

The Times-Herald.

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NO. 47.

OREGON'S ARTESIAN BASINS

THE HARNEY BASIN THE LARGEST AND MOST IMPORTANT.

Otis Creek and White Horse also Very Promising Artesian Basins--Wells Were Not Properly Cased

Four very promising artesian basins were discovered, one of them however, being the westward extension of the Snake river basin, which was examined in part last Summer. The artesian basins referred to are as follows:

First--The Snake river artesian basin, which begins on the east, near Glenn's Ferry, extends westward beyond the Idaho Oregon boundary and reaches well into Oregon. The northern portion of this basin, Prof Russell did not examine, but it probably embraces the region southwest of Huntington, Willow Creek Valley. Several wells were put down in this basin last summer and fall with the hope of obtaining petroleum and all but one resulted in a surface flow of water. The basin below the artesian head is something like 130 miles long, and embraces all the land in the Snake river valley between Glenn's Ferry and Huntington, and in the lower portion of the Owyhee and Malheur river valleys which is below the 2500 foot contour. The artesian head is perhaps higher than here mentioned, but of this Professor Russell is not prepared to make a definite statement, at present judging from the date in hand, flowing water should be obtainable at Nampa, Caldwell, etc., in the Boise valley. The total area over which it is reasonable to expect that flowing water can be had is not less than 700 square miles.

Second--The Otis valley artesian basin embraces the valley of that name, in Oregon, where the conditions are such as to justify the hope that flowing water can be had over an area of some 50 or 60 square miles.

Third--The Harney basin embraces the country about Harney and Malheur lakes, and is by far the largest and most important basin discovered. Its outer rim measures something like 100 miles from northwest to southeast, and 50 to 100 miles from northeast to northwest. The area below the artesian head embraces practically all the flat lands below the level of Burns and Harney and includes not less than 1500 square miles, a part of which, however, is occupied by Harney and Malheur lakes and the adjacent swamps.

Fourth--The White Horse artesian basin is situated in Eastern Oregon, to the east of Steen's mountain, and as shown by the structure and by Warm springs, will most certainly yield flowing wells. The area below the artesian head is by estimate 100 square miles.

Each of the basins referred to is well worthy of development, as in each case these are large bodies of fine land. The total area, roughly estimated, of the four basins where artesian water can be had is in the neighborhood of 2000 to 2500 square miles.

In addition to the study of the artesian basins referred to, Professor Russell's trip furnished much of interest in the way of general geology and geography, and especially in reference to the extinct volcanoes of Southern Oregon and the cinder buttes in Idaho.

One of the greatest needs of the people in Idaho and Oregon who are interested in putting down artesian wells is detailed information as to how to drill and care for such wells. Of all the drill holes Professor Russell saw in the states referred to, he failed to remember a single instance in which the work was properly done. In some instances, as near Burns, the well without doubt would have been highly successful had proper casing been put in, but are classed as failures; and in other instances wells which are flowing have decreased in volume owing to the caving of their sides so as to be practically useless.

CLARK FUND IS GREWING.

The general committee, in charge of the Admiral Clark Testimonial Fund, has been greatly encouraged the past week by the way subscriptions have come in from several cities and towns in the state. The excellent example set by Eugene in doubling its contribution has been followed in many instances. Lebanon, through C. B. Montague and M. A. Miller doubled and sent \$26; Joseph more than doubled with its remittance of \$20.75; Union, through Senator W. T. Wright, sent in \$30 instead of \$20; Hillsboro sent \$20, through Senator S. B. Huston; Carlton did her share promptly; Corvallis at once responded with \$20, through J. D. Daly.

The lively little city of Burns made its second subscription, making \$56 to its credit. In this respect Burns stands alone. The second amount comes through H. E. Thompson, whom Secretary Mitchell examined a few years ago for a commission in the National Guard, and of course passed him. Encouraging reports have been received from Astoria, Ashland, Oregon City and Gervais, but the secretary of the committee wired McKinley Mitchell, of the Gervais local auxiliary committee, yesterday as follows:

"If any subscriber to the Admiral Clark testimonial suffered material loss by recent fire in Gervais, cancel his subscription at once." Treasurer Ladd has received a number of small subscriptions within the last few days and is ready to receipt for more--Sunday Oregonian.

The Oregonian has made a mistake as to the amount contributed by Burns. The last amount of \$22 sent by H. E. Thompson swells the subscription from here to \$75.

