different phases of operation in the Mercur mine under different headings, such as: "Shaft," "Tunnels and Levels," "Inclines," "Drilling," "Blasting," "Crushing," and "Miscellaneous Items," under the latter heading being the "Cost of Mining per Ton," and the information contained in this portion of the article cannot but be of interest to all those in any way interested in the Mercur mine, but to the public as well, as it is shown that the cost, per ton, in ore extraction, has been steadily decreased during the past three years, as is illustrated by the table given below, which accompanies the article from which we quote:

Cost of mining per ton:

Year—	1901.	1902.	1903.
Tonnage—	282,118	340,786	309,481
Labor—	\$.97	\$.97	\$.99
Power and light—	.11	.09	.07
Timbers—	.02	.03	.03
Powder—	.07	.09	.07
Candles—	.01	.01	.01
Miscellaneous—	.22	.18	.17
Total—	\$1.40	\$1.37	\$1.34

The miscellaneous items include general charges, supplies, superintendence, liability insurance, water, assaying, surveying, legal expense, etc., as well as the expense of prospecting and "dead work."

The article in question is an interesting one, throughout, and gives a clear insight into the methods employed in the operation of the great Mercur mine.

"THE COMSTOCK IS A MINE."

The Wheels of the Mill Are in Motion and Crushers Are at Work.

"The Comstock is a mine, and all it now needs is development," so said Supt. Hickey to a Record reporter who visited the property Thursday. For a long time the Comstock has been growing larger and richer and now its future productiveness and wealth is practically assured, says the Park Record.

Mr. Hickey, who has had charge of the property for the last few years, and who has developed it from what might be called its beginning, is not the man to paint rosy pictures of his mines, prospects and possibilities, but is a thorough and practical miner, whose statements mean much and carry weight. A considerable quantity of high grade ore has been coming from the mine for some time past, and has accumulated in the ore house to the amount of 300 tons. On Thursday the wheels of the mill were set in motion and will now continue to grind away until this product has all been worked through. One 10-hour shift will be worked at present. Mr. Hickey is now drifting in the ore body, but progress is rather slow from the fact that as the product must be handled by windless there is still considerable water in the mine, so work must be concentrated to the one point. The mill which was erected two years ago in a model one in every respect and has a capacity of 120 tons per day, of 24 hours. "The capacity of the mill can be doubled or tripled very easily," said Mr. Hickey, "but this will not be done until the mine has been developed to such an extent that it will pay for such an expenditure. We are considerably handicapped here in our development work, by the large quantities of water we have to handle, the spring flow coming in about the middle of May and remaining until the first of September. However, the mine is looking splendid and I have no complaint to make."

Mr. Hickey has great faith in Park City and predicts for it great prosperity in the near future. The Ontario, Daly-West and Silver King, great as they are, he thinks they will yet be greater and he feels satisfied that some of the smaller properties are bound to come to the front soon. The gentleman, with many others, in fact all who are acquainted with the nature of the Park City district, believe in the policy of deep mining.

For a long time we have been predicting "great things" for the Comstock and now we feel that they have come to pass.

ORE SHIPMENTS OF TONOPAH.

The Mizpah, of the Tonopah Company Sends in 14 Cars.

Bulk ore from the Mizpah mine to the amount of 14 carloads will have been started for the Salt Lake smelter by the time the Sun reaches its readers today, says the Sun, of Tonopah, Nev. Eight cars had already gone this morning and six more were to be ready by this evening.

Within a week the railroad spur will have been completed to the Montana-Tonopah dumps and that mine will then begin shipping bulk ore. Other adjacent mines will soon follow in doing the same.

Sacked ore shipments from the station are going on more rapidly than ever.

MINING STOCKS AT THE MORNING CALL

Trading is Light But Prices Rule Higher and a Better Feeling Is Noticeable.

RICH STRIKE IN MAGNOLIA.

A Big Idaho Stock in Which Prominent Salt Lakers Are Much Interested.

