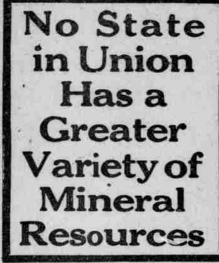
THE MORNING OREGONIAN, WEDNESDAY, JANUARY 1, 1908.

## ASAMINING STATE OREGON BIDS FAIR TO RANK HIGH IN NEAR FUTURE.



President Sumpter Devenop-ment League.

the close of the year 1907 the condition of the mining camps in Eastern Oregon, the district embracing Baker, Grant and Malheur countles, is much more satisfactory than at any time in the past three or four years. One of the facts verifying this conclu-sion is that the smelter in Sumpter has been able to run for a period of several months longer than any time since it was established. The ores which have made this possible came, very largely, from the districts contiguous to Sumpter.

Over on the cast side of Baker County, through what are properly known as the Eagle Valley and Snake River districts. tributary to Baker City, the metropolis of Eastern Oregon, a number of copper properties have undergone partial development during the past Summer, which indicate that a very large number of vast deposits of low-grade ores exist in those sections. Further south, in the Mormon Basin country, one big property has reached a stage of permanent pro-The property is known as the Rainbow, and is operated by a close corporation, composed of Portland people From general accounts this mine is now producing at a rate of about \$25,000 a The success of this property has caused much development work in that

Still further south, in the Malheur section, desultory development on quarts holdings has progressed; but most of the attention bestowed on mining by the people of that district has been devoted to the shale lands where oil and gas indications have caused surprising re-



is owned by Portland people, and for many years steady work has been carried on, developing immense deposits of cin-nabar ore, experimenting with the process of extraction and building equipment. Mr. Dennis, the manager, has worked out a special process of his own for treating this ore, and has perfected what is coucompany is now putting the finishing touches on a large-capacity plant of this kind, complete with all accessories, inkind, complete with all accessories, in-cluding modern electric-power plant, etc. Briefly, the mineral values of Lane County may be summed up as having been already "discovered-developed-and-demonstrated." We have minerals in wide variety, including many not named in this article. Among the more im-portant, and we might say staple ones, practically every one is "in sight" in our mines in enormous quantities, there being now blocked out, ready for stoping. bing now blocked out, ready for stoping, hundreds of thousands of tons of ore, which will pay, and pay well, with the extension of proper transportations fa-cilities to the different localities.

NEW MINES OPENED IN SOUTHERN OREGON

Gold Pincers First Worked 50 Years Ago Still Yield Well - Future Lies in Quarts.

Commercial Club. S INCE the early '50s mining has been carried on to a very consist tent in Southern Oregon, Placer mining at its inception in Oregon was confined to the methods which were in

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HYDRAULIC MINING SCENE IN SOUTHERN OREGON GOLD PLACERS.

ports to be brought from there by men equipment involved in steam plants, and formerly prominent in the Sumpter dis-also permit prospectors to tap the wires

The mining region from which comes the greater portion of Oregon's output of gold is that which is popularly de-scribed as the Sumpter district. It takes its inception at Rock Creek, extending en a line south 40 miles to the old placer streams in Grant County out near Susan ville, John Day and Frairie City. Em-braced in that territory are four or five big producing mines and some 30 or 40 smaller ones, all of which in 1907 made shipments to the smeller at Sumpter. Notable among these are the North Pole Notable among these are the North role, Columbia, Imperial, Pyx, Present Need and the Standard. The smaller prop-erties in the aggregate have produced probably as much as the larger ones. In round figures this territory probably produced \$750.000 in gold during 197. The number of man employed in the mines

number of men employed in the mines in this district will approximate 1000.

In this district will approximate 1998. One of the causes of confidence in the future, an attribute that is peculiar to this zone, has been the almost startling return of values in the old Red Boy. late in November, after months of work. at a depth on the level that is known as the Blacksmith tunnel. Since that time work has progressed to such an extent to so to demonstrate a remarkable value in the velo which is from seven to eight feet wide and will give backs of 100 to 500 feet. From comprehensive feets, it is indicated that the values run from \$35 to \$70 a ton. The facts concerning this property indicate that it will go to a state of permanent production which means much to the entire territory. The

parties in control are also the ones chieffy interested in the Fremont Power Plant which was completed in October of this year and represents an investment of probably \$300,000. The power gene

