

MINERAL WEALTH AIDS OREGON

Gold Mining Is One of State's Established Industries, While Rich Deposits of Other Ores Already Developed Add to the Entire Output.

MINING in Oregon has passed the stage when it was a gamble. From the first experimental workings of the Southern Oregon placer deposits, known to the pioneers, the miner has left his mark on every part of the state. From the coal bodies in the Coast range of mountains to the quartz lodes of the extreme eastern portion of the state and from the rich golden gravel of the southern borders of the state to the copper deposits in the Cascades at the northern boundary, the hidden treasures of the earth have been uncovered and are being developed.

It is estimated that Oregon mines produced during the past year not less than 171,000 ounces of gold alone, valued at \$2,855,700. Other minerals brought forth from the earth by the miner brought the total new wealth produced by this industry to a very large total.

So it can be said with truth that mining has made for itself a place among the leading industries of this state. Each year sees the golden treasure brought from nature's hiding places increased. More expert development of the various properties throughout the state and more attention to this great resource result in increased production as the years pass. Portland has become the chief marketing point for the mining interests of the three states of Oregon, Washington and Idaho. Numerous mining machinery houses are established here and furnish outfits for milling or placer working. Jobbers of Portland owe no small amount of their trade to the mining towns of the Pacific Northwest. In no state, however, is the industry on a more substantial basis than in Oregon.

The mineral deposits of this state embrace every known product, both for the use of the arts and of commerce. There are dozens of valuable clay, quicksilver, coal, iron and manganese deposits in all parts of the state. Rich coal fields are being worked in Coos County and the product ranks high among Pacific Coast coals. Quicksilver deposits opened up in Crook County give evidence of extensive ore bodies of this valuable mineral.

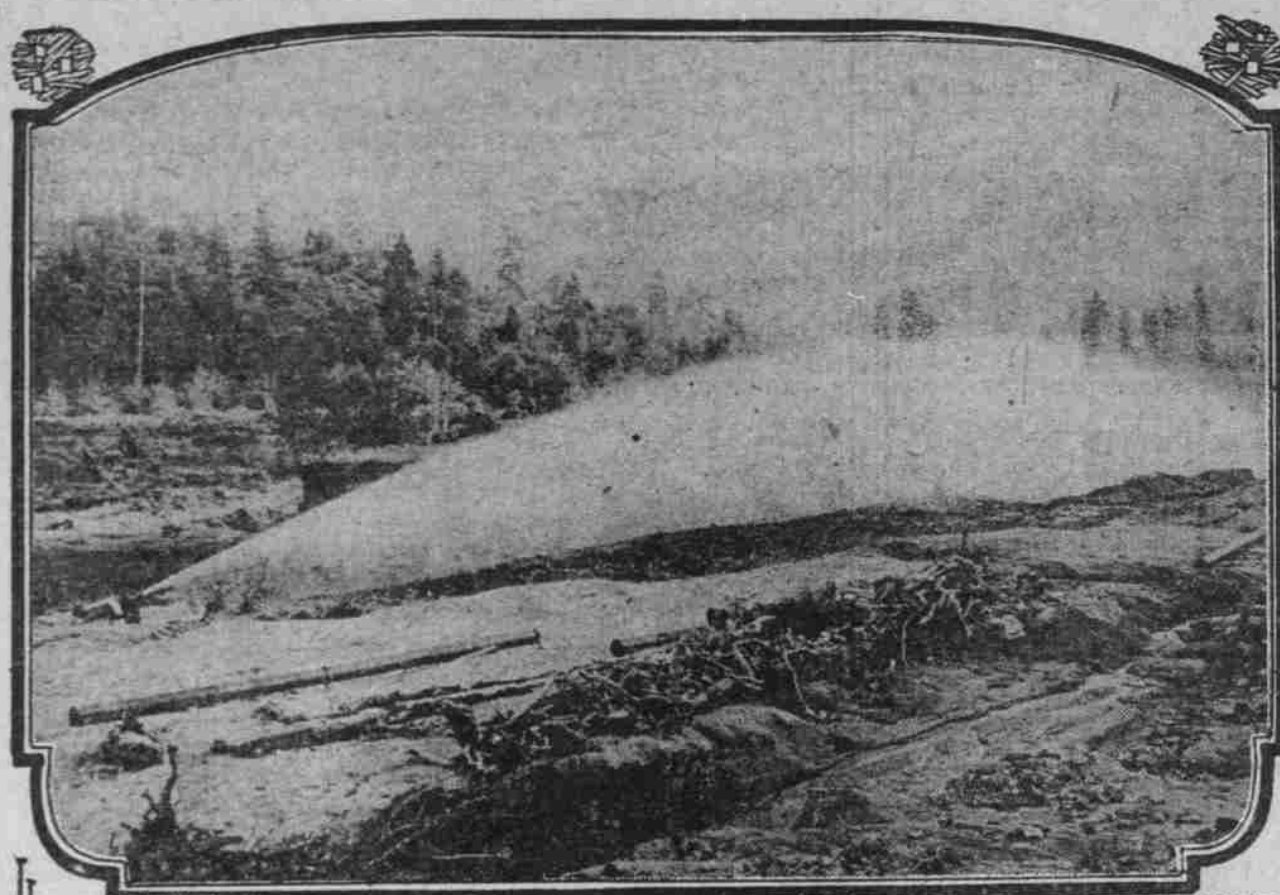
The Sumpter district, as it is called, embraces Grant, Baker and Malheur counties, the whole section being heavily mineralized. Sumpter is the distinct mining town of the district. More money, it is said, is invested in this mining section by outside capital than in all other districts of the state. Owners and lessees of properties in this part of the state have added largely to their output during the past year, which has been one of activity and increased production. The prospects are very bright for the coming year.

