

MINING AND SMELTING.

Why Two-Thirds of Our Ores Are Treated Elsewhere.

FUEL, FLUX AND FREIGHT.

Superintendent Kearns Views on Silver and Wage Reduction.

Local Stock Quotations—History of the Oldest Deep Creek District—The Deseret Properties—Ore and Bullion Shipments—Mining News.

The article in yesterday's HERALD calling attention to the fact that two-thirds of the ores mined in this territory are sent to Denver, Pueblo, Kansas City and Omaha for smelting, attracted much comment in mining circles, as did the reference to the necessity for lower railroad rates on ore and bullion to enable the mines to successfully meet the depression caused by the low price of silver.

A. Hanner was seen by a HERALD reporter yesterday afternoon and gave some valuable information as to existing freight rates.

The rates from Bingham are \$2 per ton to Utah common points and \$7 additional to Leadville, \$7.50 to Denver and \$9.50 to the Missouri river.

The rates from Tintic are as follows: To Salt Lake, \$2.50, and to Leadville, \$7 additional; to Denver and Pueblo, \$7.50, and to the Missouri river, \$9.50 for not over \$50 valuation per ton.

The Park City rates are \$2 to Salt Lake and \$7 additional to Denver and \$10 to the Missouri river.

The rates from Prico to Salt Lake are \$5, to Denver \$12.50 and to the Missouri river \$14.50.

Mr. Hanner estimates that from 90,000 to 100,000 tons of ore were smelted in this territory this year.

"Why is it that the home smelters cannot treat all the ore mined in this territory?"

"For the reason," said Mr. Hanner, "there is so much competition from the outside smelters that we cannot get the ore. We are now buying it at a loss."

"What advantage have the Colorado smelters that they are able to underbid you?"

"The rate on bullion from Colorado to the Missouri river is but \$2, while we have to pay \$12."

"Are there any other advantages which discriminate against you?"

"They pay \$2 for fuel, while we pay \$11. Coal costs them from \$1.75 to \$2 per ton, while we pay from \$3 to \$4."

"Would natural gas help you out on the fuel question?"

"Natural gas could be introduced into the roasters and used to a limited extent."

"Then it is a matter of fuel and freight rates that is responsible for two-thirds of Utah ore being sent abroad for smelting?"

"We have to buy a great deal of raw material, iron, for fluxing. Our iron ore costs \$4 a ton when laid down here, and the same at Leadville does not cost more than \$1 per ton. Their iron ore carries from two to twelve ounces of silver which they pay for at the rate of 60 cents per ounce, leaving the smelter a profit on the product, while our iron ore carries no silver."

WAGE CUTTING UNNECESSARY.

Superintendent Kearns Gives His Views on the Situation.

Thomas Kearns, the superintendent of the Silver King group, at Park City, is a practical mining man and a worthy representative of the sturdy class that has opened up the resources of the great west and made it what it is. His education in the mining business was acquired in the drifts and tunnels, and while he has none of the fine speech of the financiers, he has decidedly practical views as to the cause of the present depression and the remedy.

"The gold bugs of Wall street are responsible for the depreciation of silver," said Mr. Kearns to a HERALD reporter.

"The remedy, of course, is to put the white metal upon its former footing, and to accomplish this I believe the mining men of the west should meet in Salt Lake city and form a pool. Let us discuss the supply, and thus force the issue. A plan of this kind could easily be carried out, in my judgment, for the interests of mining men are identical, and there is nothing in the production of silver at present prices. We could shut off the supply and go ahead with the necessary development work."

"Do you think that wages will have to be reduced?"

"I do not," said Mr. Kearns, emphatically. "If we cannot afford to pay our men present wages let us shut down. With the chances the miners take on their lives and the nature of the work, it would be an outrage to reduce their wages. But I don't believe a reduction is necessary. Any mine that does not pay now could not be made to pay through cutting the miners' wages 50 cents."

"What do you think is the prospect for relief?"

"Well, you know, in union there is strength, and I believe that if we organize, agree upon a plan of action and make a vigorous fight we shall win. Silver cannot be restored at one bound, but it can be put back into its old place gradually."

