

MINING A NEGLECTED RESOURCE

Greatest Resource Throughout Most Neglected of Southern Oregon Is Mineral Wealth—Jackson County Has Produced in the Past Nearly One Hundred Million Dollars in Gold and Still Surface Has Just Been Scratched.

The greatest resource of southern Oregon is its mineral wealth. Jackson county has produced between \$75,000,000 and \$100,000,000 in gold more wealth than any, or all other resources, and they have hardly scratched the formation and have not yet started to mine. The mining conditions of southern Oregon are different from most countries that have produced as much gold as it has. The mountains are heavily timbered and the entire formation is covered from six inches to many feet with solid. So the formation is not visible without a great amount of work. All the stream beds are full of placer gold and this section has produced many million dollars and is still producing.

Called a Pocket Country.

This country has the reputation of being a pocket country, and not a reliable country in which to mine. This is due to the following facts. While all the streams have placer gold the surface formations in most places are sedimentary and full of rich stringers of gold. This is so alluring to the prospector that he cannot resist the temptation of doing most of his prospecting on these seams instead of looking for the mineral formation first and the gold after.

Any man that has made formations a study knows that gold does not come in permanent bodies except in permanent formations. The eruptive rocks are the only rocks that carry gold in its primary state. Unless eruptive formations exist in contact or underlying the sedimentary rocks they can have no gold values as they are simply borrowed from the eruptive. Gold is not like silver, lead or copper, as it combines in nature with nothing but tellurium. Gold appears in nature but in two forms, free gold and tellurides. Sulfide of gold is an impossibility, chlorides of gold is theoretical.

All Once With Tellurium.

It is the opinion of good authority that all gold originally was in the form of tellurium. Heat volatilizing very readily thus releasing the gold. The tellurides never occur in quantity except in the eruptive, deaerated rock. Gold in these rocks, in a free state on the surface, assumes the form of tellurides at great depth. The free gold only occurs on or near the surface where volcanic heat has volatilized or erosion due to the oxygen of air or water and acids have decomposed the tellurides, thus leaving the gold in a free state.

If all gold comes from tellurides and the telluride's home in the eruptive rocks, how do the placer gold and rich stringers occur in sedimentary rocks?

Sedimentary Rocks.

All the sedimentary rocks are made up of particles of eruptive rocks, assimilated by water and most overlay eruptive rocks. Most of the sedimentary rocks of this section are of an old age and after their deposition have been subjected to great volcanic disturbances, which have broken and sifted them and metamorphosed them. The underlying rocks have been subjected to additional eruptions and action. This action below has forced current after current of mineral bearing gases to the surface; not only the surface of the eruptive rocks but through the overlying sedimentary rocks. These mineral gases and water being heavily charged with silicates and tellurium have precipitated and deposited in the sedimentary rocks in forms of stringers and quartz full of gold.

In the soft slate and schists these formations being soft, are subject to erosion and as they wear away and are carried down to the gulches carry with them the gold they contain. The gold on account of its high specific gravity seeks the bottom, the looser and lighter rocks washing on and on to the ocean. So year after year this process has gone on for thousands of years and the mountains we now see were perhaps hundreds of feet higher, this placer gold being the concentration of millions of tons.

Origin of Pocket Gold.

These are the conditions that were found when mining began. The stream beds and the gulches were all full of gravel and wash from two or three feet to many feet in thickness; all of this wash having gold in it from a few cents per yard to many dollars. The old prospector began to wash the rich placer with pan and rocker, then hydraulic and dredges. Thus the evolution of placer mining. Men came out prospect for the source of this gold, knowing that it came out of the ground somewhere; this section now has what is called pocket hunters.

The sedimentary formations of this country are full of stringers of quartz. Some of these are marvelously rich in gold. These lay in little kidneys in the rock and are known as pockets. They seem to have stopped their line of reasoning which has been

right so far, but they have not gone far enough.

Look for Eruption Rocks.

Most of the mining has been done in the sedimentary formation and has resulted as it only could. Like the placer when they have cleaned up the bed rock they have it all, and look for a new place. So are the pockets in the sedimentary formation. When they have worked them out they are all gone, as the trail that leads to the source from which they came out was only gas, or water, and does not have a mark or blaze by which it can be followed down to the eruptive rocks below, out of which this small amount is only a sample of the bodies below.