Jackson County, one of the richest placer and quartz sections of Southern Oregon has added largely to the gold output during the past 12 months. Modern mills are being installed on the rich quartz ledges of the district, and apparatus and machinery are being brought in to work the placer properties. Around Gold Hill and Jacksonville mining has been one of the leading activities of the people since the earliest settlement of the county. Placer mines of Jackson County are credited with an output of \$180,000 a year, while the value of the combined quartz and placer gold taken out by the miners exceeds \$235,000. Copper deposits in that section of the state are being developed and rich finds of cinnabar and kaolin have been made.

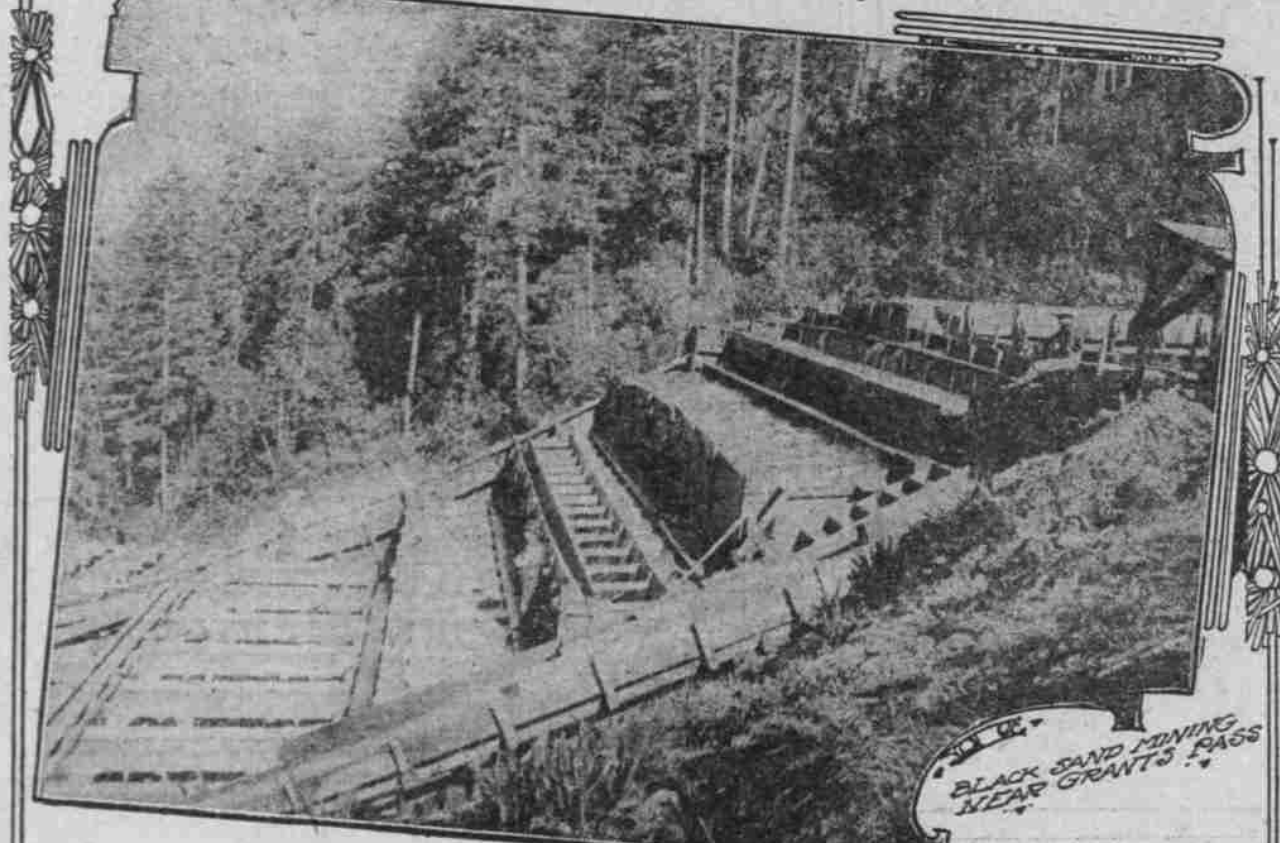
Perhaps nowhere in the state is there more promise to the miner of fabulous wealth than in the Bohemia district, in Lane County. The ore of this district carry gold, silver, lead and copper. Thus far, gold has predominated, as the surface ore carries oxidized iron with free gold. As greater depth is reached, the ores become base and then the values are copper, lead, silver and gold. Among the best developed properties of the district are the Oregon Securities Company mines and the Le Roy, North Fairview, Grizzly, Nemo, Sunrise, Golden Rule, Oregon-Colorado and the Champion Basin. In addition to the reduction plants already in service, others are contemplated during the coming year.

