

# GOLD MINES OF MERCUR CAMP.

A review of the Mercur camp for the | quantity of oxidized ore in sight. The year presents the Consolidated Mercur's property in a very favorable light, notwithstanding a general lack of interest in the district during the past year or two. Con. Mercur is the mainstay of the camp though the Sacramento adjoinnig has, until lately, treated an average of 150 tons per day. The records show the ore to have averaged up very well as compared with other years. The average is slightly lower and the tonnage shows a failing off during the past few months. The production for the year amounts to almost \$1,475,000 or nearly 74,000 ounces of fine gold. The tonnage for the year, with the month of December estimated, is placed at 280,000 tons. An extraction of about \$5,27 per ton is thus shown to have been made, which is about 60 cents per ton less than that recorded | last year. During the year the tailings have averaged \$1.03 per ton. This added to the amount extracted from each ton of ore, shows the value of the ore to be \$6.30 per ton.

Notwithstanding the fact that a cut dividends for a considerable length of time. The cut in the tonnage was made necessary by the shrinkage in the along steadily and it looks as if the dividends for a considerable length of ter, an extraction of \$1.30 per ton not in the Lulu Incline, which was started 240 feet from incline No. 27. This in-cline heads due north, that being the rection at R. G. Legg.

company has any amount of base ore in the mine, but as the roaster capacity is limited, it is impossible to keep supply of oxidized ore continues to be quite low, but it wil probably be offset by the important development of mixed ore on the Viking level of the Golden Gate. The company is also making some changes in the roasting furnaces by which it expects shortly to handle 600 tons of base ore per day instead of a little over 400 tons as at present.

## TAILINGS TREATED.

up the old Mercur company s mill at Manning on the old tailings dump of the Mercur mine. In June, when the start was made, and for some time thereafter the results were not entirely satisfactory, but a much better savin ; has been made of late. About 60,090 tons of tailings were passed through the old mill up to December 1st, from which an extraction of 95 cents a ton has been made. The cost of operating

was made in the tonnage during the is placed at 55 cents a ton, which leaves year the mine is in good condition and a profit of 40 cents per ton or \$24,000. it looks as if it will continue to pay | Of late the results have been much bet-

step will add more than \$100,000 to the | dip of the vein. It is now down \$50 company a treasury. FOWER PLANT.

On February 1st of the present year the company started up its power plant which is modern and up to-date in every particular. It is equipped with a battery of 6 large beliers and 2 powerful engines which operate two elec-tric generators. The current thus gencity is limited, it is impossible to keep up the daily average by using more base ore when the supply of oxidized ore is from any cause unavailable. The envolve of oxidized ore continues to be from outside sources.

### NEW DEVELOPMENTS.

The company spends from \$1,000 to \$3,500 per month in dead work. By this is meant the running of drifts, cross-cuts, raises, ric., to discover new ore bodies and explore virgin ground. The results of this dead work have been very gratifying during the year 1301. Men tion has already been made of the dis

covery of mixed ore on the Viking level of the Golden Gate. More important During the year the company started | perhaps than this discovery is the do velopment of a fine chute of ore in the Lulu workings of the old Mercur prop-erty. Before this year the 400 feet of virgin ground between the Lulu workings and the workings in the main part of the Mercur was comparatively unknown. Doubts were felt as to its ore bearing qualities. During the pros ent year it has been demonstrated that this stretch of ground is all ore bearing Incline No. 27 has been sunk on the dip of the vein nearly 200 feet and a dipe chute of oxidized ore, carrying from \$4.00 to \$10.00 per ton has been exposed for the entire distance. Levels are being opened from the vein which has been proved to be large and continuous. The incline heads northcontinuous. The metine many pushed westerly. Work is also being pushed

## FISH SPRINGS.

feet in good ore all the way. Six lev-els have been run from different places in the incline and a great deal of ore has been developed, much of which is oxidized, the rest being base. Assays show values ranging from \$6 to 340 per ton.

