

OREGON DIAMONDS.

Precious Gems Being Mined In Harney County.

The fulfillment of the prophecy made 30 years ago by Professor Clayton, a geologist in the employ of the United States government, that some day diamond mines would be discovered in Oregon is at hand.

The mine in is the Blue Mountain range 40 miles from Burns, the seat of Harney county. There is no question of the quality and quantity of the precious gems, but there is a question as to their commercial value. The stones thus far discovered are generally too small for the trade. They are no larger than a small pin head. A few have been found that would sell for from \$30 to \$300, but they are rare.

Were diamonds malleable like gold, if there was any process known to science, by which the miniature stones could be welded together, then Harney would no longer be known as the "cow county" and Oregon would rank with the diamond-producing regions of the earth.

The commercial value of the diamonds is now being determined by the great diamond firm of New York, Tiffany & Company, whose confidence in the new field is sufficient to warrant them in furnishing the capital for further development. They are co-operating with the local owners.

The diamonds are found in layers of volcanic ash. Geologists and mineralogists agree that the formation being the volcanic ash of ancient origin, is the same as that indigenous to South Africa, where the largest diamond mines in the world have been exploited. This is the formation that Professor Clayton referred to, when observing the geological conditions of Oregon in his official capacity, 30 years ago. It is said to be the next to the oldest formation found on the North American continent, only that through which the St. Lawrence river runs, being older. The layers thus far mined yield only extremely small stones, but it is expected and hoped that other layers will be discovered that bear the precious gems of commercial importance.

G. T. Kelly, a pioneer prospector of the Green Horn district, near Sumpter, seen at the Imperial Hotel, confirmed the story. Mr. Kelly is an authority on gold mines, he having located the Psychic group, the Rockefeller group, and the Don Juan mine, in the Sumpter district.—Evening Telegram.

DRIVING CROSSCUT TUNNELS.

Often the Vein is Cut in a Lean Place.

A crosscut tunnel of great length to develop veins at depth is only justified when the veins have been proven in their upper portions.

Many promising mining ventures have been wrecked by exhausting all available funds in driving long and expensive tunnels, which failed to develop wealth before financial disaster overtook the company.

Often the ore shoot is divided into irregular sections, and should the crosscut reach the vein in one of its poorer portions it might result in an entire suspension of work, where its continuation would mean success.

As a general plan it is always advisable to develop the vein where values are, if not uncertain, at least when they may be proven at least expense.

Later, where this expense of crosscut tunnels, or shafts through country rock is justified by actual development of the upper portion of the vein, extensive

workings of the character stated are not only desirable, but it is good business to have them, as by their means the general coast of mining operations is decreased.

Literally Studded With Gold.

One of the most beautiful quartz specimens ever exhibited in this city was on display at the First National Bank for a short time yesterday. It was an eighty pound piece of quartz that was taken from the placer mine of Hines & Brown at Mule Gulch during the placer season last year. The piece of quartz was literally studded with gold having in sight about \$200. What the piece was valued at was not learned. For beauty, it excelled anything that has yet been brought to this city.—Blue Mountain Eagle.

Shows up Well in Free Gold.

R. J. Ambler has just completed the assessment work on the quartz property owned by himself and Judge Laycock on Miller mountain. In so doing he sank a shaft twenty-six feet and ran a tunnel of equal length. This work was done on a ledge that averaged in width from one and one-half feet to two feet, and throughout the entire distance it showed up good values, free gold being obtained from every test made with a mortar.—Blue Mountain Eagle.

Progress on Cracker-Oregon.

The shaft at the Cracker-Oregon is progressing nicely, being down about 60 feet. The work of setting up the machinery is progressing nicely, and the major portion is in place. The hoist, compressor and water wheel have not arrived yet being delayed on the road somewhere. They should have arrived some time ago and are expected every day. Tunnel No. 2 is in about 500 feet, and is in ore that is getting better with every foot.—Bourne News.