The Blue River district is being opened up more and more each year. The supply of electric power from the McKenzie River has done a great deal to promote development and some substantial betterments and consequent increase in output is expected during the coming year.

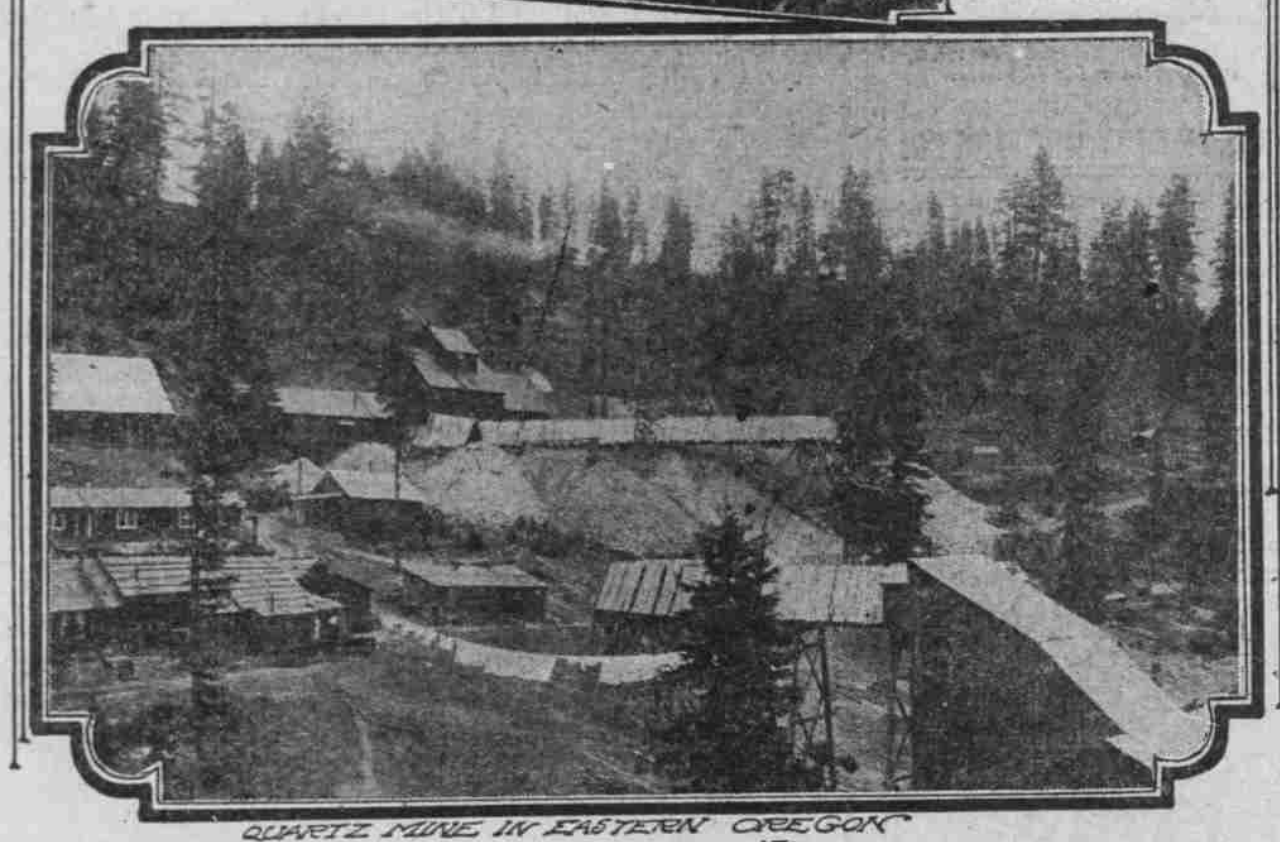
Josephine County, formerly a placer district, has taken up the development of quartz properties with great success. All kinds of ores are found in this county and consequently their treatment is varied. A large copper belt extends through the county from north to south, carrying a good quantity of gold. In the eastern part of the county is a large belt of gold ore that is practically free milling. In this belt are located such well-known properties as the Greenback, Lucky Queen, Oro Fino, and Granite Hill mines, while on the former are the Ahmida and Taklima. Extending further south into Siskiyou County, California, there are immense copper cropings and here is located the Blue Lead mine. Rich