The sedimentary formations in most of places appear to be broken or loose, showing that it is not far to the eruptive formations below. Some of the eruptive or igneous formations such as diorite, rhyolite, porphyry, andesite, trachyte and granite appear in many places here.

Look Into Contacts.

These are the formations in which to look for the permanent ore bodies. Contacts occurring with any of these are recognized as first-class. These rocks are harder and are not seamed with little stringers of quartz like the sedimentary rock, and where they do appear they do not offer the inducement to the novice that the small, rich stringers in the sedimentary formation do. Had they not been neglected, but followed to a great depth, this country would have a different standing in the mining world and this country would have been enriched many millions of dollars. This is one of the richest placer fields in America. It has been worked for over 50 years for placer and has produced untold millions.

Mining Only Started.

In reality the placer mining has only started, as most of the gold produced so far has been on ground most accessible. This country offers great inducements to big companies that will build big ditches for hydraulic and for large dredging plants. It is evident to any thinking man that something has been wrong in the quartz mining heretofore done. California had the same placer fields, but they found the great mother lode that cuts that country and it has produced its hundreds of millions. Why has not the source of the ore placers been found? We know it exists. It is because most of the mining has been done in the wrong formations and only shallow, irregular workings have been done.

No Real Mining.

Practically no mining has ever been done in this country. Twenty to fifty-foot holes is not mining; it is only scratching. The workings that have been started along the right lines have not been continued deep enough to determine about them. This country affords the greatest field for quartz mining in the United States. The source of all these placers should be found and will be found. When it is, Colorado's or Nevada's excitement will be nothing to compare with it, if surface conditions can be relied upon. The quartz mines will produce many times as much gold as did the placers, if properly worked. Southern Oregon is scheduled for the next big mining boom. It is attracting the attention of big mining men at the present time.

COLORED MAN TO TRY FOR A LEGATION POST

WASHINGTON, April 7.—Benjamin Bundy, a negro of Cincinnati, who passed the state department examination for the consular service, has signified his willingness to accept the secretaryship of a diplomatic post and will receive an appointment in case he passes the examination for that service. The fact that Bundy is willing to accept an appointment as a secretary of legation solves a problem which would have caused the state department some embarrassment, as there are very few places in the consular service to which a man of his race could be properly appointed.

WARRANT IS ISSUED FOR PROMOTER HOUSTON

KLAMATH FALLS, Or., April 7.—Frank B. Houston, the man who promoted the Hot Springs Hotel company with himself as president, to exploit the natural baths near Klamath Falls, is to be arrested on a forger charge, a warrant having been issued yesterday afternoon. Houston planned a big resort at the hot springs and his company was capitalized at \$100,000. It is charged that he forged a draft on a bank in Lexington, Ky., securing \$6000 from the American Bank & Trust company of this city on the strength of it.

BEES CLOSE SCHOOL AND ROUT OFFICIALS

MERCED, Cal., April 7.—Belligerent bees not only closed a school at Lakeside, 10 miles from here, in the foothills, but sent several people to bed, besides nearly stinging a horse to death.

Mrs. Belle S. Gribi, county superintendent of schools, accompanied by Mrs. Conway, visited the school last Thursday, and while they were inside a swarm of bees settled on the horse. Mrs. Conway, who with others rushed out to fight the bees, was badly stung.

The bees finally settled on a tall pole near the schoolhouse. A school director and a professional bee-handler tried to remove them, but merely suffered stings for their efforts.

Meanwhile the bees still cling to the pole and the pupils went on a vacation.

TAFT AFRAID TO MIX IN HOOSIER POLITICS

WASHINGTON, D. C., April 7.—President Taft has cancelled his engagement to speak in Indianapolis in May. It was stated at the White House today that the president would find it impossible to visit the Hoosier capital as he had planned, when he makes his next western trip.

His decision is believed here to be the result of a determination to leave the troubled political situation in Indiana alone, following the state Republican convention yesterday which was controlled by the insurgents and which endorsed his administration at the same time calling for a revision of the tariff bill and pledging support to Senator Beveridge and commending him for his action in congress. Beveridge voted against the Payne-Aldrich measure.

The tax statement of Umatilla county for 1909 almost reaches the half-million mark. The county has no bonded indebtedness.