One of Greenhorn Pioneers.

Jake Mullen is down from the Greenhorn country for the purpose of visiting a week or two in Sumpter. Mr. Mullen has been placer mining on the Pacific coast since 1861, and for the past thirty five years has been continuously delving in the gold laden gravel and sands of the Greenhorn placers. He states that he will remain there another thirty five years unless fate should decide he would have to stare at grass roots before then.

The Mormon Temple.

The Mormon temple at Salt Lake City is no doubt the most substantial and well constructed religious edifice in the United States, if not in the world. Corner stone laid April 6, 1853, cap stone April 6, 1892 and dedicated April 6, 1893 over forty years of constant labor being consumed in its construction. This magnificent structure 200 feet long, 100 feet wide is built entirely of Utah white granite, beautifully carved, symbolic of the Mormon faith, surmounted by six towers, the highest being 230 feet from the ground, supporting a bronze statue of the angel Moroni. The cost of this building is about \$6,000,000. There are many other attractions at Salt Lake City of interest to the traveler or tourist where a day can be well spent. The Rio Grande is the only Trans-continental route passing directly through Salt Lake City, where a stopover is allowed on all classes of tickets. The service of the Rio Grande lines is unexcelled. Three trains daily between Ogden and Denver, carrying all classes of modern equipment. If you are contemplating a trip to the east, write the undersigned for information regarding rates via the "scenic line of the world." W. C. McBride, General Agent, M. J. Roche, Traveling Passenger Agent, 124 Third St., Portland, Oregon.

The celebrated Gund's—"the beer of good cheer"—always on draught at Dunphy's The Club.

Leave your measure for a suit of clothes at Neill Mercantile company's.

Use Giant powder, fuse and caps.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office,
La Grande, Oregon, January 2, 1903.
Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land states by act of August 4, 1892.

JOHN A. WILSON,
of Baker City, county of Baker, state of Oregon, has this day filed in this office his sworn statement No. 1826, for the purchase of the $s \frac{1}{2} e \frac{1}{2}$ of section No. 21 in township No. 11 south, range No. 32 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before A. B. Combs, Jr., County Clerk, at Baker City, Oregon, on Wednesday, the 18th day of March, 1903.

He names as witnesses: James Wood, Louis Sommer, William Griffin and Isaac Baer, all of Baker City, Oregon.
Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 18th day of March, 1903.
E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office,
La Grande, Oregon, December 31, 1902.
Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land states by act of August 4, 1892.

ALBERT L. GRANT,
of Baker City, county of Baker, state of Oregon, has this day filed in this office his sworn statement No. 1827, for the purchase of the $s \frac{1}{2}$ of section No. 20 in township No. 11 south, range No. 29 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before A. B. Combs, Jr., County Clerk, at Baker City, Oregon, on Wednesday, the 18th day of March, 1903.

He names as witnesses: Louis Sommer, James Wood, Adolph Newberger, and Miles Lee, all of Baker City, Oregon.
Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 18th day of March, 1903.
E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office,
La Grande, Oregon, January 5, 1903.
Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

GEORGE W. WRIGHT, JR.,
of Sumpter, county of Baker, state of Oregon, has this day filed in this office his sworn statement No. 1832, for the purchase of the $n \frac{1}{2} n \frac{1}{2}$ section No. 27 and $s \frac{1}{2} e \frac{1}{2}$ and $w \frac{1}{2} s \frac{1}{2} e \frac{1}{2}$ of section No. 22 in township No. 11 south, range No. 38 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before Charles H. Chance, U. S. commissioner at Sumpter, Oregon, on Friday, the 27th day of March, 1903.

He names as witnesses: Van Rensselaer Mead, William A. Green, George W. Wright, Sr., John Shields, all of Sumpter, Oregon.
Any and all persons claiming adversely the above-described lands are requested to file their claims in this office on or before said 27th day of March, 1903.
E. W. BARTLETT, Register.

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