HYDRAULIC GIANT IN OREGON PLACER MINE



BLACK SAND MINING NEAR GRANTS, OREGON



QUARTZ MINE IN EASTERN OREGON

strikes in Josephine County during the past few years have done much to stimulate mining in that district and in fact throughout Southern Oregon. Near Portland's doors are some good

mining districts. Among these may be named the Santiam and Molalla sections that are being developed. To the north and just across the Columbia River in Washington is the St. Helens district in

which Portland people are heavily interested. As this section directly tributary to Portland, it must be credited with being an added mineral asset of this state.

showing the value of property in this state by classes, give the following:

Timber lands, 8,218,744 acres, \$ 74,904,804	Unimproved lands, 17,982,484 acres, 138,264,444
Improvements on wooded lands, 18,322,359	Town and city lots, 125,926,332
Improvements on same, 50,992,423	Improvements on lands not wooded, 1,790,215
Deeded, 2,000,000, 82,721,368	Railroad bed, 2,000,000, 2,713,976
Telegraph and phone lines, 9309, 3,054,670	Street railways, 280 miles, 4,235,555
Rolling stock, 10,632,830	Steamboats, engines and machinery, 23,926,830
Merchandise, 3,400,000	Farm machinery, 2,453,981
Money, 8,926,223	Notes and accounts, 7,875,078
Shares of stock, 181,708, 7,875,078	Household furniture, etc., 9,435,430
Swine and hogs, 181,708, 7,875,078	Cattle, 524,511, 7,100,683
Sheep and goats, 2,216,392, 6,297,988	Swine, 86,684, 336,347

It will be noticed that less than \$2,500,000 in money is assessed. The last report of the state and National banks shows individual deposits amounting to \$75,000,000, so that the actual wealth of the state is at least that much greater than the assessment figures show.

Sheep Free From Scab.

Sheep in Oregon are free from scab and other diseases, according to reports of 11 Government inspectors who have been making investigations under the direction of Dr. S. W. McClure, head of the bureau of animal industry in the Northwest. Dr. McClure says he believes the work of the department two years ago was more successful in eradicating the scourge than supposed. The campaign was begun in April, 1907, and was successful. Early last Summer several isolated cases were found in Southeastern Oregon and a few in Western Oregon, but these were promptly treated and cured.

Sugar Beets Are Profitable

Industry Is Firmly Established in Eastern Part of State.

ONE of the recent industries of Oregon that has become a leading factor in the development of that section of the state comprising the Grand Ronde Valley, is sugar beet culture and the extraction of the sugar from the juice. So successful has been the effort to build up this enterprise around La Grande and Union that the growing of sugar beets will undoubtedly be taken up extensively in those sections of the state east of the Cascades especially fitted for beet culture. Particularly is the sugar beet a good crop in those districts of the state lately brought under irrigation. There the sugar beet thrives and the irrigated districts of Eastern and Central Oregon are likely to become as noted for this industry as are already the celebrated beet sugar sections of Utah.

