

The Times-Herald  
The Official Paper of Harney County  
has the largest circulation and is one of  
the best advertising mediums in Eastern  
Oregon.

# The Times-Herald.

The Great Harney Country  
Covers an area of 6,428,000 acres of  
land, 4,634,951 acres yet vacant subject  
to entry under the public land laws of  
the United States.

VOL. XXIII

BURNS, HARNEY COUNTY, OREGON, JANUARY 22, 1910

NO. 10

## RAILROAD WORK BEGIN

### Construction Toward Harney Valley When Spring Comes Once More

## ONTARIO PAPER ANNOUNCES IT

Utah Construction Company has Contract to Build Eighty Miles  
During Coming Season, Bringing Road to Juntura--Col. C.  
E. S. Wood Makes Appeal for State to Buy Railroads.

The Ontario railroad up the Malheur river is to be extended to Juntura at once, work to be started when the weather will permit, says the Argus.

Apparently the people distant are better posted on this than our home folks as railroad builders are coming in on every train looking for places on the grade. This confirms the reports passed out several days ago.

The Utah Construction Company has a contract to build eighty miles of road during the coming season which will take the rails to the junction of the rivers, Juntura.

Several persons in Ontario have been engaged by D. H. Ashton, engineer in charge of construction, to report soon as the weather breaks up.

Several cars loaded with material to be used in the construction has arrived and everything will be ready to rush the work all season.

There will be considerable rock through the canyon above the Harper ranch but nothing difficult from a railroad builders standpoint.

From Juntura to the Harney Valley is about 45 miles and this will be covered with all speed possible.

The road has been promised for many years but it required the advent of Jim Hill into Oregon to force the actual building and it appears now as though the Hill interests have acquired the necessary interests to give them a right of way through the canyon, outside of that point there is ample room for both lines.

### URGES STATE TO BUY RAILROADS.

"The crank of today, gentlemen, is the great fellow of tomorrow."

With this preface, Col. C. E. S. Wood last night launched into a talk before the annual meeting and banquet of the Chamber of Commerce, that held the attention of his listeners until the very moment they had to "run to get their last car". He talked upon the future of the state, in response to a request to address the meeting on eastern Oregon, says the Journal.

"I would rather have been assigned some other subject," Colonel Wood explained, "because I have talked on eastern Oregon so much and so often that perhaps you have about run out. But I will speak on eastern Oregon, because it is a vast tract of undeveloped country, and development is the battle cry of the day."

"I heard this evening that we are going to build a \$1,000,000 crematory. Now, if we can only get the right people into this crematory—but I do not mean to load it up with cranks, because the crank of today is the great fellow tomorrow. Now, if you do not know any cranks around this neighborhood, I can introduce you to one. Stick to the crank."

Colonel Wood's opportunity to speak came shortly before midnight, after the reading of a number of interesting but lengthy reports of the work for the year of the chamber's officers and committees, and after the announcement of the nominating committee's selection of officers for the ensuing year.

After depicting in true colors and a most entertaining style the men that since the encroachment upon the reign of the red men have constituted the sparse, widely-scattered and isolated population of the vast stretches

Oregon Retail Grocers' Association. There is a splendid program of deep interest to the dealers in food-stuffs and the attendance is expected to be the largest in the history of the state association. Problems coming up in the grocery business will be discussed and mutual help gained from the interchange of ideas of the various dealers.

Portland is entertaining today what is said to be the biggest excursion party ever organized in the Northwest and which includes 225 residents of Spokane, the Coeur d'Alene country, Walla Walla and the Palouse country and of the Canadian provinces of Alberta and Saskatchewan. The party occupies a special train of Pullmans and is bound for California. It was organized by the Spokane Chamber of Commerce and the Walla Walla Commercial Club in connection with the Harriman lines, it having become the custom to run a midwinter excursion to California each year. While in Portland the excursionists are being entertained by the Portland Commercial Club.

An example of the big money in hog raising was given here during the past week when a single porker, weighing 680 pounds, brought \$61.20. This is the highest price that a single hog ever brought at the stockyards. The hog was raised by Henry Larkin, of Colfax, Wash. Hogs reached \$9.20 during the week.

