OREGON WATERS UNIFORMLY GOOD

A report on the quality of the surface waters of Oregon, just issued by the United States geological survey, contains much information that will be valuable not only to municipalities and to manufacturers already in Orconcerns, filter manufacturers and of the strikers. others to whom the chemical composgarding the composition of surface were signed with a rubber satmp be- mineral waters, platinum, and silver. waters along the Pacific coast.

In July, 1911, the director of the federal survey contracted with the With Medford trace is Medford made 1913. state engineer for a co-operative study to determine the chemical composition of the waters of Oregon, and this study was carried on during the rest of that year and in 1912. Daily samples of water were collected for In a nation normally republican, to continue his unswerving support of

Cooperation With State

springs of the state. Waters Desirable for Use

general soft and free from harmful socalled "war tax" which is really an honest, respected and efficient man. mineral constituents, comparing fa- EXTRAVAGANCE TAX, not to menvorably in these respects with the tion the usual state, county and city Oregon legislature for economy and best surface waters of New England, taxes, and not forgetting special as efficient government. northern New York and northern seesments and extravagant county Wisconsin, enormous quantities of ted state expenditures. Our proper- is at a standstill all over the country which are used in all kinds of manu- ty is assessed high and our rate of facturing. Many of the Oregon wa- taxation has been advanced. IT cratic administrations listory is ters are even less highly colored than HAD TO BE to meet the enormous repeating itself. What explanation much water which is used in the east expenditures of an extravagant demowithout trouble in paper mills, cratic administration. bleacheries and dye works. The river waters of western Oregon are soft, do not require freatment for use in boil- by facts the democrats have the ef- attempt to befuddle the voters by deers and would not cause corrosion of eastern Oregon are not uniform in trimmer whose carelessness and ne- remember that the candidates of their character; the waters of Chewanean, glect of duty lost to Oregon about party were selected not by under-Deschutes, Grande Ronde and Wal- FIVE MILLION DOLLARS) rather handed methods but by a majority of Crooked, John Day, Owyhee, Powder, Silvies, Snake and Umatilla rivers are hard and need softening for best results in boiler practice.

The slight mineralization and the small amount of incrustants found in there a man in Jackson county, no Republican principles have stood waters flowing through the arid portions of the state are surprising. In these respects they differ greatly from the desert waters of California.

Excellent for Irrigation

All the river waters of the state that were examined are excellent for irrigation and could be used almost indefinitely without causing an injurjous accumulation of alkali due to their dissolved matter. All the lake lican votes to Chamberlain with the REPUBLICANS, waters of the southeastern part of the state are characterized by the presence of black alkali or sodium carbonate and some are not suitable for irrigation, though others may be used if proper precautions are taken to prevent undue accumulation of al-

Several lake heds in southeastern Oregon have been looked upon as possible sources of salt, potassium, soda and other commercial salts. The report contains reliable analyses of nost of these salines and discusses their commercial possibilities.

Columbia Low in Minearals

Columbia river, which forms naviof the northern boundary of Oregon is one of the great rivers of the world, draining an area of nearly 240,000 square miles. Its water at Cascade Locks, the lowest practical sampling point above tidewater, carries an average of only 97 parts per million of dissolved matter and 40 parts of suspended matter. It is lower in dissolved mineral content than any other great artery of the United States, being superior in this respect to the Mississippi, the Rio Grande, the Colorado and the St. Lawrence, and carrying less suspended matter or silt than any other river except the St. Lawrence, which drains the immense sedimentation reservoirs of the Great Lakes.

The basaltic character of the rocks in the Columbia river basin and the heavy rainfall on its high mountain tributaries are the chief reasons why its water energies so little mineral matter. Yet in spite of this relatively small proportion the discharge of this stream is so great that it carries annually into the Pacific ocean

about thirty million tons of mineral

Copies of this report, which has been published as water supply paper 363, can be obtained free until the edition is exhausted by application to the director United States Geological Survey, Washington, D. C.