THE DESERT PROPERTY.

The Showing Made by Superintendent Tate's Report.

Mr. A. M. Musser, secretary and treasurer of the Deseret Mining and Milling company, has sent to THE HERALD a copy of the last report of Superintendent Tate, which is endorsed by supplemental statements from mining experts Harkness and Thompson. The company owns eleven mining claims, a mill site and a townsite. The formation is quartzite, porphyry and troctolite. Outcroppings have assayed from \$10 to \$100 in gold and silver. Five tunnels have been driven on the ledge, the main tunnel being in 490 feet, and the others from 85 to ninety feet. The main tunnel has demonstrated that the four ore veins concentrate into one large vein.

It is estimated that there is 150,000 tons of ore in sight in the Branch vein, the claim that has been most extensively developed. This ore will run 40 to gold and silver, and with proper management the superintendent thinks the property would soon pay dividends. The Bully Boy and Webster mine, with the same character of ore, has been paying for the last three years, but a mill is indispensable, and the superintendent advises the erection of a plant.

THE CLIFTON MINES.

Ups and Downs of the Oldest Deep Creek District.

amateur prospectors, who are looking for duplicates of the famous Eberhardt mine, situated on Treasure Hill at White Pine. The country was full of just such prospectors all hoping and expecting to find a bonanza of chloride and horn silver.

"Hope springs eternal in the human breast. Man never is, but always to be blest." applies forcibly to the professional prospectors as a class who undergo many hardships and privations, hoping they will some day be blessed by the discovery of a big bonanza that will enable them to build in reality one of the many castles they have built in the air.

CLIFTON'S UPS AND DOWNS.

This district has had its booms, its ups and downs, its smelting works, the wreck and ruins of which now stand as monuments of the misplaced confidence of the ability of the builders to reduce ore without a practical knowledge of the business.

The boom that struck the district two or three years ago is producing good results. More or less developments have been made which have demonstrated that the district possesses intrinsic merits which have heretofore been overlooked, and it is gradually coming to the front and will soon up as one of the famous ore producing districts of Utah when we get railroad connection with Salt Lake city. Whenever it is an assured fact that we are to have a railroad, mine owners will commence development work in earnest, and I predict that many valuable ore bodies will be uncovered, for the necessary conditions, so far as formation is concerned, exist to produce such results.

FORMATION AND ORES.

We have a variety of formations of country rock, hence a variety of ores. The formation consists of limestone, granite, quartzite, porphyry, and occasionally a slate belt. Our ores are galena, carbonates, silver, gold and copper, all the ores carrying more or less gold.

Dutch Mountain, in addition to its galena and carbonates, has some very high grade silver ores, chlorides and sulphurates. Heretofore this, the north part of this district, has been considered low grade, but the discovery of the rich ores by Messrs. Evans and Brewer demonstrated otherwise, and the result is that that portion of the district is pretty well prospected and located.

Considerable development work is being done in this part of the district with satisfactory results, and its outlook for the future is very bright.

THE GOLD HILL MINE.

Gold Hill, besides its heavy lead ores, has an abundance of gold quartz. The mill at this place, owned by Woodman, Martin & Co., is running very successfully and is working the gold ore up to 90 cents per ton.

This mill or pulverizer is different from anything usually seen. It works on a different plan from the ordinary stamp mill and is designed to revolutionize gold quartz mining, as it pulverizes the ore to an impalpable powder and frees the minute particles of gold from the rock, and in its grinding process destroys the coating on sulphurets or rusty gold and hence increases its affinity for quicksilver.

THE TOWN OF CLIFTON.

The town of Clifton is in the southern part of the district, where the recorder's office is kept. G. W. Brown, the recorder, is an old-timer. He was one of the pioneer prospectors of the district and has been contented to sit down here quietly and wait for the district to open up.

Messrs. Watson and Chandler of Bingham had some eight patented mines in the immediate vicinity of the town. Here we have the relics and ruins of two of the old smelters.

Some three miles east of Clifton is the embryo town of Minnehaha in the copper belt.

