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THEM REDUCED.

THE QUESTION OF WATER SUPPLY IN THE SOUTHERN
COUNTIES IS A PROBLEM WHICH REQUIRES IN
SOME CASES THE PREVIOUS CONSIDERATION OF,
LOCAL, COUNTY, AND MUNICIPAL AID, AND
BETTER LAWS FOR REGULATING THE INCORPORATION
OF WATER COMPANIES, AND THE BETTER
PROTECTION OF CAPITAL INVESTED IN PRODUCING
SUCH WATER SUPPLY. IF IT WAS FOR NO OTHER
THING THAN TO MEET THE NEEDS OF MANY
MINING DISTRICTS, IT WOULD BE DEPRIVED OF
THE MINING DISTRICTS IN COUNTIES WHERE THERE IS NO
COUNTY MINERS' ASSOCIATION, AND EVEN MEMBERS OF THE
CALIFORNIA ASSOCIATION, WHICH IS TO BE HELD AT SAN FRANCISCO, ON THE 18TH OF THIS MONTH. THE DIFFICULTY AND DELAY IN HOLDING A COUNTY MINERS' MEETING MAY
THUS BE OVERTAKEN, AND THE GOOD RESULTS OF
UNITED EFFORT WILL BE OBTAINED IN THIS MANNER.

AS THE TIME IS SHORT, IMMEDIATE ACTION IS
REQUIRED WHERE SUCH HAS NOT BEEN TAKEN ALRE

FEDERAL MINING LANDS.

The land question naturally divides into the four classes of agricultural, mineral, and mining lands. Under wise laws, framed so as to encourage and protect our three most important, national, wealth producing industries, there ought to be no cause of complaint that one of these industries encroaches or retards the development of the others.

In the early history of the human race in Europe, this principle was early recognized; for the Roman law held that the minerals on all lands were the heritage of the man who had the courage to work them. The British Crown land law, which was copied from the Roman law, is framed with the same just proviso in the interests of mining. The United States mining land law, in early times, in like manner reserved the minerals on all lands for the use of the miner; but, with the desire for the acquisition of wealth by the owners of large tracts of land in the Eastern States, in that early period of our country's history, came demands and pressure which forced the unwise statement from the government of the time—that national mineral ownership was unworkable, and the policy of the reserve of the minerals for the public good was abandoned in the interests of monopoly, and the owners of the surface right or the agricultural interests. This was one of the first steps taken to build a large fortune in the Eastern States, by confiscating to the surface owner or purchaser the birthright of the miner.

Our present law, relating to Federal mining lands, reserves the minerals for the miner up till such time as $500 has been expended in actual mining on each claim, and then, if desired, the title to the minerals passes to the owner of the land.

There are grave doubts in the minds of many who have had long experience in mining, as to the wisdom of letting the ownership of the minerals pass from government control into that of private interests, as in too many instances it has been the cause of locking up mining claims from development, and depriving miners of the right to work the minerals, which were merely and should still be owned by the people. At longest term, ownership, the miner is but life-rented in his claim; and whether he owns the lec simple to the minerals, or if he rents it for life, or as long a period as he works it, so as to retain ownership of it, amounts to the same thing in the end. No man, except perhaps the miner who is forced to give up ownership of it, the claim passes to other owners or heirs who may not be inclined or willing to work it, and the district in which the claim is located is deprived of the amount of minerals which lie unworked.

When our Government deeds the minerals in, under, and upon the land, whether preempted or homesteaded, to agriculturists, railroad corporations, or others who are not miners, along with the surface right or land, they have disposed of a valuable resource to the country and is by inheritance the birthright of the miner. They inflict an injury on the mining interests of the country by retarding its chances of development, and prevent the country from earning an honest living for itself, and possibly developing minerals which would give work for the employment of hundreds of industrious miners.

Freeman, in his book "Mining Law," makes the following statement in this connection: "When each individual State owns the minerals within its borders, and grants to the present owners a lease to work the same, and passes laws to regulate its mining, it is as national as the agricultural and railroad lands, with compensation to the surface owner for the surface and the roads occupied by the miner. Such a course must be taken by the States, and they will have to follow in the United States. In California, Arizona, and New Mexico, this is especially necessary, as so much valuable mineral territory has passed under Spanish grants to individual owners, who will not work it or allow others to do so, and consequently the progress of these States is retarded. Had the States acted in this way, the land which remained under Spanish rule, the minerals would have been reserved for the miners. The subject is one for consideration and action of the California State Miners' Association when framing amendments to our mining laws.

MANAGEMENT OF MINES.

There is a class of people investing in mines, who, from a somewhat limited acquaintance with the present condition of the industry, imagine that the management of a mine is a business that can be undertaken without former experience in the business of mining is capable of making a success. They seem to think that a mine is a synonym of wealth, and that because mining is a great wealth-producing industry, their mine is figuratively a flowing spring from which dividends are to pour out, under the inexperienced supervision of a poor relative who has failed in other lines of business. Investors with this idea are more common in England than in the United States. They are not residents of the district, or, possibly, not even of the United States, and are interested only in the dividends. There is a sort of gambling in the mining industry, and naturally desire to be represented in the management of the concern by a friend or a banker, or a representative in whose case there is trust. This is a good motive, if their representative in charge has sense enough to know his own weakness, and hires a consulting mining engineer to periodically inspect the mine and give him technical advice, or employs an experienced manager who knows the mining and metallurgy of the mine, the property produces, both of which ways are an expense on the mine. This feature of incompetence in mine,
management has been the most prolific cause of failure of British or foreign capital to earn dividends and make a success of the operation of all kinds of mines not only in the United States but in other countries. Some capitalists do not seem to understand the fact that the successful operation of a mining concern in those times requires a long business training in mining, over and above the necessary qualification of ordinary commercial tact in trade and in the management of workmen.

The use of large plants in the operation of low grade ores has cheapened the mining and metallurgy of almost all minerals, and made experienced management necessary. The bonanza mine which is rich enough, so to speak, as to run itself, is not seeking a purchaser when it is found, for the owners know too well how scarce they are, and will not sell; they prefer to work on a small scale, and increase the enterprise from the profits of mining. At the present time, the class of properties requiring the investment of more capital are of the class which need the most experienced management.

THE VIZNAGA MINE.

The Viznaga ledge was the first discovered in what has proved to be one of the richest mining districts on the coast. As is often the case, these mines were discovered by accident. A Mexican, named Malindo, got into trouble and shot another Mexican. The shooting occurred in the Santa Clara Valley, over the mountains from what is now known as the Alamo mining district, and the man hid in the vicinity of these mines, as there are numerous fine springs of water in the locality. He reported his find to his brother, who visited him for the purpose of taking provisions, etc. When the Governor learned of the discovery, he pardon the man, as is often done in such cases in Mexico. This occurred in the fall of 1888; then followed one of the greatest mining excitements that has been known for years. Few people in this country will soon forget the mad rush that was made to this district when the report of the rich finds reached the settlements. Before sixty days, at least 3000 people were the ore milling into the hundreds of dollars per ton.