The power generated by this great plant will be distributed over the entire Sumpter district. This means much economy in all future development work, wherever it goes. It has been demon-strated by the use of a small portion of it in the present work at the Red Boy The electric drills employed there went through rock at a cost of 510 a foot, which otherwise costs from 555 to 550. The introduction of electricity will do away very largely with the extensive

also permit prospectors to tap the wires and get their properties into shape with-out the necessity of heavy expenditures for machinery. It will also settle a very important question in the matter of fuel. The Fremont power plant was evidently designed very largely to furnish the "juice" with which to drive the seed Boy's machinery. The transmission line has been extended into the Bourne distriot, however, and contracts have been made with several managements, notably the North Pole, which will result in the electrification of their entire plants. Next season, I am informed, the company will probably extend its transmission line into the Greenhorn, Cableville and Guartz-burg districts. Several managements in those territories have asked for the power, and with the return of confidence in their sections it will probably place them

their sections it will probably place them in the position to make contracts. During the year 1907 more legiti-mate, honest, labor was expended on a number of properties that were on a flota-tion basis than was expended during the coin-gathering period. The result is shown in several sections, particu-larly at the Standard mine. In the Quartzburg district. From present in-dications this property will now be dications this property will now be equipped with the machinery that will give R a very heavy output of concen-trates for the smeller and keep its large mill busy for some years to

come. And further evidence of the return of confidence in this section was made manifest a few weeks ago by the pur-chase of property in the Cableville section, adjoining the imperial, by Portland people who are planning at the present time for extensive devel-opment work sayly in the Spring Sevopment work early in the Spring, Sev-

eral miles south in the Greenhorn sec-tion another sale of what is known as the Bi-Metallic has been made to Cinthe Bi-Metallic has been made to Ch-clinati parties. The development work on this property has exposed a body of ore containing uniform values for which milling treatment was necessary to put it on a profitable basis. The owners are now intending to install a plant on this property early next Spring. to put it on a profitable basis. The owners are now intending to install a plant on this property early next Spring. It is now quile certain that the Sumpter i velved in long wagen bauks.

camp, and for a number of years parties of men were engaged in washing gold from the beach sands along the Western border of Lane County. This enter-prise yielded quite handsomely at times. considering the small outlay necessary, out has now been abandoned. This early exploitation served a twofold purpose:

It furnished a satisfactory opportunity for operation to that ploneer of the mining industry, the prospector and old-time placer miner, and also dem-onstrated to future operators that the

latter 25 miles southeast of Cottage, 50-ton plant on the Great Northern in Grove, on a fork of the Williamette River. the same district, the very extensive A branch railroad is being built from equipment and power-plants of the Ore-A branch railroad is being built from equipment and power-plants of the Ore-Cottage Grove to the camp, some 18 or 30 miles of which is now in operation. Several fundred different claims have been staked and are being developed in each of these camps, nearly every one of which yields free gold on the surfact. This feature has proved an especially magnificent bodies of rich ore have been exceed and are being developed in which lave never, as yet, hastalled value-saving machinery. deep development work has been entried on, with the result that the been is that it makes returned the been is that it makes returned the been is the surfact. mountain region of this entire county is favorable one, in that it makes returns exposed, and are being blocked out, the



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Valley Baliroad will be extended from its present ferminus some 20° or 30 miles to Susanville, during the coming Summer. It can be seen that this move on their part their part will have a very wholesome effect on the mining industry, as in the vicinity of Susanville are a number of partially developed and one of two proven memorials, which contain from orae much

vogue in the early days, viz.: Washing in pans, then the "rocker," later the "Long Tom," and still later the sluice "Long Tom," and still later the slules box. We now have the hydraulic "Giant." with its powerful stream, boring into the foundation of deposits of gravel which lie in the beds of ancient river channels, thus causing them to case off in huge masses, when they are torn apart and passed on through the flumes and sluices, leaving the precious yellow metal in the riffles to be gathered up, melted into "bricks" and shipped to the mint for colnage. colnage.

Many millions of dollars have been Many millions of dollars nave been taken from the gravel beds of Southern Oregon. The principal districts which have contributed to this enormous wealth nave contributed to this enormous wants are the Waldo district. In Josephine County, in which the Old Sallor diggings were located, which produced as high as \$500 a day to the man, and the Sucker Creek and Althouse districts, in the same county, which include the famous "Briggs strike" of two years ago, and Which have added millions of dollars to the wealth of the country. At the pres-ent time placer mining is successfully be-ing carried on at Gallec Creek, Grave Creek, Louse Creek, Williams Creek, Wolf Creek and on the Applegate, Rogue and Illinois Rivers.

Wolf Creek and on the Applegate, Bogue and Hinois Rivers. The large placer mines in operation at the present time are the Logan & Sim-mons and Deep Gravel Mining Com-pany's properties, in the Waldo district; the Columbia, at Graves Creek; the Old Channel Mining Company, at Galice, and the Sterling mine, in Jackson County. Quarts mining is now taking the lead in Southern Oregon. Rich soid and com-

Quarts mining is now taking the lead in Southern Oregon. Rich gold and cop-per mines are being opened up in nearly every section of the two counties men-tioned. The copper mines are attracting the attention of capitalists all over the country. In Josephine County, the Waldo Smelting Company has been operating a 160-ton smelter for the past three years, employing 150 men and 29 six-mule teams in healing in coke and briming back in hauling in coke and bringing back

matte. The Alameda Mining Company, at Ga-