Coos Bay seems to be in line for some real railroad building and both the Hill and Harriman systems are reported to be showing interest in that section. It is said work is about to be resumed on the Southern Pacific line from Drain and the Northern Pacific is said to be negotiating for big coal holdings, which lie close to Marshfield.

### FARMING LEADS.

"Farming in the United States probably made more progress during 1909 than any other industry," was the comment made in Wall street this week by a big railroad operator. "Farmers are realizing, and so are railroad men, bankers, merchants and manufacturers that to the farmer we must look for most of our substantial prosperity. The steel and iron industries may be running full tilt; the railroads may have more business than they can handle, but let the farmer get discouraged and down comes tumbling every other business enterprise," he went on.

The value of farm products is placed at \$8,760,000,000, an increase of \$869,000,000 over 1908 and nearly double the value of 10 years ago. The value of products in 11 years has been \$70,000,000,000. The hop crop is valued at \$665,000,000, oats at \$400,000,000, potatoes at \$212,000,000, tobacco at nearly \$100,000,000, wheat at \$725,000,000, corn at \$1,720,000,000 and the lint and seed of cotton crop at \$859,000,000.

The production of all cereals combined is 4,711,000,000 bushels, an amount considerably greater than that for any other year except 1906. It exceeded the average of preceding five years by 6.5 per cent. The value of all cereals in 1909 has never been equaled in a previous year. It is almost exactly \$3,000,000,000, or 34 per cent above the five year average. The increase in the value of farm products this year over 1908 of \$869,000,000, is enough to buy a new equipment of farm machinery for 6,000,000 farms. Farming, instead of being looked upon as only the occupation for the lazy, uneducated class, now evidently takes foremost rank among the industries of America. All railroad presidents seem to agree on this point, as do many bankers, merchants and brokers with whom I have talked.

### INDUSTRIAL NOTES.

(Portland Correspondence.) Wool growers of the country will gather at Portland in 1911, bringing to this city a convention representative of a great industry. Delegates to the recent convention of the wool men at Ogden from the Pacific Northwest were a unit for Portland as the next meeting place and they captured the gathering without serious opposition. Ninety per cent of the wool growers of the country are members of the organization and the convention will bring thousands of visitors to Portland. The next meeting of the national body will be held here in January, 1911.

Grocers of the state will gather at Eugene January 26 and 27 for the annual convention of the

## LAWS ARE ANTIQUATED

### President Taft Urges Change in Land Laws in Special Message

## CONSERVATION OF RESOURCES

Lays Stress Upon Economic Importance of Making Best Use of Self-contained Resources of Soil--Professor Bradley Explains Necessity of Conserving Soil Chemicals to Aid Plant.

President Taft in his latest message urges reform of the land laws. He speaks of the reforms instituted by his "distinguished predecessor," and says they are being continued under the present Administration; he urges conservation of water-power; he lays stress upon the economic importance of making the best use of the self-contained resources of the soil; he would preserve to future generations of miners and farmers the great timber of the uncut forest; and he would inaugurate a system of improving the waterways of the country. He finds that the improvement of waterways means lower freight rates, and that "it is the best regulator of those rates that we have." Some of the sentences from the message are:

"The truth is that title to millions of acres of public lands was fraudulently obtained, and that the right to recover a large part of such lands long since ceased by reason of statutes of limitation."

"The present statutes, except so far as they dispose of precious metals and purely agricultural lands, are not adapted to carry out the modern view of the best disposition of public lands to private ownership, under conditions offering, on the one hand, sufficient inducement to private capital to take them over for proper development with restrictive conditions, and on the other, which shall secure to the public that character of control which will prevent a monopoly or a misuse of the lands or their products."

"One of the most pressing needs in the matter of public land reform is that lands should be classified according to their principal value or use."

"The extent of the values of phosphate is hardly realized, and with the need that there will be for it as the years roll on, and as the necessity for fertilizing the land shall become more acute, this will be a product which will probably attract the greed of monopolists."

"Development in electrical appliances for the conversion of water power into electricity to be transmitted long distances has progressed so far that it is no longer preposterous, but it is a certain inference that in the future power of water, flowing in the streams, to a large extent will take the place of natural fuels."