The call of the Stock Exchange this morning was well attended and the bidding, at times, was quite spirited when some of the more popular stocks were under consideration. Trading was rather light, however, although prices ruled higher, while a better feeling was noticeable. Daly-West and Daly-Judge were the leaders in the calling, while Tonopah and Goldfield stocks were not neglected.

Quotations were as follows:

TODAY'S QUOTATIONS.

Stocks.	Bid.	Asked.
Albion	1.26	50
Alcoa	3	4
Ajax	3	1.60
Bullion Beck	7 3/4	8 1/4
Carlin	30	34 1/2
Con. Mercur	30	34 1/2
Credent	2.32 1/2	2.39
Daly-Judge	4.45	4.50
Daly-West	12.75	13.25
E. & B. Bell	50	55
Goldfield	2.10	2.09
Horn Silver	1.00	1.00
Ingot	1	1
Little Bell	20	20
May Day	1.43	1 1/2
Mammoth	3.50	4.00
Ontario	6	8
Petro	6	8
Rocco-Homestead	10 1/2	11
Sacramento	45.00	45.00
Silver King	7 1/2	7 3/4
South Swansea	13	14 1/2
Star Con.	40	45
Swansea	21 1/2	22
Uncle Sam Con.	55	60
U. S. Mining Co.	6.00	7.00
Victoria	19 1/2	20 1/2
W. B. Con.	28 1/2	30 1/2
Century	3 1/2	4
Joe Bowers	1 1/4	1 1/2
Little Chief	3 1/2	4
Martha Washington	3 1/2	4
New York	3 1/2	4
Richmond Ana.	3 1/2	4
Tetrah	3 1/2	4
Victor Con.	3 1/2	4
Yankee	3 1/2	4
Goldfield Bond	4 1/2	5 1/4
Beck Tunnel	6	6

TONOPAH STOCKS.

Tonopah	7 7/8	8.50
Tonopah Belmont	60	75
Tonopah Midway	61	61
Tonopah Extension	97 1/2	130
Montana Tonopah	2.40	2.40
Jim Butler Tonopah	50	70
MacNamara	30	30

FORENOON SALES.

Daly Judge, 100 at 4.45; 100 at 4.47 1/2.
Daly West, 200 at 12.12 1/2; 100 at 12.04.
Goldfield Bon, 4,000 at 5.
Mont. Ton, 200 at 2.45.
Yankee Con, 100 at 2.45.

OPEN BOARD.

Butler-Liberal, 250 at 10 1/2.
Daly, 50 at 2.45.
Supt. Judge, 200 at 4.50.
May Day, 2,000 at 1.

RECAPITULATION.

Regular call	4,805	5,702.00
Open Board	3,910	1,203.75
Totals	8,715	\$6,905.75
Regular call	4,805	\$5,702.00

Park City Ore Shipments.

(Park City Record.)

Clegg Co.	45,000
New York	13,000
K. K.	82,000
Daly-West	2,760,000
Total	2,912,000
Silver King	1,378,109
Grand total	4,288,109

RICH STRIKE IN MAGNOLIA.

Big Idaho Property in Which Salt Lakers Are Interested.

On several occasions the "News" has referred to the Magnolia mine on Miller mountain, above Nampa, Idaho, in which several prominent Salt Lakers are heavily interested, and of which Milton A. Oglesby, so well known in this city, is superintendent. For a year or more the Nampa Mining company, owning the Magnolia, has been steadily at work in its development, and had blocked out large ore reserves, but a more recent strike, chronicled in the Nampa Herald, adds materially to the value of the mine. The Herald says: "Judge Snell and Fred Mook are feeling decidedly elated over the gratifying news and substantial evidence at hand concerning a rich strike in the Magnolia on Miller mountain, one of the properties of the Nampa Mining company's group. Richard Nyberg, who has been in the employ of the company for some time, brought down full particulars of the important strike."