## GOLDEN GATE ORE.

The Golden Gate has disclosed a fine body of mixed ore in incline No. 6 from the Viking level. Several levels have been driven from the incline and it has neen raised on to a point above the main level of the mine. A confusing system of faults has perplexed the management for some time, but recent developments have caused much ela-tion on the part of the management. The Golden Gate is now supplying half of the ore treated at the mine.

## WAGES PAID.

A new departure was made at the Northern Light on Lion Hill during the past summer. After prospecting on and above the tunnel level for some time past the company decided to sink and, if possible, intercept the continuation rich ore chutes found years ago. Thus far no new developments are reported and none are expected for a few months. The shaft is now down about 150 feet below the tunnel level and a force of 9 men is engaged in drifting to a point where a continuation of one of the richest ore chutes in the mine is expected to be intercepted. During the summer about \$2,000 worth of cyanide product was marketed, the result of a short mill run on ores taken out last winter in development. The property is being worked under the di-

The Utah mine is located at Fish Springs, Junb county, Oasis being the nearest railroad point, seventy-five infles distant. Of the company Mrs. E. T. Crismon is president and E. M. Weller, vice president and secretary. A: depth of \$20 feet has been reached in the shaft, from the bottom of which a drift has been run on either side, the east drift being 50 feet in and the west about 30 feet. The latter follows a vem of carbonate ore, carrying from 89 to 100 ounces silver and 50 per cent lead. The east drift is being run to catch the ore which was encountered on the 750 level and in order to do this the drift must he run 250 feet. Probably three months will be required to complete this work, when it is expected that the ore in that vein will have improved with depth and that an increased output will result.

The company has paid out the sum of \$415,000 for labor during the year. An average of 520 men are employed in the nines and mills of the company and the rate of wages is \$2.50 per day. tons a month has been shipped during the year and in December the output is expected to exceed sixty ions. At the 650 level ore is also being extracted, which runs from 80 to 100 ounces in sli-

ship upon a paying basis, and with the advent of closer railway connection the property will prove to be a bonanza. H. S. Joseph will furnish information

## **PROPERTIES IN PARK VALLEY.**

received much consideration at the has been spared to make it thoroughly hands of mining men during the past year, caused principally by the devel-opments in the Century gold mine in that camp. Numbers of mining mon state. have visited the camp, the opinion is almost universal among them that the camp is all right. The Century is, of been opened a distance of 540 feet on the course the most interesting property in its strike. The pay streak at that point camp is all right. The Century is, of the camp though there are several offi-er groups of claims which promise big things when more development work shall be dong. The Century has been equipped with sixteen stamps quite re-cently and the company expects to be-gin the payment of dividends before summer comes again.

The group was located about four years ago by John Angove of Park City, who was prospecting in that vicinity for lead. The property was incorporated and a small mill was built, capable of handling a few tons per day. It proved a failure and a 3-stamp Merral's mill was then installed, which male money for the company. In the meantime the ore hodies were being develoed and eleven months after the installation of

capable of handling between fifty and sixty tons of ore daily. It is a combination of amalgamation and concen-tration, the ore treated running between about the mine to anyone desiring it. | \$8 and \$15 per ton. The mill is equipped company. The company owns fourteen

Park Valley in Boxelder county, has | with a splendid engine and no expense

### THE MINE.

The physical condition of the mine is excellent. On the 300 level the vein has is said to average four feet in width, though it sometimes runs eight feet in width. The most important work done this year have been the driving of a lower tunnel to intercept the vein 150 feet below the upper workings. The Teet below the upper worangs. The tunnel was also designed to enable the company to handle its ores more eco-nomically. Quite recently the sanage-ment upraised from the tunnel and made connections with the 300 level. By means of this connection all the re new being stored above. Is drouned to the being stoped above, is dropped to the tunnel level and conveyed to the Lew mill at a minimum expense, as the top of the mill is on a level with the tunnel.

The incorporation of the Planet Mining company was effected this year, ne-ing the outgrowth of the old Planetary