"In considering the conservation of natural resources of the country, the feature that transcends all others, including woods, waters and minerals, is the soil."

"But there are millions of acres of completely arid land in the public domain, which, by the establishment of reservoirs for the storing of water and irrigation of the lands, may be made much more fruitful and productive than the best lands in a climate where the moisture comes from the clouds."

"One difficulty which has arisen is that too many projects, in view of the available funds, have been set on foot."

"I earnestly recommend that all suggestions which he (Secretary Ballinger) has made with respect to these lands (timber lands), shall be embodied in statutes and, especially, that withdrawals already made shall be validated so far as necessary and that doubt as to the authority of the Secretary of the Interior to withdraw lands for the purpose of submitting recommendations as to future disposition of them, where new legislation is needed,

## LAYS STRESS UPON ECONOMIC IMPORTANCE OF MAKING BEST USE OF SELF-CONTAINED RESOURCES OF SOIL--PROFESSOR BRADLEY EXPLAINS NECESSITY OF CONSERVING SOIL CHEMICALS TO AID PLANT.

### SOIL CHEMICAL AID PLANT LIFE.

"Soil and Soil Fertility" was the subject of a lecture by Charles E. Bradley, professor of agricultural chemistry at the Oregon Agricultural College, before an audience representing the Portland Apple Growers Association at the Y. M. C. A., says the Oregonian. Professor Bradley illustrated his lecture with a series of charts and stereopticon views, which indicates the wealth and value of various soils.

The epitome of Professor Bradley's lecture was that farmers should do something toward the conservation of the chemical elements in the soil, which are valuable for plant foods. He especially urged the value of conserving nitrogen. This, he brought out, could best be accomplished by the planting of clover crops or crops of red clover, vetch or alfalfa which are some of the few plants which derive their nitrogen from the air, and when plowed under leave the nitrogen in various compounds in the soil.

He pointed out, however, that while the older communities are spending large sums in putting new plant foods into the soils by administering potassium, phosphorus, lime and nitrogen into the soil in various compounds, the great Northwestern country is still using the native plant foods and has not as yet found a great necessity for feeding the soil. Professor Bradley answered many questions during the course of the lecture. His lecture was in part as follows:

"The origin of soil comes first of all from decomposition and disintegration of rock. The character of rock determines in large measure the wealth of the soil. This decomposition takes place throughout all time, the weathering and oxidation being the principal agents. Moisture helps to reduce the rock to powder and then by water and winds the crushed rock is scattered to the valleys, where it is ultimately tilled. We have had several great flows of lava over this Northwestern country, and as a result our soils are highly volcanic."

"What makes soil productive? This is the great question. Soil is first of all, a complex mixture. We find in it pebbles, sand, silt, gravel, clay and, above all, an organic matter. Now, climate has much to do with the character of the soil. Eastern Oregon, for example, has sandy soils, due largely to the dry character of the climate, while Western Oregon, a more humid climate, is found with rich clay loams. There are, however, a number of conditions to be recognized in determining the plant life of a soil. These are physical, bacteriological and chemical."

"Taking the physical aspect, plants must have moisture, and this is shown by the fact that a plant is composed of 95 per cent water. No matter how rich the soil, plants will not grow without water. Temperature is another physical condition which must be taken into consideration. We find that plant life barely exists at zero temperature, is healthiest at from 80 to 90 degrees and is lost again at 144 degrees, where there is no further plant growth."

"There are also bacteriological conditions which must be met. It is well known the soil life as well as the soil itself is important. This is for the reason that the plant food is best put into good condition for assimilation by the plants by certain bacteria."

"But these conditions are not all important. We may take a box of sawdust and have it just moist enough, have it exactly the right temperature, and have it the correct porosity for plant growth and filled with all the bacteria ever found in the ground but still we would get not an iota of growth. This is because the chemical conditions are wanting. It is the chemical conditions of which I wish to speak in particular."

"A chemical analysis of the ordinary plant shows 95 per cent water. Now when the plant is dried and the residue is taken again we find 95 per cent is organic material, such as carbon, hydrogen, oxygen and nitrogenous compounds in the form of starches, proteins, etc. In the remaining five per cent we find the chemical reagents, which we wish to discuss in particular. Here we find a great percentage of silicates, iron and aluminum, which are really the diluting agents for the other chemicals, as nitrogen is used to dilute the oxygen in the air we breathe. Aside from the iron, aluminum and silicates are potassium, phosphorus, nitrogen and lime. These are all vital to the plant growth, and we know positively that plant life will not exist without any one of these."