Nyberg states that while work was being performed in the tunnel being driven on the main line in the east end of the property, an 18-inch streak of very rich gold was disclosed. Judge Snell has several samples of the ore from the new find, and he expressed himself as being confident that most of the pay streak would return values of more than \$100 a ton. The judge has one beautiful specimen of dark iron quartz which clearly reveals coarse gold.

The opening of ore in the east end of the claim demonstrates to the satisfaction of Judge Snell and his associates several important features. It pretty generally determines the continuity and permanency and richness of the vein, increasing in size and value with vertical depth.

Sufficient drifting on the new find has been done to permit of accurate calculations as to the amount of stopping ground, visible, and as Judge Snell remarked, "It looks as if we had a bonanza, sure."

Nyberg states that the strike has created much excitement and caused renewed prospecting to be done in the vicinity of the Magnolia, with a view of locating an extension of the rich lodes.

F. G. Mook, W. W. Snell, Carl Maughmer, A. S. Garber, H. L. Brandt, C. C. Prescott, W. W. Manley, K. C. Joyner, Thomas Gillespie and others in Nampa are known to be lucky shareholders in the Nampa Mining company.

CONCENTRATES.

A mill is to be built for the Evening Star mine at Encampment, Wyo.

J. W. Langley, with his family, is taking an outing on the Yellowstone in Idaho.

The New York Bonanza mine, at Park City shipped 19,000 pounds of ore last week.

C. S. Varian Jr. of Salt Lake City, is inspecting mining conditions at Goldfield, Nevada.

R. E. L. Collier, the well-known surveyor, left for Idaho Saturday night on professional business.

R. E. L. Collier will leave for Alta in the morning for the purpose of making surveys of some mining claims.

John McKeel, of Butte, was killed Saturday by falling down a chute in the Neversweat mine, of that place.

The Bradburn Mining company, of Marysville, has resumed work in the operation of its property near that place.

Capt. Arthur Buckbee, of Baker City, Oregon, so well known in Utah mining circles, recently inspected Idaho mining camps.

J. E. Darner of Salt Lake, managing director of the May Day mine at Bureka, Tintic, visited this property yesterday.

Joseph R. Foelt, the well known engineer, has accepted a position with the Amalgamated company at Anaconda, Mont.

J. B. Black and E. J. Daughters of Salt Lake, have recently been inspecting some gold mines in Granite district, White Pine county.

The Mountain Lion mine of Republic, Wash., is shipping regularly to the Granby smelter, sending out 250 tons of ore during the second week in August.

E. P. Jennings, the noted geologist and mining expert, arrived home this morning from an extensive professional visit to the new camp of Goldfield, Nevada.

Hans J. Hassell, the "tall aycamore" of Mammoth, is in the city. Mr. Hassell is prominently identified with the mining industry of Mammoth and Silver City.

Lorin Morrison, manager of the Indian Queen mine, near the mouth of Copper gulch, in Beaver county, is in the city renewing acquaintance with his family.

An accident occurred at the Silver Bell mine, at Park City, last Thursday, whereby John Mayhew, a miner, lost his finger as a result of his hand being crushed between a car and ore chute.

From the Pocahontas Advance comes the news of a fabulously rich strike on Estes mountain, Custer county, Idaho. The ore is said to go \$500 a ton, and if true, promises to be the most important strike of recent date.

D. S. Murray, of Salt Lake, general manager of the Bell Telephone company, is in Idaho making a tour of inspection along the route of the proposed extension of the telephone line into the mining camps of the Thunder Mountain region.

Worth Wiswall, metallurgist and chemist for the Breene Reduction company, at Mercur, is in Salt Lake on a short visit. The company, which is working over the old Geyer-Mann tailings dump, will soon begin active milling operations.

Col. O. P. Chisholm, of Bozeman, Montana, a brother of W. W. Chisholm, of Salt Lake, and who has many friends in this city, is doing some extensive work in the operation of his oxen property near Manhattan, Montana, and is preparing a lot of this beautiful stone for the market.