The Coleman-Henry lode is situated near this town. The lode carries a good percent of gold, silver and copper and is considered one of the containing bonanzas of the district. The manager developments on this lode have developed a strong vein, which bids fair to become a valuable property.

In this vicinity is the immense, appropriately named, for there is an immense amount—a mountain—of medium grade ore, carrying gold, silver and copper—enough to wear out a half dozen quartz mills.

The Christmas Gold and Silver Mining company has several tons of good ore on the dump, taken out in doing the assessment work for this year.

The Bully Boy, owned by G. W. Brown, is bonded to Pierce & Co., who propose to make rapid and substantial developments to determine the intrinsic value of the mine before putting their money in it, which is the proper thing to do.

There are some 500 claims recorded in the district. This means twenty acres to the claim—10,000 acres of mining ground.

A NEW DISTRICT.

A new mining district has been discovered recently near Ferguson agency, some thirty miles north of Clifton. The ores are galena and carbonates, but a sufficient amount of work has not been done to form a correct idea of the merits of the mines. The general outlook of Clifton district is flattering. Give it a railroad and it will astonish the natives with its ore output.

James Hendry has resumed work on the Red Jacket. Several tons of galena and carbonate ore have been shipped from this mine to Salt Lake city, which sampled 75 to 90 ounces silver and from 35 to 45 per cent. lead. The developments on this mine demonstrate the permanency of our lead mines.

The Black Mountain.

Joseph Lee and Frank Barker, who have been working the Black Mountain company's mine at Glencoe, which adjoins the Well Annie, returned to the city yesterday. The mine has been showing up more handsomely than ever and they have a good body of ore ready for shipment from Deseret.

Mining Stock Quotations.

Ontario sold at \$19 yesterday and Mammoth \$2.25.

Two hundred shares of Ontario stock were sold in this city at \$19.

One thousand shares of Mammoth changed hands at \$2.25.

Daily is held at \$15 and \$16. Centennial-Eureka, strong at \$30. Anchor is quoted at \$100.

Brocker Woolley sold 200 shares of Utah yesterday, but declined to state the price.

BANK STOCKS.

Deseret National, \$280; Utah & Commercial, \$145; Commercial National, \$120; National Bank of the Republic, \$100; First National bank of Ogden, \$205; Z. C. M. I., \$185.

THE SAN JUAN PLACERS.

Miners and Newspaper Correspondents Going Down to Investigate.

The excitement regarding the new gold fields in southern Utah near the junction of the San Juan and Colorado rivers is becoming very intense. Eastern people are apparently taking more interest in the new discoveries than the people of Utah themselves, and it seems strange that the placers are not the subject of employment at Park City, Bingham, Enns and at the Tintic district generally do not take advantage of the opportunity offered.

miners under the leadership of each, left for the placer mines and intended to go in by way of Green River station, Utah, thence south via Dandy crossing. There is no doubt but what this is a favorable route, and advice received yesterday from Green River state that the wagon road from that point is free of snow.

There is also an excellent route from Thompson's station, on the Rio Grande Western railway, and advice have been received at Salt Lake that horses are being accumulated at both Green River and Thompson's, and arrangements made for outfitting all parties that arrive at those points.

THE "HATTIE GREEN" CASE.

Cornelius McLaughlin et al. filed an action against Henry Hirschman et al. in the Third district court yesterday to collect \$8000, alleged to be due as trespass on the "Hattie Greene" mining claim in Summit county. The plaintiffs also ask for a restraining order to prevent the defendants from trespassing upon their property until a final hearing is had, and the order was issued by Judge Zane.

Sale of Utah Ore.

Seventy-eight tons of ore from the Utah mine at Fish Springs were sold to a Hanner yesterday for \$3,178. It assayed 244 ounces silver, 53 per cent. lead and 14 per cent. iron.

Mining Concentrates.

By a typographical error in yesterday's HERALD the working force at the Daly mine was put at 20, instead of 200 men.

T. R. Jones & Co. received yesterday: Ores, \$6,400; bullion, \$3,000; total, \$9,400. Wells, Fargo & Co. received: Mingo bullion, \$5,830; ore, \$4,064; total, \$9,894.

