# Mineral Wealth of Southern Oregon Vast

## 1914 Metal Output

In announcing the following fig ures it is well to say that like all similar statistics it can serve only as an indication of the actual production of the mines. There is always a certain amount of the precions metals which is sequestered, hoarded or used as ornaments which may never come into the world's markets. There is also to be taken into consideration the ore which is produced and not marketed during the current year but which may later be beneficiated or sold thus swelling the returns for some future year. Materint of this kind which may be of a lower grade is constantly going into the dumps of producing mines. Some producers undoubtedly withhold information as to their output either through secretiveness or for sound business reasons. It may be cited here that there is a large acreage in Jackson county the title to which is in litigation. Any considerable production of gold from such lands would probably be concealed. It is well to bear in mind that the figures upon which an estimate for a New Years edition are based are of necessity gotten up very quickly and even before the end of the year thus preventing the accuracy of official returns. There is also a percentage of bullion that is not marketed in or from the county of production.

After a careful consideration of the data at hand we make the estiver \$891.00.

county, that of Gold Hill has proof bullion. High grade ore in shipped from the Buzzard mine. No attempt has been made to list the mystery of its creation. producers of placer gold. The following is a list of deep mines that have produced during the current year. This list is probably incom-

Bill Nye, Braden, Buzzard, Grubstake, Hidden Treasure, Lucky Bart, Nellie Wright, Nuera, Palmer Creek, Norris, Star.

So far as known there has been no production of other metals in the county. Owing to the importance of the Braden strike the probability that the Sterling placer will be a producer such favorable factors as the reduction in power cost and the excellent system of roads that are being constructed it is deemed highly probable that this county will show an increase in production for the year 1915.

As an indication of the size of the gold producing belt in this county we may say that it includes one-half mine is located 50 miles north of the Grubstake. There are over 1000 square miles in the county over which these productive mines are scattered.

### Klamath Valley

How few among our readers know

SCENE AT STERLING PLACER MINE, A PROLIFIC VILIDER IN THE PAST NOW BEING OPERATED BY S. S. BULLIS.

A PROPERTY OF THE STATE OF THE



mate of the production of gold at through Siskiyou, Humboldt and Del \$70,000.00, silver \$1,000.00. The Norte counties, California, to the last official figures at hand issued by Pacific ocean. This river and its the Oregon Bureau of Mines are for tributaries traverse a great region of the year 1912, gold \$62,985, and siland commercial resources; greater In 1912 there were credited to than any like area, without railroad Jackson county eight quartz mines the total production of which was \$31,693 thus showing one-half of the pically Californian, satubrious total to be from this source, the balance being from placer. The year ing mountains, anow-capped for many 1914 shows 12 known theep mines months, are a guarantee of ever with a production, still without fuller flowing water for power, mining and returns it would be impracticable to irrigation purposes. Its water shed estimate the change if any in the per- of many hundred square miles is forcentages produced respectively by eated with a heavy growth of matured deep mines as compared with placer, timber, estimated by the United Of the various districts in the States forester at more than twenty billion feet of commercial lumber. duced about 50 per cent of the total its auriferous gravels, of great extent, for Jackson county. It contains the have been continously and profitably Braden mine, the premier mine of worked since the discovery of gold in Jackson county and so far as is California. Its foot-hills and bottom known of southern Oregon. Aside lands prolifically grow fruits, nuts from the Braden the Gold Hill district produced more of the precious while the valleys of its tributaries, metals than any other single district in the county. A prominent operator there state that when the power raising and dairy purposes. Its costs are reduced there will be a crops never fail. Its atmospheric heavy tonnage of low grade ore purity, its hot and cold medicinal milled which has hitherto been un- waters are an insurance against the ills that "flesh is heir to"; its topocounty's production is in the shape graphical wonders, delying portraiture by brush or pen, hold the mind enthralled in contemplation of the

opportunity. This great artery of equally as good.

easily traceable by their iron and timber. locally prominent and will be briefly the latter district has established its present area to be fourteen miles in length and six miles in width. situated in the main Siskiyou mountain range about 40 miles southwest of Medford, Oregon, a thriving city on the line of the Southern Pacific anything of the real Klamath valley. railroad and 50 miles north of Yreka, Most of us have crossed this valley the county seat of Siskiyou county, on the way to San Francisco and fre- California. The north half of this quently without knowing it. At the district lies on the north slope of the point where the railroad crosses the Siskiyou mountains within the state river has an elevation in excess of of Oregon, and the drainage is into 2000 feet above sea level and for a Applegate river, a tributary of Rogue considerable part of the year it is not river. The south half of the district apt to be especially prepossessing at is in California and the drainage is this point yet this stream follows its in Klamath river. The predominatrepid course for more than 100 miles ing formation in which ore occurs before losing itself in the Pacific. is schist. Gossan outcrops from 10 Througout this distance there is no feet to 300 feet in width indicate 10 sign of railroad and for half the dis- or more parallel veins striking north tance trails form the only avenues of and south and traceable from a point three miles north of the Oregon-Cali-Klamath river, one of the principal fornia line where the schist abutts rivers of the Pacific coast, has its granite, across the Statiyou mounsource in a chain of lakes in southern tains (at an elevation of 6000 feet)



Quartz Mill at the Greenback, One of the Few Mines Which Have Been Dug to Any Derth Below the Grass Roots.

constructed.