The present owners, A. W. Davis, H. F. Hartzell, and John D. Bliss, are well known business men of Los Angeles. Mr. Bliss comes from New York, but is largely interested in the Los Angeles county.

The mine is stocked for $1,000,000 under the laws of California, and regularly recorded in Mexico as a corporation, thus affording every facility for doing business here and in Mexico. The Viznaga mines are well located, being about 70 miles east of Ensenada, Lower California, and 75 miles southeast of San Diego. Alamo, four miles distant, is a thriving mining town of about 500 people, about one-half of whom are Mexicans. The elevation is about 4500 feet. Climatic conditions very favorable—not too warm in summer nor cold in winter. English companies are working some good gold properties. Good mountain roads from Ensenada to the mines. Freight delivered at $20 per ton. Telegraph and telephone lines from Alamo, and stage running between Ensenada and Alamo, carry-ing the mail, brings this camp within easy and direct communication with San Diego, Los Angeles and other important points.

The Viznaga group consists of eight claims, each of regular size, as prescribed by law, viz., 320 feet in length along the edge and same width, and contains about twenty acres. Course of vein northwesterly and southeast. The direction of lode is diagonally across the claims, and gives at least 1800 feet within the boundaries of the property.

The Viznaga mine, the only one of the group of mines that has been developed, presents all the characteristics of a true fissure vein. The vein matter is quartz, heavily impregnated with oxide of iron, and carrying gold in a remarkably pure state. The gold is of a high grade, averaging $16.50 per ounce, and milling as close as 95 per cent of fire.
assay. At intervals in this mine, large bodies of quartz occur in decomposed granular state, which yields an average of $30 per ton. In places the bodies are 18 to 20 feet in width. When found in this state, the ore requires but little mining beyond loading into cars and hoppers. On one of the workings of this mine, two or three miners can keep the mill supplied with ore.

The regular formation of this country is porphyry and slate. There is about 2000 feet of development work on this mine, consisting of two main shafts, the deepest 800 feet, with drifts and tunneling on every fifth, most of which have been run in ore.

There is at present, blocked and ready for stoping, 1500 tons of ore, and not yet blocked and at hoist, 10,000 tons more. The mill has averaged 6 to 8 feet wide. At the 200-foot level, ore shows an increase of sulphides of iron, and concentrations will be needed. We are informed by the owners that the ore has averaged twenty dollars per ton, and that the mill has produced over $80,000 in gold the past two years. Most of the milling has been done on ore taken above the 150-foot level.

From assays made by Lonergan & Callkins, of Los Angeles, on samples of ore taken from all parts of mine gives an average of value of $40 per ton, as the work was run in sight. These samples were taken by Mr. J. J. Lonergan himself, and it is to him we are indebted for much of the information concerning this extensive mining property.

The owners of this property deserve great credit for the faith and energy displayed in pushing the work the way they have. At present there are several companies in the mine, including the company's office, in Los Angeles. A collection of the finest specimens that were ever shown in Southern California from one mine.

The mill is well equipped, having a ten-stamp mill complete, steam hoist, pumps and necessary machinery, tools, etc., with buildings, owner's residence, superintendent's house, office and boarding house for employees. Water is abundant for mining purposes, wood plentiful, at $2.50 per cord.

There are few mining districts in the United States where mining can be carried on more economically than in Lower California—miners' wages $2.00, laborers $1.25 per day. The laws of the country are the very best for the protection of the investor, and, what is more to the point, the laws are strictly enforced. In all the writer's travels through mining districts, he has never discovered a greater spirit of cordiality existing between the officers of the government and civilians on one side and the representatives of foreign capital on the other.

CORRESPONDENCE

CALIFORNIA.

TOULUMNE MINING NOTES.

THE QUEEN OF SHEBA GOLD MINING AND DEVELOPMENT CO.'S GROUP OF MINES—MOTHER IIODE, TOULUMNE MINING DISTRICT—TOULUMNE COUNTY, CALIF.

The above company held their annual meeting at Mill's Building, San Francisco, and elected the following officers and directory for the ensuing year as follows:

President—M. J. White
Vice-President—James MacMullen
Financial Secretary and Treasurer (con-

solidated)—H. R. Hurlbut.


Dr. Drake was again elected as mine-man-aging director for ensuing year.

GOLDEN STAR MINES.

The above mine adjoins the Abona on the south. Tunnels are being entered 1 3/4 cut and another on the vein. In each place rich rock is being extracted therefrom.

JACKASS HILL MINES.

There is a large area of land owned by James Gillies, who farms out claims to pocket miners, who are leased on a percentage of the gross yield.

Large sums of money have been taken out of this tract of land—fully $400,000 by individual miners and who have increased our golden output during the last twenty years by the above sum in coin, and which is increasing monthly by several thousand dollars on an average.

The gold is found in small quartz stringers, in black metallic slate formation, on the east series of the Mother Lode. The owner draws down year by year a regular bonanza, equal to any large real estate owner in the city, and much safer—needs no insurance or repairs.

THE RAWHIDE MINES.

owing to the scarcity of water, have reduced the working staff. The same men who have been sent up to the company's new and powerful electric plant on the mountains—which when completed will furnish power for a cost of $2 per hour to the miners, the company, and the new quartz lodes, and it was left to Juan Andrade, a Mexican and old Comstock miner, to discover the new discovery, not a dozen feet from the stage road and about half a mile from the mouth of the canyon. The lode is on an average 5 feet, the assay value being about $20 per ton, free gold and gold sulphur. The quartz lode is in two parts, and runs in a northerly and southerly direction. The pitch of the ledge is about 45 degrees east. The hanging wall is porphyry, and foot slate. The quartz lodes are surrounded by dirt with iron. Andrade called his first find Bonanza No. 1. In this there is a shaft or incline on the ledge 100 feet deep; also a shaft on another part of ledge 60 feet deep. About 600 feet from this, on same ledge is another incline 50 feet deep, with water in the bottom and in good milling ore. Juan Andrade has been developing his claims and paying for the same out of his mining.

The Bailey & Shannon claim comes next, with a tunnel 110 feet, with a 20-foot ledge of $20 ore.

The Lowery ledge is a large one, but very little work has been done on it, the reason being, no money to develop it.

Next comes the Daisy Bell, with a four feet ledge of good milling ore. A tunnel is run in on the ledge 47 feet, with a shaft sunk at end of it, fifteen feet deep. Those mentioned are all in one group.

Next is the Old Jackass claim, located the same date as Bonanza No. 1, and relocated January 1, 1897, by Kemp & Co., has a 3-foot ledge of ore, which will average $30 per ton. The owners have started an incline and are about 15 feet on rich ore.

Vanbrugh & Shirley, which has a ledge 2/3 feet wide, with a shaft 50 feet deep. In this group are four other claims that show up well, but there has been little work done. Dore & Allen has a ten-foot hole on 2 feet of good ore.

The Dead Cow, Thos. Fruitt owner, has in it a rich streak of free gold ore, 1 foot wide.

Dove & King claim, 12-foot shaft in eighteen inches of good ore. On same claim, another
ledge, 3 feet wide, with a 20-foot shaft. Frank Carterman's 40-foot ledge in 40 feet tunnel, and a number of other claims, of which I have not the names.

