

**MAKES REPORT**

**THE STATE OF OREGON**  
**SUBJECT.**

**Reservoir Sites But Dams**  
**Geographical Details**  
**Shown by Experts.**

The United States census bureau has issued the following preliminary statement concerning irrigation in the state of Oregon in the year 1902. The statistics are for the entire state of water supply in principal drainage basins.

The state of Oregon is divided geographically by the Cascade mountains into two parts, very equal in area and very different in soil, climate and altitude. These snow-capped mountains, 115 miles inland from the coast, are a continuation of the Sierra Nevada and have an altitude of 6,000 or more.

Eastern Oregon is a great inland plateau, 2,000 to 5,000 feet high. The north-east are the Blue mountains 7,000 feet or more in altitude, with two large spurs extending westward and the other toward, and known, respectively the Western spur and the Powder River mountains while to the south, extending to the state boundary are Stein mountains, while the low ranges trend westward in the Blue mountains to the Cascade range.

The plateau is divided into two sections, the northern drained to the Columbia, an eastern to the Snake portion of which is independent, while the western is drained to Klamath river.

The annual average rainfall varies from 6.5 inches in the mid-southern part to 12.7 inches in the northern and northern sections. One peculiarity about the rainfall for the entire state is that three-fourths of it occurs during the period from October to March.

The soil of the plateau consists largely of disintegrated lava, and there is sufficient moisture to grow native grasses are found and grazing is an important industry. In the valleys the soil is a rich, alluvial deposit, and under irrigation produces large crops. The larger streams are generally perennial, but many of the smaller tributaries are dry during the summer months.

Looking at the state as a whole, irrigation conditions in 1902 were above the average. The increase in number of acres irrigated, though not large, shows considerable progress. Several systems have been installed since 1899; quite a number were used for the first time in 1902, and reports indicate that others, costing many thousands of dollars were under construction or being planned for 1903.

In many sections the run-off is sufficient to water many times the present irrigated area. By the first of June the July most of the water in the smaller and higher tributaries is exhausted and any marked increase in irrigation in the future must come largely through construction of the early spring floods. The excellent reservoir sites have been reported, but most of these will require the expenditure of large sums for building the necessary dams, lead-gates, etc., and these should be undertaken by the government or by corporations with large capital. A few may be completed by individual farmers through co-operative association.

In many instances the irrigators complain of the great waste of water through the lack of suitable laws governing its appropriation and use. The methods of management and the economical use of the ordinary water supply will doubtless increase the number of acres that may be brought under irrigation.

**IRRIGATION PROTEST BY T. G. HAILEY**

**Irrigation Commission to Hurry and Clamor for Suggestions.**

T. G. Hailey wants the irrigation commission to hurry up and hand in their ideas. Since the meeting in Portland some time ago, at

which it was decided that all the members should look over the different laws and make their suggestions and annotations, and after which all should be handed to Mr. Hailey for drafting into a law, but one of the commission has seemed to take any interest in the matter and Mr. Hailey is becoming impatient, says the East Oregonian.

He was at the train this morning on his way to his ranch, when a large consignment of tomatoes from Florida were being transferred from the east-bound to the Spokane branch.

"It is a shame," said the man in whose care is reposing the future irrigation laws of the state, "It is a shame that all of these things have to be shipped in. Look at those tomatoes, brought 3,500 miles, every one of which could be duplicated in this county at this time, if there

The other band was the property of W. T. McKern and was ranging at what is known as the Juniper Flats. His loss is reported at about 100 killed and the same number wounded.

These losses will fall heavy on the sheep owners, and will not have a tendency to make range affairs any more agreeable in the future. Both Mr. Clark and Mr. McKern are prominent residents of Grant county and the affair is much regretted.—Blue Mt. Eagle.

Several of the members of Harney Lodge, No. 77, I. O. O. F. will go to Drewsey to help celebrate the anniversary of Odd Fellowship on the 26th. They anticipate a fine time and will not be disappointed.

Over 100 pounds of creamery butter was received and sold out by one firm in this city within less



**The First Presbyterian Church of Burns and its Pastor.**

This cut shows the first Church erected in Burns. Although the cut was made from a recent Kodak photo, taken by Hon. C. W. Parrish the grounds have been improved since by a neat fence and the plot will be seeded to grass. The Manse is situated on the same block.



Rev. A. J. Irwin, the pastor, has had charge of this Church for four years and is very popular throughout the county.

was water on the land. All of this freight would be saved the consumer, and the people of Umatilla county would get the price of the tomatoes.

"There is a carload of cream, also," continued Mr. Hailey, "If we had irrigation we would have all kinds of cream, and Pendleton would ship it out, or better still, would have a creamery here to handle it, instead of seeing it pass through from another point, to outside consumers.

"And," finished Mr. Hailey, as he climbed on the train ranchward bound, "Pendleton should have a packing plant to take care of the rapidly increasing droves of fine hogs and herds of beef cattle that are to be found in the county."

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**SHEEP KILLED IN GRANT COUNTY.**

**Two Bands Shot Into Sunday Night And Many Killed and Wounded.**

It is currently reported that two bands of sheep were shot into last Sunday night north of the John Day river in the Mt. Vernon country and that the number killed aggregated 250 while the number wounded is equally as large.

One band was owned by Geo. Clark and it is said was ranging at the time on Dry creek on road land he had rented from the Eastern Oregon Land Co. His loss is placed at 148 killed and about the same number wounded, many of which will die.

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This modern new hotel was only recently opened to the public. Harney County people will be always welcome and courteously cared for. A first-class bar in connection.  
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SAM BAILEY, Proprietor.  
Fine Wines, Liquors and Cigars  
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CLUB ROOMS IN CONNECTION. EVERYTHING FIRST-CLASS.  
Courteous and obliging Mixologists.

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**STAPLE AND FANCY GROCERIES.**  
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