BELGIANS GO ON STRIKE: WON'T WORK WITH GERMANS

just returned from Brussels.

longing to King Albert which was The total value of the mineral protaken from the king's desk.

HUNDRED PERCENT

LONDON, Oct. 22, 3:50 a, m .- A in Oregon reached \$1,627,710 in quantity required for the normal con- German Sect is reported off Falster- definitely between the coast and Lilie forinight ago hundreds of Belgian 1913. This is an increase of more sumption of the population. The sti- be, Sweden, on the Baltic sea by the and it cannot be long before the enpostal clerks struck declining to work than 100 per cent over the value for nation is further aggregated by the Copenhagen correspondent of the core is crampled and are correspondent Daily Mail's correspondent who has issued from figures compiled by the troops in the field. United States Geological Survey In "On the same day all the post co-operation with the state of Oreegon, but to those who may contem- boxes were placarded with a German gon. Oregon's output of clay proplate locating industrial establish- poster telling the people to call for ducts for 1913, exclusive of pottery. ments within the state, and also to their letters. Hundreds of Germans is valued at \$771,795, compared with 8734,226 in 1912. The production of sand and gravel increased from 1,067,634 tons in 1912 to 1,144,152 irrigation engineers, water-softening have been imported to take the place \$734,226 in 1912. The production "All the grounds at the palace of 1.067,634 tons in 1912 to 1,144,152 ition of water supplies is a matter Lacken, one of King Albert's summer tons in 1913 but decreased someof importance. This document cm- residences, are occupied by troops, what in value. The value of the bodies the results of the first com- but the palace itself was occupied stone produced, however, increased prehensive study of the surface wat- only for three days by the officers, from \$268,002 to \$357,498. There ers of Gregon, and, with its compan- During their occupancy, however, was a slight increase in the producion documents on Washington (wa- much damage was done, to the pic- tion of coal, from \$41,627 tons, valter supply paper 339) and California tures in the palace. The officers had ued at \$116,724, in 1913. Other (water supply paper 237) forms a dinners brought in from the hotel mineral products of the state are fund of invaluable information re- and paid for them with bills that copper, gems, gypsum, lead. lime,

ducts of the state increased from \$2,553,549 in 1912 to \$3,563,919 in 🐟

To Republicans of Jackson County

a year from more than twenty sta- and overwhelmingly republican so extravagant democratic policies-six tions on the principal . rivers, and far as our state, county and city are years more of shameful neglect of these were analyzed by Walton Van concerned, we have a democratic his duties to the state which sent him Winkle, the author of the report, in a president, a democratic senate and there. We have had too much of laboratory which was placed at his house of representatives and a politicians who seek the office and disposal through the courtesy of Wil-democratic governor. Our county its perquisites rather than the oplamette university. Besides these judge and our prosecuting attorney portunity of serving to their best regular serial examinations analyses are democrats and in our city the ability the state they represent. If were made of samples of water from mayor, recorder, treasurer, attorney, you are a true republican you will several other rivers, nearly all the police judge and most of the police important lakes and certain mineral force are also democrats.

Under such political control our taxes are the highest they have ever terests of Oregon. And for gover-The results of these tests show that been. We have a corporation tax, nor you will vote for Withycombe, the surface waters of Oregon are in an inheritance tax, an income tax, a the candidate of your party and an

frontry to ask republicans to vote for faming the character of the republiunder most conditions of use. Those George Chamberlain, (the political can candidates. Republicans should lows rivers are soft, but those of than for R. A. Booth, a ploneer in the voters of the republican party in tries who has caused more than TEN May. And credit should be given to MILLION DOLLARS to be brought the majority of the republican party into Oregon and spent in the develop- for ability to select for our public ment of her natural resources. Is offices men of honesty and ability. matter what be his financial stand- the test of time and the country has ing or political faith, who would not prospered under republican adminwelcome men of Booth's type to de- istrations. In contrast you have only gon as he has developed the re- of the democratic party to realize the sources of Lane and Douglas count-certainty with which business deies? No! Men like Booth build up pression and worse has followed its the community in which they oper- rise to power. Republican principles