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POOR SEAMSTRESSES REMEMBERED IN WILL

NEW YORK, April 7.—Poor seamstresses in the city of New York are \$240,000 richer as the result of a decision rendered in the supreme court by Justice Blanchard.

The money will come from the estate of Henry Howard Paul, an English actor and playwright, who died in 1905, at the age of 80, leaving an American and an English will. Harrison Grey Fiske and Henry Tyrrell, his two executors here, were directed to distribute \$46,000 in the Union Trust company among charities "that assist poor needlewomen."

Under the English will \$250,000 was distributed, but Mrs. Isabella M. Manley of Brooklyn, a sister of the actor, sued to have the American will declared invalid as too indefinite.

An open-river and freight rate convention will be held at Albany on April 14. It will be largely attended. Work will soon be begun on the new federal building at Pendleton, which will cost \$50,000.

MONEY IN CIRCULATION IS \$3,138,273,811

WASHINGTON, April 7.—A good many people in the United States were fooled on April 1, when they awoke to find that they had not \$34.87, the circulation of money per capita, according to the books of the treasury department. The circulation per capita on April 1 was the same as on the first day of March and just two cents per person more than it was a year ago when, according to the treasury figures, the money in circulation, if evenly divided, would have given each man, woman and child \$34.87. The total amount of money in circulation on the first day of April was \$3,138,273,811.

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- 2 lots on Palm street, 3 blocks from new depot, 56x124, each\$450
- * lots on Hamilton street, 2 blocks from new depot, 56x124, each\$600
- 2 lots on Fourth street, 2 blocks off Oakdale, 56x100, each\$650

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THE PROGRESSIVE TAILOR

\$150 AN ACRE—270 acres, foothill land, about 6 miles from Medford; there are about 85 acres on this place now planted to fruit, which includes about 26 acres in bearing. The bearing varieties are Newtown and Spitzenberg apples and Comice pears. There are 25 acres of Newtowns in their second year with peach fillers and about 6 acres of Newtowns just planted; also 20 acres of Jonathans and 10 acres of Bartlett and Anjou pears just planted. About 200 acres of first-class fruit land on the place. There are many springs on the place and considerable water could be developed for irrigation; two houses, good barn and other buildings. Would subdivide nicely. Easy terms.

\$2500—Sixty acres, 6 miles from Medford, about 15 acres cleared and partly planted; small buildings.

\$250 AN ACRE—70 acres, about 4 miles from Medford, free soil; 25 acres planted to Newtown and Spitzenberg apples, mostly 3 years old; in addition, about 25 acres under cultivation, balance easily cleared; good new 6-room plastered house, new barn; also set of old buildings. Could be subdivided into two or three tracts nicely. Easy terms.

\$5500—Six miles from Medford, good new buildings, about 5 acres planted to Newtowns, Spitzenbergs and pears, 1 and 2 years old; about 7 acres additional cleared, balance not hard clearing; good team, wagon and machinery goes with the place. This is a 40-acre tract.

\$15,000—A first-class fruit and alfalfa ranch, 185 acres, 5 1/2 miles from railway station, practically all bottom land, 140 acres now under cultivation, water right with place; fair house, two barns, schoolhouse on the place, for \$15,000, which is only \$81 an acre; \$6000 cash will handle, and easy terms can be had on the balance; this is a fine chance to get a first-class tract of low-priced land for development purposes. We don't think this will last long, and if you are interested, come in and see us about it.

\$12,525—Eleven acres in Comice pears, 10 years old; 9 acres in Bartlett and Anjou pears, 1 to 3 years old; close in; good soil; terms.

\$12,000—Eleven acres in Comice and Rose pears, 14 years old; these trees are in full bearing and will pay a good income on the price asked.

\$15,000—Twenty acres, fine new modern bungalow, buildings easily worth \$4000; about 13 acres of apples in full bearing; trees are 16 years old; balance planted to apples 2 years old; good soil; slightly location; close to market; an assured income from the beginning; a fine home.

\$150 to \$200 PER ACRE—Stewart acre tracts; 2 miles from Medford; tracts are from 10 to 25 acres in size; fine building spots on all; can all be irrigated; cheapest tracts in Medford neighborhood; easy terms.

\$300 PER ACRE—Finest 5 and 10-acre orchard and garden tracts in the valley; easy terms.

W. T. YORK & CO.