The Slate Range is worked in from the south at this point, so as to form a porphyry on either side, and apparently cuts into this granite mountain in such a manner as to form dykes of all possible shapes. The top of the mountain, however, is above 2,000 feet higher than the canon—the canon being 2000 feet above sea level.

The owners of the above-named claims are all people of good standing. As well as the above, Leavell, Denver, and other sections south and west are suffering more severely than the more northern camps.

Bogus mining organizations, capitalized in millions of dollars, have their glowing prospects scattered all over the country, and stock is offered for sale on imaginary property, which produces untold wealth annually. Such are found in every town and city, and it is a problem for the miner to know which to invest with such rare companies. The profession of gold and silver mining is a problem, for the miner to know which to invest with such rare companies. The profession of gold and silver mining is a problem, for the miner to know which to invest with such rare companies.


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ing a clean-up in the “Grubstake” mine, poor Douglass lost his life. A cave-in of the banks covered him with a large mass of earth and boulders, killing him instantly. He was buried on the mountain, near the cabins, but it is expected that his remains will shortly be removed to San Francisco. Douglass was an able metallurgist and mining engineer, thoroughly honest, and his death was a great loss.

THE GRAVEL DEPOSITS.

The average depth of these gravel beds is thirty feet, and they bear every indication of being an ancient river bed. It is claimed by our State Mineralogist to be the bed of the old Owens river. It is course gold that is found here, and the quartz found clinging to it is perfectly white. No such quartz is found on the mountains except some ledges of barren bull quartz. “Where did it come from?” is the question long asked and unanswered.

QUARTZ LEDGES.

In addition to the location of the “Agamemnon Group,” embracing the rich find at the head of the “North Fork” of this canyon, the “Douglas Group” is immediately adjoining, and many other promising locations have been made in the Hucumac District within the last few months, and miners there are working their assessments in good faith and under the new law, and staying by it, and the probabilities are that this will prove to be a rich camp. The “Agamemnon” people are doing an immense amount of work, and report finding $4000 and $5000 ore in the last two weeks. The exposed ore on the surface of this claim is heavily oxidized, and some of it horns “away up,” but under the surface it is a sulphide ore. Peter Fleming, Esq., is building a stone house and fixing to stay there all winter, nearly 9000 feet above sea level.

Geo. N. Nolan.

On the Tip Top they are sinking on a 45-foot ledge, that averages $25. In this ledge is a vein, 8 to 16 inches in width, that carries $100 rock.

The Randsburg Miner says, on the Golden Bar mine at Johnsonburg, they are down 120 feet in shaft No. 1, and have a 13-foot ledge.

The Alameda has made another rich strike in shaft No. 3, where they found two feet of $250 ore, at a depth of 75 feet.

Grading for the ro-stamp mill will be begun the first of next week, when Messrs. Griffith and Ritchie, of Los Angeles, will be in Johnsonburg to supervise the work.

The concentrator expected to start up last week to run regularly. They have been much delayed by the non-arrival of some necessary parts of their machinery.

“A HUCUMAC-OLD INDIAN NAME!”

The origin of the name taken by this company, given to the camp, and now claimed for the “Hucumac Mining District,” on the San Bernardino side of Old Baldy, is said by many old-timers, and “well posted” people to be “an old Indian name, although the tribe to which this warrior belonged is involved in some doubt.

After a close inquiry, we are able to give a positive statement that this is a mistake. Inquiry of Judge Lewis A. Graff, who is attorney for the company, elicits the fact that the name was coined by Col. Stanton from the first letters of the names of three members of the company, who are distinguished citizens of Omaha, Nebraska, and these are the brave for whom the Hucumac is named.

Mr. W. H. Buckler is the present licensee of the company and is pushing operations.

HUCUMAC HYDRAULIC MINES ON SAN ANTONIO MOUNTAIN (OLD BALDY) IN SAN BERNARDINO COUNTY

Miscellaneous Mining News.

CALIFORNIA.

KERN COUNTY.

Work has commenced on the new railroad from Kramer to Randsburg. It is stated that this road will be an independent line, and will not be in control of the company that is to build the road from Salt Lake City to San Pedro.

Messrs. Hammond and Lively, owners of the Zelda, an extension of the Phoenix mine at Randsburg, uncovered a 13-foot ledge on that claim last week. The ore is free milling and averages about $10 on top.

A piece of ore, weighing more than 1000 pounds was knocked down in the Rattlesnake mine, near the Red Mountain, last week at Randsburg, and the boys had a nice time sledgeing and gadding it into pieces of a suitable size to load. A drift was being started at a depth of 27 feet where the big piece was knocked down. The rock goes about $40 per ton, and the prospect looks well.

LOS ANGELES COUNTY.

Articles of incorporation have been prepared for the Mohawk-Acton mine, formerly the Mudge, later the Yellow Rover, in the Soledad canon, near the town of Acton, this county. It will be incorporated under the laws of Arizona for 1,000,000 shares at the par value of $1, fully paid and non-assessable. There will be 200,000 shares of treasury
stock, 50,000 of which will be put on the market, through the call-board of the local mining and stock exchange. The officers and directors of the new company are: President, Oscar Hyatt; vice-president, H. D. Brown; secretary, Geo. B. Kettenstein, jr.; M. V. Harns and Theo. Summerland.

A cave occurred at the Red Rover mine, in Acton, last week, about 35 feet below the top of the shaft; but nothing serious happened. It will permit work in the mine for a week or so, but, as there is plenty of ore on the dump, it will not stop the mill. New timber is being now put in. The Red Rover has just finished another 30-day mill run. Reports say it has exceeded the clean-up recently, and which was the largest in the history of the mine.

RIVERSIDE COUNTY.

Messrs. Beach, Moore, and others have bonded the Iron Chief mine, in the Eagle Mountains, to Chas. D. Lane, of the Utica mine, at Angels’ Camp, Calaveras county.

Considerable ore has been shipped from the mine, that pays about $270 to $400 per ton of smelting ore.

SAN DIEGO COUNTY.

Judge Robert Gardner, of Julian, has purchased the Ruby mill, at Banner, and will hereafter develop and work his own mines and crush the ore in this mill.

G. H. Hubbs has found a rich ledge of smelting ore in the Alpine mine near Descanso.

Speaking of the mines at Hedges, C. W. Pasley said: “The mines are all in good shape. We have been running 50 of the 120 stamps until recently, and are now running 70. The gold is taken from the Cross and Crown mine. The rock runs about $8 per ton, and we crush 240 tons per day. Just before I left, we made a very satisfactory clean-up. Between 100 and 200 men are at work, partly Americans and partly Mexicans. The Americans are the “in-the-dark miners,” and the Mexicans shovel, cut wood and do purely manual labor. The wood is found on the desert, twelve or fourteen miles from camp, and it sells by the ton instead of by the cord. We pay $4 per ton at the scales. It is ironwood, very hard and good fuel. There are about 400 people in camp, and about 100 more in the vicinity. All are dependent upon the mines for support.”