absurd argument that his experience JACKSON COUNTY REPUBLICAN Washington entitles him to six CENTRAL COMMITTEE. years more-six years more in which

vote for R. A. Booth for United States senator and help elect a man who will support republican princi-ples and give careful heed to the in-

do the democrats offer. Not anythey have fallen back on their usual Yet in the face of these humiliat- tactics and are mud alinging in an be development of Oregon indus- a legal and state-wide primary last

'elop the resources of Southern Ore- to review in your mind the history and republican candidates DESERVE The democrats seek to turn repub. THE ACTIVE SUPPORT OF ALL

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AUSTRIA AND HUNGARY SHORT ON MEAT SUPPLIES

prices in Vienna and Rada Pest have untion is regarded as serious. risen considerably during the past fortnight the livestock offered in both The value of the gold produced these markets has been far below the

longer with the Germans, says the 1912, according to a statement just necessity of providing most for the Dally, Telegraph.

failed to attract larger supplies of HOPE ANEW FOR Hyestock to the markets, is taken to indicate that the total stock of catle

German Warships Off Faisterbo

VENICE, via Paris, Oct. 22, 1:50 a. within the dual monarchy is inade- LONDON. Oct. 22, 2:43 a. m. - in attempted const raid to Calais has n. Austria and Hungary are con- quate to meet the present extrordin- a dispatch dated "Behind the allies" completely failed. fronted with a serious shortage in any demand for meat. Since there is jeft wing," the Daily Mail's corretheir meat supplies, according to in- ne immediate likelihood of being able spondent says he hears the Germans Germans. Their retreat in being formation received here. Although to increase imports of cattle the sit- are on the point of evacuating Bru. closely to any by the allies." geo. He declared the situation is dusty improving for the allies.

"The Germans' 'channel army' LONDON, Oct. 22, 2:45 a. m .- A the correspondent adds, "gleags in back into Germany,

A disputed to the Daily Chronicle. The fact that litgher prices have With Medford trade is Sectord made from the Belgian frontier says:

"The theatrical excursion of the THE ALLIED FORCES German agos to the North Sea has reached an instorious conclusion. The

'Ostend has been evacuated by the

With Medford trade is Medford made



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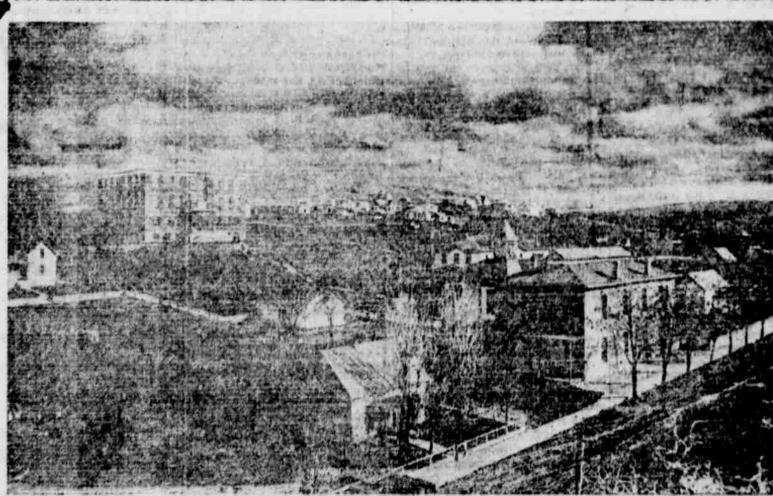
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schools are none too many for this great commonwealth. Reflect that if you pay tixes on \$2000, the permanent and adequate maintenance of the Eastern Oregon Normal will cost you but

(Paid advertisement, authorized by F. D. Watts, William MacKenzie, S. A. Barnes, E. O. DeMoas, Clark Wood.)