UP AT KAYSVILLE.

A Budget of News From This Thriving Little City.

Death of an Old Pioneer—Christmas Festivities—School Entertainments—A Leap Year Ball—Notes on the Side.

KAYSVILLE, Dec. 21.—About 2 o'clock on Thursday afternoon William L. Payne passed peacefully from this world of care, surrounded by a number of his near relatives. The respected old gentleman had been ill only about a week, but he apparently realized his approaching end, and was prepared for the grim messenger of death.

Mr. Payne was a native of England and was born at Mangton, Shropshire, Jan. 4, 1816. He came to America and settled with the Mormon people at Nauvoo, Ill., in 1847. From there he came to Salt Lake city early in 1853, and the same year settled with some others in this near vicinity.

He was widely known by the old settlers of the territory and was universally respected.

The funeral services are to be held this morning at 11:30 at the ward meeting-house.

THE SCHOOLS.

A pleasing programme was rendered by the district schools at the academy on Friday afternoon, and the schools then adjourned until Jan. 3.

At the Presbyterian chapel there were appropriate exercises on Friday evening, and each child attending school there received a present.

HOLIDAY AMUSEMENTS.

The holiday amusement season was opened last evening with dances at Williams' hall and at Webster's pavilion.

Three hundred invitations have been issued for a leap year ball to be given at the Masonic hall, on Monday evening, next, by the ladies of the World's Fair Columbian club.

Harry Taylor's dramatic combination will play here on Friday and Saturday evening next, "The Captive" and "The Lost Ship" are the plays.

NOTES ON THE SIDE.

Merry Christmas. Snow is disappearing. It rained nearly all day yesterday.

Trade has been very dull considering the holiday season.

Indoor Morris, of Salt Lake, was visiting Mr. J. R. Barnes yesterday.

Mr. and Mrs. J. H. Linford, jr., and Frank Williams are down from Logan to spend the holidays.

Reports last evening were to the effect that Joseph Smith who was injured by an electric car in Ogden Tuesday evening, is improving, and it is thought that he will recover.

A Gift to Your Memory.

Mulvaney's great battle painting, "Custer's Last Rally," will be on exhibition Christmas day at 78 West Second South street.

George B. Margotta & Co. have succeeded to the business of the Baltimore Packing company, with headquarters at 63 East Second South street since the fire. We handle the Shield brand of oysters and all sorts of fish and game.

Wonderland.

The warmest support and keener enthusiasm has been shown the presentation of "Divorce" by the theatre-going community and discriminating public.

It is worthy a liberal attendance and the most generous recognition. Announcement is made of the determination of the management to produce, by permission, Mr. Milton Noble's great play, "Phenix" with an added and splendid cast to the already excellent, strong and splendidly balanced company. The announcement is also made of the engagement of the operatic prima donna, Miss Kittie Moore. An expensive list of high-class features are billed for the curio hall.

THE LUCKY ONES.

Winning Numbers at Walker Bros. & Fyler Co.'s Great Gift Drawing.

Before the drawing Mr. Fyler made a neat speech to about one thousand people, who were anxious to know who were the fortunate holders of the winning numbers. The handsome carpet show room was tested to its utmost capacity. Three gentlemen were selected from among the audience to place the tickets in a revolving mixer. These were blindfolded and the drawing commenced. Every one was pleased and satisfied, and those who hold the lucky numbers can have the prizes as soon as they present their names. Here are the figures:



Mrs. Annie W. Jordan

Of 125 Tremont St., Boston, was in very poor health, from bad circulation of the blood, having rash of blood to the head, numb spells, and chills, and the physician said the veins were almost bursting all over her body. A collision with a double runner brought on neuralgia of the liver, causing great suffering. She could not take the doctor's medicine, so took

Hood's Sarsaparilla and soon fully recovered, and now enjoys perfect health. She says she could praise Hood's Sarsaparilla all day and then not say enough.

HOOB'S PILLS are hand made, and are perfect in composition, proportion and appearance.