SAN BERNARDINO COUNTY.

A correspondent of the San Bernardino Free Press says: “Baird’s mill will be ready to start up in two days. There are now over 200 tons of ore ready to mill.

Frank Sabatine has an eight-horse team hauling ore from Swezy & Arbois’ Black Lead mine. Next week he will start hauling ore from Botsford’s Brooklyn mine. This ore is to be worked by Baird’s cyanide plant.

C. N. Moore has hauled to Reite & Sherman’s mill 50 sacks of ore, which is said will run $50 to the sack.

Ellerman & Company have started work on their Ivanhoe. They have a 75-foot shaft and two drifts 30 feet in. The ore body is three feet in width and averages 50 to the ton, the ore being free milling.

Fred Envoldsen started work on the Sapphire mine and has also begun hauling ore to Baird’s mill.

Holiday & Ashmead are working on the Orizaba, taking out ore which assays $55 per ton. This ore will be hauled to the mill next week.

COLORADO.

Some high grade ore is being taken out of a lode 22 miles south of the Wheatfield, in the Mount Wilson district, which lies near the Seymour and Rock of Ages, and free gold is also encountered in considerable quantities in this property. Seneca W. Young is in charge, and has a number of men employed in the tunnel, which is rapidly driving on a much better quality of ore and a fast-increasing vein.

Cripple Creek Notes.

The dump of the Lucky Guss has been leased by J. F. Topping.

Important development work is going on in the Bidleman mining camp, and a new shaft, which will not only give better ventilation but economize cost of operating, by hoisting through one shaft instead of two.

Michigan parties, who have taken a lease on the Burns lode, have begun active development, sinking with air drills.

The following new mining companies have been incorporated:

The Grassly Hill Deep Mining and Tunnel Company; capital stock, $50,000; corporation, Cripple Creek district; offices in Pueblo; incorporators, Edmund H. Lunken, Lincoln B. Moses and E. W. Dunlap.


Imperial Gold Extraction Company; $100,000; Colorado; Denver; Henry B. Snyder, Edward Ring, Elon F. Wilcox.

IDAHO.

It is reported that two feet of ore are struck in the Red Cloud mine, located two miles southwest of Wardner. The strike was made last week in the tunnel, about 126 feet from the mouth, and at a depth of about 100 feet. Ore is silver-bearing galena. Assays have run high as 80 per cent lead and 20 ounces silver per ton. The property is incorporated. Most of the stock is owned by Wallace parties.

A number of locations have been made within the past ten days on the north fork of the St. Joe River, located on the headwaters of the river, about 12 miles on the east of Wallace. It is said one ledge can be traced several miles. The vein is in ironstone and carries a high percentage of copper. Samples of ore taken from the ledge show up well.

The owners of the Feathers Lode, on Sunset Peak, are making arrangements to resume operations in the mining camp, and expect to have a force at work all winter. The mine has had but little work done on it for several years. At one time it was considered one of the most promising claims in the Coeur d’Alenes.

The case of Snyder vs. Bell, the famous Eureka mining case, was called in the district court, Monday, Sept. 20th, and is now being heard. The litigation grew out of the location of a claim which took in the Eureka tunnel site after the rich ore had been discovered. Snyder’s partner, Frank Bell, is a brother of the locator of the fraction, and the impression prevails that he is a silent partner in the location of the fraction. Some novel points were involved. W. C. Hooks is looking after Snyder’s interests, while Bell is being cared for by Major W. W. Woods and A. G. Kerns. Every point is being bitterly contested, and the case is creating a great deal of interest.

NEVADA.

The largest bodies of ore ever found in Southern Nevada are now being opened up in the Tecahicup and Wall street mines, owned by the Southwestern Mining Company. One of the leads shows a 50-foot breast of ore that will mill $20 to the ton in gold. In another ledge an 8-foot body of ore runs over five ounces in gold to the ton. Charles Gracey, has opened the two mines in excellent shape and is looking for ore in sight to keep the 2-stamp mill pounding away for five years. The June output of the mill was $15,000.

At Bald Mountain, White Pine County, Nevada, Charley Born recently discovered a rich gold quartz vein while digging post holes for a fence. He has taken several tons of quartz from the veins, and thinks he has discovered a valuable mine.

OREGON

(Extracts from Oregon Mining Journal)

Frank Houston a few days ago discovered a rich free milling gold-bearing ledge near his famous placer mine at the head of Allthorpe creek. The ledge is fourteen inches wide and the rock is fairly alive with free gold.

H. C. Perkins of Grant’s Pass, was appointed receiver of the Coffman-Allen-McPhie ledge on Forrest creek, under a bond of $500, with the instructions to maintain the operation of the mine pending the final determination of the issues involved.

The new machinery for the mill to be used on the Miller ledge by the Humboldt Mining Co., of Josephine county has arrived at the mine and will be put in place as soon as possible.

The Joe Bar mines, owned by Reid, McMurray & Co., of Tacoma, were sold last week to W. H. Smith and J. D. McGill of San Francisco, for $50,000. The property is located at the mouth of Elliott creek on the Big Applegate, thirty miles south of Jacksonville. There are nine placer claims containing 170 acres, upon which there are now 4,000 inches of water running with a 200 foot pressure head, all of which have been patented, as there was only one small giant in operation last year.

J. W. Bevan and A. H. Bannister, of San Francisco, have purchased seven placer claims on Bald Eagle, near the Big Bar, at a good round price, from B. R. Haney. A rich strike was made near Sparta, Union county, last week by Dudley & Son. Ore from the ledge crushed in a mortar yielded $1.50 to the pound.

Nineteen and a half tons of ore from Dr. De Bar’s mine, in Jackson county, was at Fife, going to the mill last week and yielded well.
Mr. Franks of San Francisco, has closed a deal for the Woodcock claim on Red Dog and the John Taylor and Dudley Depuy placer claims on the upper Briggs creek, in Josephine county, the Woodcock claim being described as a deposit of its water right. We are informed that Mr. Franks will start in at once to equip the claims with a good ditch.

A joint stock company consisting of W. H. Beidler, A. J. Hicks, C. F. Young, E. N. Williams, W. H. Case, E. J. Lampson, J. F. Parker, F. H. Froman, of Gold Hill, and M. L. Burns, E. Burns, R. Burns, F. Strong and S. Woody, of Josephine county, have located 320 acres of high channel gravels on the banks of the Illinois river. The dirt runs 5 cents per yard in gold. Thirteen thousand inches of water been located and the ground has 500 feet of dump.

The company who owns the Olalla Mines in Douglas county is building seven miles of ditch, upon which 140 men are at work, re-ceiving from $1.75 to $2.50 a day. All construction work is done under the personal supervision of James Moylan, and is being done in the most substantial manner. The mine is a 5 ft. inclined stope at the top, 4 ft. at the bottom and at 3% ft deep with a carrying capacity of 4000 inches of water. Two number seven and two number four mills will be set in when the rainy season sets in, and they are now putting in a fifty arc electric light plant which will enable them to work day and night. They also have a two-stamp quartz mill at the mine which will be used in thoroughly prospecting a large deposit of conglomerate which is on their property and assays between $7 and $8 per ton. Messrs. J. G. Day, W. L. Boise, and J. G. Day, Jr., constitute the board of directors and own the entire stock.