Open this unexploited region by and into the foothills of Klamath Officers of the National forest in untrodden Siskiyous. Not far from in British Columbia started as the construction of the wagon road river (elevation 1600 feet) a dis-Oregon and California agreed to co- the pass are the meadows with the prospect with a cropping of three mineral deposits awaiting capital for now contemplated and it becomes the tance of eight miles, while a number operate in the construction of a trail lake on the top of a mountain for feet by 15 feet of \$20 gold and cophomeseekers paradise; the poor man's of properties have surface showings through the pass along the route of merly frequented by the elk. A per ore, with a shipping limit of a wagon road. Twenty miles of this rhododendron field of hundreds of \$27.50. It required pluck to sink drainage, carrying the torrential flow West of the Pacific highway there trail has been completed and is now acres greets the eye of a June vis- on \$20 ore in an unproved region, among the mineral resources of Jackof its mountain laterals will event- is no wagon road across the Siskiyou in use leaving less than two miles unually, by the act of man, irrigate its mountains. The road from Crescent finished. In order to go now by the beauty being depressed more than to 6 feet wide and \$37.50, and again oughly tested. Reports of the geoadjacent tilllable soil and furnish City to Requa passes along the face shortest route to Hamburg Bar and 1900 feet below the general level of pinched at a depth of 60 feet to two logical survey indicate that there power for great commercial indus- of the range as it plunges into the Rogue River val-Pacific. This river is credited with a from Medford by auto to the Califor- observer can look alike upon the blue 200 feet. A drift was pushed east in ley a long narrow coal bed that The erosion power of this great production of more than one hun- nia state line at Seattle Placer re- hills of southern Oregon and the rock that contractors quit at \$20 per reaches from Evans creek south flow has exposed large areas of min- dred million dollars in placer gold. quiring two hours of uninterrupted mountain ranges of northern Califor- foot, but the management reasoned through the Siskiyou mountain dieral being formations, practically it is exempt from the debris regula- driving. At that point saddle ani- nia. undeveloped. Railroad construction tions of the state of California. This male would take the trail up Middle It is the intention now to go about at no great distance ahead. At 53 passes a few miles east of Medford in the coming year together with through the Klamath Basin would river basin within a distance of the widening this trail which has a maximake these mineral areas accessible by road from Medford produces more spot where the trail leaves on its mum grade of 8.7 per cent and finand their mine products marketable. gold annually than Jackson county. ascent up Cook and Green creek. This ishing same as a highway for general \$52 values, but it only continued 23 coal veins, as far as prospecting has Predominating in this territory are it contains one large developed cop- latter stream is crossed after follow- traffic. It is believed that substanoutcrops of enormous copper bodies. per mine as well as very valuable ing its banks for five miles and from tial assistance to this plan will be tance up, but it proved there was an in thickness, broken by layers of this crossing the summit is reached accorded by the present congress fol- attractive future in depth. The shaft shale. This coal has been used logossan cappings. This copper bear- Realizing the value of a suitable in about three miles. From the ing area covers not less than 40 connection between the Klamath val- summit in the pass the trail leads secretary of agriculture. miles east and west and 30 miles ley and the Rogue river valley a pass down Seiad creek a distance of about north and south in the north central through the Siskiyou mountains was seven miles where it connects with a portion of Siskiyou county. Within selected having an elevation of about wogan road, and five miles further of the county and that the Buzzard this mineral region two districts are 4600 feet above sea level. Lying with the Klamath river stage road. within sight of the Blue Ledge mine Not less than six hours should be aldescribed-viz-Happy Camp and the it offered the shortest possible con- lotted to this horseback trip, lunch Blue Ledge district. Exploration of nection between the Jackson county being taken at a spring near the fort is invariably rewarded with sucroad system in the upper Applegate pass. This trip will reward any one cess in all lines of industry, mining was five feet wide and \$50 in gold