A WORD TO LADIES. These pills are so different in taste, smell and action from others, that they might be called a medicated confection. Ladies suffering from headaches and those with salivary complications who cannot take ordinary pills are delighted with these. They make the skin beautiful, free from blemishes, and pimples. See Doan's Kidney Pills, Philadelphia, Pa. For sale by Godde Pitts Drug Co.



WE HEREBY PROMISE To refund all money paid us for HALLER'S REMEDIES if you are not BENEFITED by their USE. These preparations consist of:

- SURE CURE COUGH SYRUP, AUSTRALIAN SALVE, BLOOD PURIFIER, PAIN PARALYZER, SASSAPARILLA and BURDOCK (Compound) CONDITION POWDERS, BARD WIRE LINIMENT, CORN CURE, LITTLE GERMAN PILLS, and are ABSOLUTELY GUARANTEED by us. NO CURE, NO PAY. You take no chances. All Druggists.

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"Castoria is so well adapted to children that I recommend it as superior to any prescription known to me." H. A. Ancker, M. D., 111 South Oxford St., Brooklyn, N. Y.

"I use Castoria in my practice, and find it especially adapted to affections of children." ALEX. ROBERTSON, M. D., 107 1/2 Ave., New York.

"From personal knowledge I can say that Castoria is a most excellent medicine for children." Dr. G. C. Lowell, Mass.

Castoria promotes Digestion, and overcomes Flatulency, Constipation, Sour Stomach, Diarrhoea, and Feverishness. Thus the child is rendered healthy and its sleep natural. Castoria contains no Morphine or other narcotic property.

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Conducted by the Sisters of the Holy Cross

Studies for boarders and day pupils will be resumed the first Monday in September, 1893.

TERMS MODERATE.

Send references. For catalogues, etc., address as above.

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NO SUCH OFFER Has ever yet been made by any newspaper or book publisher in the west. THE HERALD is only enabled to make it by purchasing the History of Utah in large quantities, and by its facilities for advertising the book free. The work has over 300 pages; the size of the book is 9 1/2 by 6 1/2 inches; it is printed in clear, large type and has the steel plate engravings of all the Mormon leaders, besides maps, illustrations and colored plates.

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DOLLS. Japanese Dolls, Sailor Dolls, Darkey Dolls, Bisk Dolls, Wax Dolls, Kidbody Clown Dolls, from 5c to \$3.00. The best assortment that could be bought.

NECKWEAR. The finest line of Ties in the city goes for 25c, 50c, 75c, \$1.00 and \$1.25.

Handkerchiefs. An excellent assortment of Gents' Silk Handkerchiefs for 25c, 50c, 60c, 75c, 90c, \$1.15 and \$2. Come early and select the choicest, so you will have time to embroider initials on them.

SHIRTS. Dress Shirts, Negligee, unlaundried, Silk, all at surprisingly low prices.

GLOVES. 150 dozen Kid, Dog Skin, Buck, Castor, Jersey, Hog skin, all colors, from 25c. to \$2.50.

OVERCOATS With Beaver Collars and Cuffs for \$25.00, former price, \$30. Chinchillas for \$25.00, former \$30.00, Boys' Overcoat from \$2.50 to \$12.00.

SUITS. The Best \$15.00, \$12.00 and \$10.00 Suits in the west.

TOYS. Ships, Guns, Horns, Monkeys, Lambs, Musical Instruments, Nine Pins, Jumping Rabbits, Crowing Roosters, Cups and Saucers, Rattles, Tops. In fact everything in the toy line.

Christmas Day Won't be of good cheer without you buy some of our delicious Chili Sauce, Glen Cairn Camp Pie, Hamburg Eels in Jelly, Little Neck Clams, Pine Apples, Crosse & Blackwells' Jellies, Jams, Pickles, Chow Chow and Yarmouth Bloaters, Citron Peel, Lemon Peel, Raisins and Currants cleaned ready for use.

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PRICE'S Cream Baking Powder. The only Pure Cream of Tartar Powder.—No Ammonia; No Alum. Used in Millions of Homes—40 Years the Standard.