After a thorough investigation a Portland company headed by J. D. Hart, has closed a deal on the well-known Kaiser ledge in Douglas county and are putting in a 20-ton capacity mill.

The Glenwood group, on the west slope of the Boiseana mountain in Lane county, is reported bonded to Eastern parties, through a Portland agent, and 200 feet of development work is to be started soon.

The Yellow Jacket group of eight claims, on the west slope of Pilot Rock mountain in Douglas county, are bonded to a Portland company. As soon as the preliminary work is complete it will begin active operations.

The Wall street group of seven claims adjoining the Yellow Jacket on the west is also bonded with a sale well under way.

J. G. Davidson, a mining broker of Portland, and associates have made a tunnel location, running under the peak of Pilot Rock mountain in Douglas county; also having a number of claims bonded on the west on the famous Music ledge. They think it will be a great property in the near future.

The Champion property on Lane county that was idle so long, was recently purchased by a Chicago capitalist. He has opened a new body of mining work. The ledge is wide and pretty high grade. The mine is dropping ten stamps, full time with a prosperous look.

The Star Mining Co, on Martin's creek, is putting in a new boiler and engine, and expect to have their five stamps dropping by October.

The owners of the Black Republican mine in Douglas county are still pushing develop-
ment work, and they will soon be in 200 feet. How much further they will go before they cut out the vein they cannot tell.

The contractor who is running a tunnel near Roseburg for the Roseburg Mining Co. expects to complete it inside of thirty days. The prospects are good. Already a small vein shows by assay $55 in gold and 10 per cent. copper, and the same character of rock as in the true vein.

Considerable work is being done in the Blue River mines, in Eastern Oregon. The Eva- chequer mine shows a 6-foot ledge of high grade ore. The Lucky Boy mine has had 300 feet of tunnel cleared out and partially remilled, and has a streak of rich free gold ore in the face of the tunnel, much rock showing gold to the naked eye.

The Northern Light Company has just erected a three-stamp assay furnace on its place on its Lion Hill property, which is up to date in every respect, and one of the finest to be found in the state.

Work at the Creche, at Park City is going forward, and the following reports that operations had been suspended. Secretary Lockhart is authority for saying the regular force, consisting of one shift of three men, is at work under Foreman Adam Paul on the 100 level sinking on the vein, and as rapidly as it is encountered, hoisting ore, though not for shipment.

Articles of incorporation of the Bonneville Mining Company, with a capital stock of $50,000, were filed September 24th, with the county clerk. Mr. E. W. Saportas, president of the Information and Registry Bureau, who, with Frank Crydo and Gus Wagner, experienced miners of Dawson City, left for the scene of the latest excitement, September 18th. According to Mr. Saportas, the route is passable, and not very difficult until within five miles of the promised land, but the last five miles present obstacles that discourage any one who was not an experienced prospector and mountaineer. There, in Mount Baker and its surrounding heights, enough gold, says Mr. Saportas, exists to keep prospectors busy for the next ten years.

In samples of ore that were brought back by the informant, Mr. Bogardus, the assayer, by a cursory inspection, declared that free gold existed in the samples.

The great strike of $10,000 to the ton, made in Bear Mountain, was verified. In Tomoloh, Rasterbrook and several others have been more or less equal to the discovery in Bear Mountain.

East of these mountains is Silica Creek, along which, many people say, is placer gold.

There are 300 people on the mountains now, and sixty more were met going in.

A well informed mining man of Sumas says: The gold discoveries in the mountains of Whatcom county are beyond doubt the richest in the annals of the Pacific Coast, or any mining ventures in the world. The most experienced prospectors who have just visited the scene of the recent "finds" corroborated the above.

The most recent find is Bald Mountain, situated in the northeast portion of Whatcom county, northeast of Mount Baker. The mineral range runs northwest and southeast, and today is located for thirty miles. There is no telling how much further it extends.

Every hill in the immediate vicinity of the find is covered with location stakes. The claim is protected by three experienced prospectors in the field, running from experienced men to "office seekers," who have forsaken their employers' offices to try their luck in the new fields.

The vein in the five claims, Lone Jack, Bennie, Sidney, Lulu and Whist, varies from three to five feet in thickness. It runs northwest and southeast, under a layer of phorphyry ledge, in a serpentine manner, and auriferous shale is on the ledge. The quartz contains a lot of sugar and rose color, carrying copper and silver. The vein can be traced half a mile. The cropping is under solid phorphyry.

The gold is "wire" gold, and can be seen by the naked eye. That there is great quantities of it there, no one who has seen the ledge can doubt. The formation of the range in which the find is located does not look to be very rich in minerals. If there is any placer mining, it has not as yet been demonstrated to be a paying proposition.

All claims in the immediate vicinity of the great finds have been taken and new men must go farther on. The country in which the finds are located is as rugged as can be imagined, and will take enormous sums to develop it.

Major Wood of the Washington mines recently shipped 3000 pounds of rich galena ore to Tacoma to be placed on exhibition at that place. The Major reports the working tunnel in now sixty feet and driving away on the three-foot ledge toward the main shaft some sixty feet further in on the ledge.

Within fifty miles of Spokane and inside the borders of the state of Washington is a promising mineral district which as been looked in the rush to distant camps. This district is reached from Newport on the Great Northern. Four miles down the Pend d'Orielle river on the east side and near Marshall Lake are a group of fine prospects as can be found anywhere. They carry gold and silver, and from one claim two carloads of ore is being shipped that average $400. One hundred men are working claims and prospecting around Newport. One end of the river, but thirty miles lower down, several prospects have lately been discovered which assay from twenty to thirty per cent. in copper and carry a four to six per cent. silver.

With the exception of one or two claims little development work has been done.

William Geisler of Darrington, was in Arlington the other day with some fine specimens of ore from his mine on the White Horse, being enroute to Tacoma to have it assayed. Previous assays on this ore have run from $65 to $96 principally in gold. Mr. Geisler and Frank Lawrence have been engaged in driving a tunnel on this claim for some time and they are now in 40 feet. They will continue work until the snow flies.
C. A. Hudson and Mr. Evarts, who in partnership with James Smith own the Smith group and seven mining claims on Jumbo Mountain in the North Fork district, completed doing the annual assessments last week, being assisted by John Blinnwood and James Smith, who own a claim in the same group. Besides driving three tunnels to a depth of about fifteen feet, they cut a trail to the mine, and expect to return next month with a fully equipped cabin soon, being highly elated over the good showing which the holes make and the fine appearance of the ore. They will have the ore tested soon.

E. B. Burdick is at work with several men on the Acme, located near Kettle Falls. A new hoist is expected and shipments will be commenced. It is said the ore will yield $140 to the ton.

Gold has been found in the dumps of the Highlander and Highland mines at Ainsworth which assays $29 per ton. Hereafter they will have all ores tested for gold, as well as for silver.