#### Reward of Effort

Well directed and persistent ef- west side of shaft. It was followed

fact that large bodies of high grade

ore are often found in depth that

does not come to the surface in full

size and values. For instance, the

DeLamar mine, Idaho, was worked

from the surface down to a depth of

about 200 feet for milling gold

quartz that ran from \$5 to \$15 per

sum by Captain DeLamar. His ex-

perts found by assaying the so-

called blackjack to be stephanite

(brittle or black silver), some of it

running 68 per cent silver, and aver-

Another instance, the LeRoi mine

aged about \$2000,00 per ton.

active the past year, with some ex- and averaged close to \$100 per ton. ceptions, of which the Braden mine is it any wonder this little plot of at Gold Hill stands as evidence, that ground 600 by 1500 feet went to a well directed management and explot- valuation of \$79,500,000 on the tation can be liberally rewarded with London market? No doubt many success in this region. About one mining men can site similar attracyear ago the Braden management de- tions of ore in depth that did not oceided on cross cutting into the foot- cur on the surface.

wall, which proved up a third paral- Here is the Buzzard mine in the tel vein 60 feet west of the old Braden Elk creek district now producing vein. The new strike has no evi-18400 gold and silver ore that I am dence of coming to the surface as far informed had less than \$20 croppings,

us present development shows, but If the reader will look back and has a good average width and ore review the last few industrial and values, and reserve tonnage has ma- financial depressions, it will be notterially gained on the ten stamp mill, iced that they have been followed which has been making a splendid by a decided mining activity. It shows virgin treasure is necessary What has been done at the Braden for industrial expansion.

mine is possible at many other places.

In this mineral belt. It is a positive Medford, Ore., Dec. 27, 1.14.

#### Mining Resources

The mineral resources of Jackson county include gold, silver, copper, ton. The quartz was displaced to a iron, lead, zinc, quickstiver, tungsten, large extent by a blue tale contain- tin, manganese, absestos, coal, graning what the miners called black jack | ite, marble, limestone and c'ay. Gold (zinc). The property was aband- has been almost continuously mined oned and finally bought for a small in Jackson county since its first discovery in 1851. The earliest large town in Jacskon county-Jacksonville-was a mining town, and the mining era did much toward attracting settlers to the Rogue River valley and affording to them a market for farm and range products. The gold fields of southern Oregon have a total area of 5000 square miles.

Mining Operations

It is variously estimated that the placer gold fields of southern Oregon have yielded \$100,000,000 since their discovery. Placer mining is today returning good dividends on a number of properties in the vicinity of Jacksonville and Gold Hill, and there are large areas of gold-bearing gravel in Jackson county awaiting capital to develop. Just across the county line, in Josephine county, is being operated, near Calice, what is called one of the model hydraulic mines on the Pacific coast. A large modern dredger employing from twelve to fourteen men is in operation a few miles up the Rogue river from Gold Hill. Placer mining is also being conducted intermittently along the Little Applegate river. Sterling creek, Foots creek and Graves creek. Quarts mining is also active at several points, there being a quartz mill at Jacksonville, and others in operation near Gold Hill, and others on the Umpqua divide Just across the Jackson county line to the south, in California, is located the famous Blue Ledge copp mine. This mine is prospectively among the richest copper mines of the west. But little deep mining has been done in Jackson county, and the district has not been systematically prospected. There are a large number of seemingly most promising

#### Coal Possibilities

The large coal deposits are also there ought to be a body of pay ore vide into California. The coal belt lowing the recommendations of the was continued down an additional 50 cally both in Medford and Ashland. feet and a drift shoved east. The Though showing a fairly high perore body was cut and found to be 15 centage of ash and broken by shale, feet wide and \$60 values. Develop- the veins have uniformly grown betment now began to demonstrate a ter in being followed deeper, toward great ore producer. At the 300 the northwest. This has given much foot level ore was encountered in the encouragement, and with such a large area of coal deposits it seems should be found with systematic deand copper. This ore only extended velopment. The last report of the geological survey conservatively sums up their coal investigation of the Jackson county district as follows: For the present the coal beds from Ager (California) to Evans creek are only of local interest as a source of fuel, but detailed examination in the future may show these coal beds to be more extensive than are now supposed. If so, they may become, with the improvement of gas producers, important sources of power." Some good peat deposits are also known. Granite and Marble

Building stone seems to offer important development possibilities for the future. These include granite, marble and a variety of sandstones. All of these stones have been used more or less in some important buildings in Ashland and Medford and other population centers. Also some of these materials have been shipped to other cities.

#### with the roads in the Klamath val- who will undertake it as it passes included. ley, requiring about 22 miles to be through some of the most wildly in- While lode mining in southern Ore- five feet above the drift but on the teresting and virgin recesses of the gon has as a whole been rather in- 400 foot level it was 80 feet wide