F. D. Halm, of the machine department of the Salt Lake Hardware company, having severed his connection with that concern, took his family and party Saturday, accompanied by his family, for San Francisco, where he assumes charge of the Pacific coast branch of the Mark Manufacturing company of Zanesville, Ohio.

Prof. George Delius and Joseph Montgomery, of Havy, Idaho, have located a big deposit of what is claimed to be "raw meerschaum," six miles from Soldier, Idaho. The deposit is said to be the only discovery of pure silicate of meerschaum made in the United States, and the only one of commercial importance in the world, outside of Turkey and Norway.

Word comes from American Fork canyon of a rich strike in the Clipper and Silver King Con. mine. The find consists of two commercial veins, the smaller of which contains a six-inch streak of rich galena and carbonates. The second is a six-foot vein carrying high values in silver, lead, copper and gold. This property is rich in promise and should develop into a big producer.

LOCAL MARKETS.

There are but few changes in the local markets. Spring chickens are down, and the wholesale price on beef is off a shade, notwithstanding the eastern strikes. Utah peas are through with tomatoes, watermelons have had quite a tumble, and are now within the reach of "the poor and the needy." California plums and red currants are gone by, and cheese is slightly on the rise. Utah plums are now on the fruit stands, and selling at 5 cents per pound. The prices obtaining today are as follows:

RETAIL.

Corn, per cwt.	1.60
Corn, cracked, per cwt.	1.65
Wheat, per bu.	1.10 @ 1.20
Oats	1.80
Barley, rolled, per cwt.	1.60
Flour, straight grade, per cwt.	2.60
Flour, high patent, per cwt.	2.80
Bran and shorts	1.20
Straight shorts	1.30

MEATS AND POULTRY.

Dressed beef, lb.	12 1/2 @ 25
Dressed pork, lb.	12 1/2 @ 25
Dressed veal, lb.	12 1/2 @ 25
Dressed mutton, lb.	12 1/2 @ 25
Lard	17 1/2 @ 30
Dressed hens, lb.	15
Dressed turkeys, lb.	22 1/2
Spring lambs, fore quarter	1.50
Spring lambs, fore quarter	1.00

DAIRY PRODUCTS.

Butter, lb.	25
Cheese, lb.	15 @ 20
Eggs, per doz.	25
Eastern cheese, lb.	20

FRUITS AND VEGETABLES.

Turnips, 4 bunches for	10
Utah cauliflower	0 1/2
Oranges, per box	4.25 @ 5
Oranges, per dozen	25 @ 50
Lemons, per box	3.00 @ 5.00
Limes, per dozen	25
Utah radishes, 2 bunches for	0.50
Fancy dry onions, 8 lbs.	25
Utah cabbage, per lb.	0.02
Carrots, 2 bunches	0.05
Arbutus coffee, 2 pkgs.	25
Teas, lb.	50 @ 1.00
Coffee, 2 lbs.	0.30

Green onions, 3 bunches for... 05
Cocoanuts, each... 15
Mixed nuts, 2 lbs... 35
Utah lettuce, bunch... 02 1/2
Utah cucumbers, 3 for... 10
Utah tomatoes, 5 lbs... 10
Wax beans, 1 lb... 05
Utah lettuce, 2 bunches... 05
Utah potatoes, per peck... 25
Green peppers, lb... 20
Beets, 4 lbs... 10
Blackberries, 2 lbs... 10
Watermelons... 10 @ 50
Utah raspberries... 10
Cantaloupes... 10
Blackberries, 2 lbs... 25
Black 2 lbs... 05
Peaches, per lb... 30
Utah apricots, per peck... 30
California lettuce, per head... 15
10c, two for... 20
Green corn... 20 @ 25
Cal. Bartlett pears, 2 lbs... 40
Squash, each... 05
Pumpkins, each... 15 @ 20
Hubbards, each... 15 @ 20