The Enterprise properties, situated six miles east of Bossburg are preparing to make early shipments. The Enterprise is a heavy lead producer.

The annual meeting of the North-western Mining Association will be held in Spokane, October 7th, 8th and 9th. Leading subjects pertaining to mining will be discussed, and each member will be given an opportunity to be heard.

News from Eureka says that last month one of the largest and best veins of white quartz in the camp was discovered about two miles east of this belt, and located by W. A. Stewart, John Truex and John Meyers, all residents of Eureka. The quartz is of the same character as that of the Republic, showing in instances a wavy structure not unlike a foliation agate in appearance. This new discovery has attracted a great deal of attention, and the surrounding country is covered with enough stakes to enclose a hundred acres. Some fine-looking rock was brought to town last week from a new discovery, 12 miles south, near the reservation line.

FOREIGN MINING NEWS

BRITISH COLUMBIA

Nelson.

During the month of August there were 257 notices of assessment work recorded in the Nelson office, representing at least $25,000 worth of work done on the claims. Since January 1st, 1897, there have been 1,107 notices of assessment work recorded representing a total of at least $110,000 worth of work done in this district alone. This amount does not include a vast amount of development work done, no record of which has been made.

Canyon Creek Placers.

These placer deposits at Canyon Creek near Golden—the leases of the land containing which are held by Messrs. McDonald & Cariin, Mitchell Innes, Batelle and Moody and others—are worked as far as any great extent, though Messrs. Mitchell Innes have done much more than others on their leasehold. Next year it is hoped that these river gravels will be more fully worked, as good surface returns were here got more than a decade since, and evidences of far richer gold deposits are found by shaft sinking to bedrock.

It is generally believed that coincident with the railroad extension of the C. P. R. there will be a large development of copper-gold mining in East Kootenay next year. The district has in the North and other mines some large and rich galena deposits, but speaking generally East Kootenay is expected to yield far more richly in copper bearing a fair amount of gold in lead bearing silver. Many prospectors are now at work all over the district, but East Kootenay greatly needs more outside capital.

At the Ainsworth Camp, the Petersons, of Philadelphia, are building a 20-ton concentrating plant and a tram in conjunction, in connection with their mine, the Highlander. It is claimed that the concentrator will treat ores for $2.75 a ton and the tram save $1 a ton in the cost of handling most of the ores on Munn Creek. It is claimed that though the Ainsworth silver-lead ores are low grade, they can in many cases be worked for $1.50 a ton, and being thus cheaply operated yield substantial profits. The Pilot Bay smelter will, moreover, under its new management, reduce rates considerably below the present usual one of $21 a ton for freight and treatment. Ainsworth mine owners are therefore in much better spirits.

The Golden Cache stamp mill is now ready to run as soon as the connecting tramway is completed, in respect of which a few more work further work is needed.—B. C. Mining Crite.

The Maud Hydraulic Gold Mining Company's property in Cariboo has been reblended to a New York Syndicate for $100,000, a second sum of $30,000 being paid to bind the conditional bargain. It is likely that the deferred deal will now soon be consummated.

MEXICO.

During the half-year, which ended June 30th last, 1,025 title deeds to mines were issued, covering 9,535 claims and a fraction. This exceeds the record of any other year, as will be seen by the following table. The number of claims taken up is of more importance as a gauge of mining activity than the number of title deeds issued.

<table>
<thead>
<tr>
<th>Title Deeds Issued</th>
<th>Area Covered by Title Deeds</th>
<th>Half-Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>First half 1892-1893</td>
<td>34</td>
<td>244</td>
</tr>
<tr>
<td>Second half 1892-1893</td>
<td>383</td>
<td>2,418</td>
</tr>
<tr>
<td>First half 1893-1894</td>
<td>340</td>
<td>5,028</td>
</tr>
<tr>
<td>Second half 1893-1894</td>
<td>621</td>
<td>3,889</td>
</tr>
<tr>
<td>First half 1894-1895</td>
<td>577</td>
<td>3,093</td>
</tr>
<tr>
<td>Second half 1894-1895</td>
<td>467</td>
<td>7,765</td>
</tr>
<tr>
<td>First half 1895-1896</td>
<td>880</td>
<td>7,484</td>
</tr>
<tr>
<td>Second half 1895-1896</td>
<td>1,844</td>
<td>7,966</td>
</tr>
<tr>
<td>First half 1896-1897</td>
<td>908</td>
<td>7,099</td>
</tr>
<tr>
<td>Second half 1896-1897</td>
<td>1,025</td>
<td>9,335</td>
</tr>
</tbody>
</table>

Sonora.

A syndicate, organized by Mr. F. E. Dickinson, has La Mina Blanca, a property which was worked in the days of the Spanish occupation, yielding very richly, and he will operate it on an extensive scale. A 40-ton concentrator will be erected and everything put in first-class condition. Mr. Wilson received from the City of Mexico the title to the property. In prospecting working of the mine there is a great deal of rich ore in sight, and the value of the old dump is estimated to exceed $100,000, much of it of very high grade.

A Cochise (Arizona) prospector, W. H. Randall, has located some rich copper and gold claims in the Ojo Mountains, Sonora. Assays of 8-foot stopping show copper and gold, with a good strong ledge cropping out for several hundred feet. William C. Miller of Brooklyn, is interested and is now completing the papers necessary to work the find.

A very rich gold mine was found lately by a Mexican wood peddler, near Corralitos, while digging for mesquite roots, or sepa. The Corralitos company heard of it by some means, and immediately purchased the claim, paying a good price for the same. It is said to be unusually rich, and the ore is free milling, so that there will be no trouble in working it. It is thought to be the richest mine in that section of the country.

The new owners of Las Animas mine have begun the development work on the property and have already made a wonderfully rich strike of gold. Some of the ore runs as high as $500 in gold to the ton. Extensive machinery for the proper stocking of the mine will be put in very soon.

Puebla.

The large deposits of copper oxides recently discovered in this state have just been secured by Inham Brothers. Without doubt, this will shortly be developed into one of the best paying properties in the country.

The property, known as La Para de Beneficio, in connection with the Parrand mine, is now nearing completion. Gold is being extracted in considerable quantities, and the possessors of shares, other than in exceptional cases, will not even entertain the idea of selling. The prospects are remarkably good, and the investors are correspondingly jubilant.

Norelos.

The San Francisco mine at Huituila in this state, has about 16,000 tons of ore in sight, which will average 60 ounces of silver to the ton. The mine has extensive workings and is about to be operated on a large scale.

The Santa Ana mine, in the same district, is in a most prosperous condition. The monthly extraction amounts to $30,000, the ore averaging 53 ounces to the ton, and in addition, about 12 tons of picked ore, running as high as 600 ounces per ton, is shipped monthly.

Durango.

The Guanechevi camp is doing remarkably well just at present. Among the most prosperous mines of the locality are those of the Anita Mining Company, which was organized in New York, and of which Jos. McDonough is the president, R. H. Husted the manager, and John R. Harbottle the superintendent. A 10-stamp mill is working at the mines. Mr. Norris started the run on the 27th of May.
Michoacan.