The Grand Ronde Valley has gone extensively into the business of growing sugar beets. The Amalgamated Sugar Company has fostered the industry in every way, having taught the most modern methods of growing the crop and has introduced facilities for conveying the roots to the factory at La Grande, where they are ground up at the mill and the saccharine juice crystallized and the sugar extracted.

lished but a few years, it has proved itself to be especially adapted to the prevailing climatic conditions that obtain throughout Eastern Oregon, the climate being almost identical with that of Utah, the home of the sugar beet industry in the West. From a more experiment in the Grand Ronde Valley, beet sugar manufacture has come to be known as one of the leading industries in a section noted for its varied products and manufactures. The annual output of the beet sugar factory at La Grande is about 5,000,000 pounds, valued at \$250,000. It is probable that these figures will be much increased during the next few years for everything possible is being done to induce the farmers of the Grand Ronde to cultivate beets more generally. With a larger supply of the roots each season, the present factory at La Grande would enlarge its facilities and manufacture a much larger quantity of sugar each year.

The company itself needs 2000 acres annually to sugar beets. This big ranch lies between Union and La Grande and is managed by the sugar company exclusively. Here are barns that hundreds of horses and boarding-houses that make a village in themselves are provided for the use of the

large number of workmen who sow the best seed, thin out the little plants, cultivate the beets and pull and top them. When they have attained their full growth, and send them to the factory to be made into sugar.

On the field the pulled beets are thrown into a patent wagon and then hauled to an elevated roadway, called the "drip." Here the wagonload of beets is dumped into freightcars standing alongside and hauled over a branch line of the O. R. & N. a distance of three miles to the factory. Each year property owners are turning tracts of their fertile land over to the beet sugar company that expert and systematic methods may make better success and bring more returns from the ground given over to the beet growing. The outlook of this industry in Oregon is bright, with new districts suited to the cultivation of sugar beets being brought under irrigation each year and consequent encouragement given to the greater development of sugar manufacture in this state.

Holly Orchard Would Pay.
Albany Democrat.
A holly tree in the yard of Miss Gand, it is said, will yield about \$30 worth of holly this year. It is of the Austrian variety, set out 25 years ago by L. E. Bain and is a fine tree. At that rate a holly orchard would certainly pay. There is said to be a big demand in the large cities for the pretty spray.

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PORTLAND, OR.

OREGON IS WEALTHY STATE

Taxable Property Assessed at Over \$600,000,000, or More Than \$1000 for Every Man, Woman and Child.

By A. W. Prescott.

THE assessed valuation of the taxable property in the state of Oregon is over \$600,000,000, or more than \$1000 for every man, woman and child in the state. The assessed valuation does not represent actual valuation, however, for in a large number of counties property is listed at only 50 to 75 per cent of actual values. In all the counties the practice is to list property at what it can be readily sold for, so that on the whole the assessment represents not to exceed 75 per cent of real value. The private property in this state, therefore, has a value of not less than \$450,000,000, or an average of \$1500 per capita, counting five persons to the family.

At the time of compilation of these statistics not all the counties had filed their reports for 1908, and it was necessary to estimate the valuation in four counties, Harney, Hood River, Klamath and Union, using reports for previous years as the basis for estimates.

The phenomenal growth of the state of Oregon in natural wealth in the last ten years is shown by a comparison of assessment valuations. In 1898 the total value of all assessed property was \$141,647,192. The valuation as shown above for 1908 is more than four times

as great. Part of this increase is undoubtedly due to changed policies in fixing valuations for taxation purposes, but there is no doubt that the actual value of property in the state is three and one-half times the value in 1898. Property valuations by counties are as follows:

Baker	9,602,350
Benton	2,113,480
Blackhawk	22,850,635
Columbia	3,752,420
Clatsop	18,784,633
Coos	14,099,329
Crook	3,358,473
Curry	2,888,254
Douglas	8,875,947
Grant	3,512,940
Harney	2,861,745
Hood River	3,800,000
Josephine	26,669,946
Klamath	8,212,702
Lane	7,982,950
Lincoln	4,308,378
Linn	19,181,313
Malheur	2,223,885
Marion	4,212,205
Morrow	2,861,745
Multnomah	230,187,737
Polk	10,072,900
Sherman	6,281,073
Tillamook	23,150,227
Tulsa	6,078,537
Union	2,220,293
Wasco	3,927,843
Washington	12,255,068
Wheeler	2,090,872
Yamhill	12,235,570
Total	\$600,000,000

The latest available official figures.