Religious Services.

Services at Christian Science Hall every Sunday at 11 a. m. and 8 p. m. Service Wednesday evenings at 8. Subject for Sunday, Oct. 19 "Probation After Death," Oct. 26 "Everlasting Punishment."

Rev A. J. Irwin will preach at Harney the 2nd Sunday of each month at 11 a. m. and 7:30 p. m. Sabbath school every sabbath at 2 p. m.

Sunday school at Harney the first Sunday of each month at 10 o'clock a. m. On the second, third and fourth Sunday of each month at 3 o'clock p. m. Preaching service every second Sunday at 8 p. m.

At the Presbyterian church Burns, Rev. A. J. Irwin pastor. Devotional services the third and fourth Sundays of each month at 11 a. m. and 7:30 p. m. Sabbath school at 10 a. m. every Sabbath morning.

Preaching services at the Baptist church every 1st and 2nd Sundays, morning and evening Sunday school every Sunday at 11 a. m. prayer meeting every Thursday evening.

LOATHE SIGHT OF GOLD.

That is the Effect of Constant Contact with the Metal Upon Mine Employees.

"I have visited the mines of three countries," remarked a traveler, a medical man, according to the Chicago Tribune, "and I have found all the official guides in them broken down in nerve and victims of insomnia. Every one of these officials is required to give bonds, not only for his own honesty, but to cover the by visitors whom he conducts over the place. It is customary to hand money about among the visitors to show the coins in their different stages of development. If the party be a snore, the nerves of the guide are strung to such a pitch that at the Hotel de la Monnaie, in Paris, the man confessed that the sight of coined gold and silver was odious to him, and that he had come to look upon every one who visited the mine as a possible robber."

"Besides the effect upon the nerves, in nearly every case it has affected the eyesight. One of the guides told me that 22 years of continual gazing upon gold and silver had affected his sight so that he is unable to distinguish certain objects unless they possess peculiar iridescent qualities."

Spiced Blackberries. Make a sirup of two pounds of light brown sugar, one pint best cider vinegar, and one teaspoonful each of ground cloves and cinnamon. When boiling put in six pounds of blackberries, and let simmer very gently for 15 minutes. Seal boiling hot in pint jars. --Home Magazine.

Petition for Liquor License.

To the Honorable County Court of Harney County, State of Oregon: We, the undersigned legal voters of the precinct of Lawen, said county and state, most respectfully petition your Honorable Court to grant a petition to N. J. Lewis to sell spirituous malt and vinous liquors at his place of business in said precinct in less quantities than one gallon for a period of six months commencing November 13, 1902:

R. R. Sitz, Walter Gray, Andrew D. Lytle, Ed. Silver, A. A. Claypool, J. H. Jordan, M. V. Smith, N. O. Oard, Ben Jordan, C. W. Jordan, T. F. Heinz, J. W. Heinz, G. F. Parker, J. L. Sitz, Scott Hayes, L. B. Hayes, W. W. Drinkwater, I. B. Clark, Wm. L. Clark, D. W. Jordan, J. C. Gray, G. W. Clark.

Notice is hereby given that on Saturday, the 8th day of November, 1902, I will apply to the above entitled court for the license as specified in this petition.

N. J. LEWIS.

SUMMONS.

In the Circuit Court of the State of Oregon, for the County of Harney.

Lottie Peterson, Plaintiff, vs. Thorvald Peterson defendant.

To Thorvald Peterson, the above named defendant:

You are hereby summoned to appear and answer the complaint in the above entitled cause filed against you, in the above entitled Court by the 20th day of October, 1902 and are hereby notified that if you fail so to appear and answer the plaintiff will for want thereof apply to the Court for the relief demanded in said complaint to-wit:

For a decree of the court dissolving the marriage contract existing between plaintiff and defendant in said suit and also for the award of the care and custody of the minor children of said marriage with plaintiff and the costs and disbursements of the suit.

You will take notice further that the date of the order for this publication is the 2nd day of September 1902.

THORSTON WILLIAMS.

Attorney for plaintiff. Published in the Times-Herald once a week for six full weeks beginning with and inclusive of the 6th day of Sept. the date of the first publication, by order of the Hon. County Judge of the State of Oregon for Harney County, of date Sept. 24 1902.

University of Oregon, EUGENE, OREGON.

The first Semester, session 1902-3, opens Wednesday, September 17.

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