There is a great deal of prospecting going on in this state, attempts being made by several syndicates to secure control of the immense copper deposits found there. The recent sale of the Iguala property for $50,000,000, to a French syndicate, has caused a great boom in copper mining. Isham Brothers of Mexico have recently secured the most valuable property in the state, because of its high assay value in both gold and copper, and its special advantages for cheap extraction and treatment. Several other smaller properties have also been sold to American and English capitalists.

GENERAL NEWS.

A DRY CONCENTRATOR.

It has been fully demonstrated that, to effect a close concentration of the metal from the gangue, it is needful that the granulation of the ore should be as near even as it can be made. To accomplish this, Mr. J. B. Freeman has invented and perfected a peculiar mechanism in an ore breaker and an ore pulverizer, in which both jaw plates are caused to be moved in opposite directions; there is at the same time a closing motion—virtually tearing the rock apart along the lines of its cleavage and fracture. An exhibition of the small amount of power required was made to the writer by the inventor placing within the jaws of the breaker a piece of hard quartz, about three inches in diameter, and, by a direct pull on the balance wheel, breaking the rock in several pieces. The pulverizer is made on the same principle, only the construction is somewhat different. While the jaws of the rock breaker move only to the center of closing, the jaws of the pulverizer pass as far the reverse way, thereby making a peculiar motion, one jaw going one way, while the other jaw is going the reverse way. By this method, a very even granulation of the ore is made, and the manner of making three or four sizes of the granulated ore enables a very close saving and concentration of the ore to be made.

The ore is passed through the rock breaker where it is broken to what will pass 1 ½ inch ring. It then goes to the pulverizing machine, where it is reduced to where it will pass a No. 10 mesh screen. About one half of the ore has been reduced to a size that will pass a 60 mesh screen. The remainder is sent to a pair of rolls for finishing.

By this manner of pulverizing, the granulation of the ore is very even. The finer particles, that will pass a 100-mesh screen, having a sharp feeling, in strong contrast with the product of a stamp mill, which will have a soft, greasy feeling. The ore, after passing the rolls, is elevated to a revolving screen, where it is sized to the required fineness, the particles that are not fine enough are returned to the rolls for regrinding.

By various experiments, it has been found that by sizing the particles of pulverized ore, i.e., getting the particle of quartz and particles of metal classed together as to size, a better separation of the metallic substances can be made. A force sufficient to effect a concentration of ore that would ordinarily pass a 40-mesh screen, will be far in excess of what will be required for that which will pass a 100-mesh from the Freeman Concentrator. Thus, by making different sizes, and passing each size to a concentrator of its own, a more perfect concentration can be made than could by passing the pulp through old-style concentrators. After the ore is granulated, it passes through another revolving reel, where it is made into four grades, and is then conducted to the pulverizer.

There have been placed two of these plants, one of 20-ton capacity, at the Corona Mining and Milling Company, in the San Jacinto Mountains, and the other of 10-ton capacity, at Del Monte, California.

The following results have been made from samples of ore treated at the works—1/3 ton of ore, assay $24.50 gold per ton, saving free gold $5.50: 10 lbs. concentrates, value $75 per ton. 400 lbs. ore, value $125 per ton gold and silver, saving $723.66.

And many others, where the saving has been from 75 to 96 per cent of the precious metals. The plant can be seen in operation at 2070 Willow Street, Los Angeles, Calif.

PERSONAL NEWS ITEMS

Ben T. Lloyd, of Salt Lake City, the energetic assayer, has taken a trip to Mercur recently.

R. B. Wolfe, a mining man from Johannesburg, South Africa, has been visiting Johannesburg, Kern county, California.

Ben Havens has accepted the position as manager of the Wise Mountain Tunnel and Mining Co.

Frank Griffith, of Los Angeles, has gone out to Johannesburg to superintend the construction of a stamp mill which he is interested in.

Colonel H. G. Heffron has returned to Salt Lake, Utah, from Idaho, where, near Castle City, he has been making an examination of some low grade propositions for Chicago parties.

Jack Flannery has returned to San Bernardino from Klondyke. He has been north for the last two years, between Sandon and Alaska.

A. H. Kerr, of the Sixtillion copper mines, was in Grant's Pass, Oregon, last week.

F. R. Dieters, of Minneapolis, Minn., has arrived at Hermosillo, Sonora, Mex., and will shortly go to San Juan Grande, where he is heavily interested in some very promising mining operations.

W. R. Fales, a Boston mining engineer, has been spending several days at Johannesburg, looking over the camp with the idea of investing in Kern county mines.

N. J. Coleman, a prominent mining man of San Francisco, is in Grant's Pass, Oregon, inspecting the Oregon Bonanza quartz mine.

J. C. Cruse, a large stockholder in the Val Verde mines, at Johannesburg, Ca., spent several days at the mine examining the property.

John Corr, of Santa Cruz, Calif., is visiting Josephine county, Oregon, inspecting some mining property in the vicinity of Grant's Pass.

R. P. Blansnight, of Los Angeles, was in Johannesburg, Sept. 18th, on business.

Pete Anderson, son of deputy assessor, W. A. Anderson, of Riverside, Cal., has gone to Klondyke.

Prof. Gino, W. Treadwell, who is superintendent for an English company, operating in Nevada City, Cal., has been on a visit to Phoenix, Ariz., his old home.

H. B. Mathews, a well known machinist and millwright, in Clear Creek and Boulder counties, Colorado, left Denver last week for Vernon, British Columbia, to erect a stamp mill built by the J. H. Montgomery Machinery Co., of Denver, Colo., who reports business as usual.
THE MARKETS.

New York, Sept. 27th, 1897.

The following are the Silver, Copper and Lead quotations for the last two weeks:

- **Silver**: 33.26c. per ounce, 32.96c. per pound, 33.62c. per ounce, and 33.12c. per pound.
- **Lead**: 39.50c. per ton, 39.25c. per pound.
- **Copper**: 100.00c. per ton, 100.50c. per pound, 101.00c. per ton, and 101.50c. per pound.

TIN

The market is devoid of any new features. The improved condition of the silver market has had no effect upon values. Consumption in New York continues at a satisfactory rate. Stocks of the metal are scarce at present but several large shipments are expected to arrive daily. New York quotations of Stranghs tin for spot, $13.25 to $13.75, and future delivery $13.70 to $13.90.

PLATINUM

Prices are from 84c. to 85c. per ounce, and 84c. to 85c. per ounce.

QUICKSILVER

The New York quotation is 37.50 per gallon.

COPPER

Lake copper is quoted in New York at 11c.67c. per pound, and 11c.67c. per pound.

LEAD

Owing to the scarcity of consumers and increased supply the lead market quotations have declined to about $4.90.

ANTHONY

Sales have increased considerably but prices remain the same.

The quotations are 8c. for Cookson's 6c. for Hallett's, 5c. for Japanese and 7c. for U.S. Star.

NICKEL

There has been some movement, but no change in prices can be reported.