In every family there is a constant demand for stories—good, thrilling stories of adventure and heroism. That The Youth's Companion supplies this demand is attested in more than half a million homes.

The serial stories for 1910 alone are well worth The Youth's Companion subscription price. These include stories by Arthur Stanwood Pier, C. A. Stephens, Grace Richmond, Charles Miner Thompson and Winifred Kirkland. Send for full Prospectus of the 1910 Volume and see what an amount of the best reading has been secured for The Youth's Companion family for 1910.

If \$1.75 for the 1610 Volume is sent now, the new subscriber will be entitled to all the remaining issues of 1909, in addition to the 52 issues of 1910; also the "Venetian" Calendar, lithographed in thirteen colors and gold. Any one making a gift of The Youth's Companion receives an extra copy of the Calendar, in addition to the copy for the subscriber.

THE YOUTH'S COMPANION, Companion Bld. Boston, Mass. New Subscriptions Received at this Office.

There is no quinine, nothing whatever harsh or sickening in Preventives. These little Candy Cold Cure Tablets act as by magic. A few hours—and your threatening cold is broken. Candy-like in taste. Preventives please the children, and they break the feverishness, always. And best of all is the economy. A large box—48 Preventives—25 cents. Ask your druggist. He knows. Sold by Reed Bros.

THE HARRIMAN MERCANTILE CO. GENERAL MERCHANDISE BEST GOODS AT LOWEST PRICES Complete line of Groceries and Dry Goods Cents Furnishings FULL AND COMPLETE LINE OF HAMILTON BROWN SHOES HARDWARE FARM IMPLEMENTS, WINONA WAGONS, BARBED WIRE

We guarantee quality and prices—Let us prove to you that we have the goods at right prices—Call and see us Harriman, Oreg.

## Spring White Goods for 1910

### New White Waistes Beautiful line Embroideries Ladies Muslin Undergarments New Spring Kimonas

New goods arriving and we will be able to show the new lines of waistes, gloves and summer dress goods within a short time.

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The Satisfactory Store Burns, Oregon.

250 Thrilling Stories.

## M. L. LEWIS

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Probably the greatest coffee substitute yet produced is that now known to grocers everywhere as Dr. Shoop's Health Coffee. It actually goes a third farther than all others, and besides it is "made in a minute." No 20 to 30 minutes tedious boiling is at all necessary. Pure toasted grains, malt, nuts, etc. have been so cleverly blended as to give a wonderfully satisfying, true genuine coffee flavor and taste. And not a grain of real coffee is used. 100 cups, 25c. Sold by Reed Bros.

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PETITION FOR LIQUOR LICENSE. We the undersigned legal voters of Diamond Precinct, Harney County, State of Oregon respectfully petition the Hon. County Court of Harney County, State of Oregon to grant a license to M. Horton to sell Spirituous Writ and Vinous Liquors in less quantity than one gallon in Diamond Precinct, Harney County State of Oregon for a period of six months, from March 1, 1910 to August 31, 1910 as in duty bound we will ever pray.

Names: R. H. Brown C. W. Frazier J. A. Smith C. S. Skinner R. L. Huse P. Smyth C. M. Van Buren R. S. Dugger W. H. McKinzie H. D. Ugeley R. A. Smith C. T. Simmons Frank Silva Clifford Pugsley Thos. Sullivan Dean Horton

Notice is hereby given that on Tuesday the 1st day of March 1910 the undersigned will apply to the County Court of the State of Oregon for Harney County for the license mentioned in the foregoing petition.

Application for Grazing Permits. NOTICE is hereby given that all applications for permits to graze cattle, horses, and sheep within the DESCHUTES NATIONAL FOREST during the season of 1910, must be filed in my office at Prineville, Oregon, on or before February 20, 1910. Full information in regard to the grazing fees to be charged and blank forms to be used in making applications will be furnished upon request. A. S. IRELAND, Supervisor.

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