CHERKOM

The chemical market in New York has made a slight improvement in the past few days. Quotations generally are as follows:

- **Cadmium Sulfide**: 60c. per pound, 62c. per pound, and 63c. per pound.
- **Cadmium Sulfate**: Domestic, 56c. per pound, 56c. per pound, and 57c. per pound.
- **Cadmium Chloride**: Domestic, 56c. per pound, 57c. per pound, and 58c. per pound.
- **Cadmium Sulfate**: Domestic, 56c. per pound, 57c. per pound, and 58c. per pound.

PLATINUM

Prices are 8c. per ounce and 8c. per ounce.

COPPER

Lake copper is quoted in New York at 11c.67c. per pound, and 11c.67c. per pound.

LEAD

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NICKEL

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The mining and Metallurgical Journal

The statement of the United States Treasury on Tuesday, September 24, shows balances in excess of outstanding certificates as above, comparison being made with the statement for the corresponding date last week.

<table>
<thead>
<tr>
<th>August 31</th>
<th>September 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>$16,414.97</td>
</tr>
<tr>
<td>Silver</td>
<td>$17,990.57</td>
</tr>
<tr>
<td>Total</td>
<td>$34,405.54</td>
</tr>
</tbody>
</table>

The deposits of national banks amounted to $16,982,577, a decrease of $230,728 during the week.

Exports of specie from San Francisco by water for the eight days ending August 31st were:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>$11,227,488</td>
</tr>
<tr>
<td>Silver</td>
<td>$8,494,889</td>
</tr>
<tr>
<td>Total</td>
<td>$19,722,377</td>
</tr>
</tbody>
</table>

Of the gold this year, $2,105 was in gold coin and the balance in coins. The silver included $2,100,024 in United States coins, $7,310,304 in Mexican coins, and $1,912,050 in Mexican dollars. The despatches of these shipments were as follows:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>$1,855,024</td>
</tr>
<tr>
<td>Silver</td>
<td>$7,310,304</td>
</tr>
<tr>
<td>Total</td>
<td>$16,865,328</td>
</tr>
</tbody>
</table>

The increase in gold this year was entirely in gold coin shipped to New York. The shipments of silver coin were large, the total amount sent in August having been $1,844,017, of which $1,844,017 was in Mexican dollars.

MINING STOCK MARKETS.

Los Angeles, Sept. 30, 1897.

Owing to the removal of the Los Angeles Mining and Stock Exchange to its new quarters in the Hume Block, the condition of the market could not be ascertained, but is of necessity somewhat upset.

Wedges stock has fallen to 4 cents, at which price considerable business was done. The stock is down to 25 cents. Rand Mt. holds steady. Pacific Consolidated stocks seem to be active. The unlisted stock Portland of Arizona takes the lead, shares selling at 65 cents, but little further with 25 cents per share.

At a meeting of the brokers last week it was determined to secure if possible the co-operation of the railways in the advertising of the mining districts in the Southwest in such a manner as is done in Colorado and Utah, and resolutions were passed to that effect.

New York, Sept. 29, 1897.

The mining stock market shows an increased volume of business and the tendency is toward an improvement in this class of speculation. During the last week prices have advanced admirably, some of the most prominent stocks selling at nearly double last week's quotations.

The most active stock on the Consolidated Stock and Petroleum Exchange was Fortuna. The Comstock and Colorado stocks showed a moving line and in the majority of cases advances have been made in the price. Another good stroke of luck is the advancement of the silver stocks on account of the rise in the value of the metal.

The Mining Exchange is doing a fair business in general and is being attended by a party of Colorado people. This body is at the head of the Annette and Almaden companies, and their latest stock is the Goldfield, situated in Idaho Springs, Colorado. The capitalization of this company is placed at $2,000,000, of which there are 86,000 shares of the stock in the treasury and a market value of $1.

Homestead of South Dakota was a very active stock in regard to bids and offers last week, but large sales of issues.

Canon Ball of Colorado was quite a feature, good prices ruling and numerous sales consummated.

Some activity was reported in Nevada stocks, but few sales were made. Other stocks remain featureless.

Salt Lake City, Sept. 24, 1897.

The mining stock market this week was more active than for some past time. No special change in Chicago. Operations at the mine are light. Anchor stock at a standstill. Regular operation continue at the mine. Bullion-deal will resume dividend payments in October, at the rate of 6 per cent. No change in the Hekew stock, developing work at the mine.

Continental Sahara Beka continues strong with few sales in the market. Proceeds for the well. Continued activity was displayed by Chloride Point.

The Dials were slightly stronger. Drexel stock holding its own. High-grade gold ore sent from Oatman. Dalton and Dutton & Lark were inactive. Eagle stock quiet as usual. Development work was going on. Pachuca, Mexico, has declared its September dividend of 4 cents per share. The directory has been changed. President of the Mercur company is a resident of the Geyser-Marion. Stock has advanced rapidly. Galena was somewhat stronger, while Grand Central remained inactive. No change whatsoever in the Bonanza.

Offers of Mercur were not heavy and prices are holding strong. Property there is extremely well and making a fine record. Mammoth stronger on Monday of this week in $1 grade and was holding its own. Northern Light selling well with better prices. Ontario gaining. Omaha shown in in report. Reports say both the Swanswos and miners in building. Silver King though a strong stock is still stronger this week. Sacra mento mining. No change in the issue operations not resumed yet. Sunbeam was inactive. Utah is looking well and making good ore shipments.

San Francisco, Sept. 22, 1897.

The market has fallen off to a much lower figure this week. Occidental has held its own through with a strong figure of its stock. A latent speculator is in the stock of the Hale & Norcross, which shows that the shares are being picked up. At this writing the market looks completely demoralized but those who have been informed look for better prices before long.

From the Comstock the mines' reports continue to come in of active working going on from one end of the hote to the other. Con, Virginia has recently completed some miling tests which prove very satisfactory in every way.

The mining of the Utah, either in the stock on the exchange, development work or material encountered in the mine, shows no change.

Sierra Nevada stocks were featureless, the discount maintained to the Loyalton tunnel and the 900-foot level.

They are still drifting south in the Union with porphyry in the face of the mines. Some of the mines on the Alt, Parmelee and Gould & Curry is confined to the east cross drift on the 600-foot Bonner shaft level into levels whatever are obtainable from the Bullion.

Caledonia has taken a decided advance. Work continues at the mine very satisfactory. Active work is reported on the Alta, Parmelee and Gould & Curry.

There are great expectations ahead at the Brunswick hode, and active work is being prosecuted. In Chollar work is confined to the 300 foot, 400-foot, 500-foot and 600-foot levels. Connection has been made between the two last.

Kosblad, B. C., Sept. 24, 1897.

The mining stock market here is entirely devoid of any new features. The bulk of the stock is declining. Some of the new stocks are holding their own. Quotations from the Oui are unchanged, remaining at about $8.50. Work continues at the mine very satisfactory. Active work is reported on the Alta, Parmelee and Gould & Curry.

There are great expectations ahead at the Brunswick hode, and active work is being prosecuted. In Chollar work is confined to the 300 foot, 400-foot, 500-foot and 600-foot levels. Connection has been made between the two last.

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Will show what you can get out of it.

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San Francisco, Cal.

Mineral Building

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