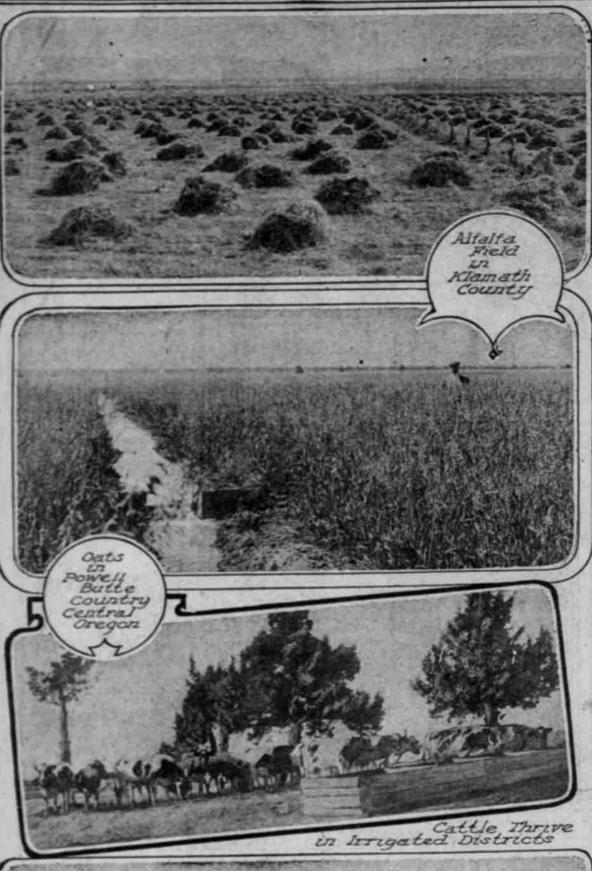
Reclamation of Arid Lands in Oregon Is Great Stimulus to Intensive Development

Immense Areas Reclaimed by Private Enterprises, Irrigation Districts and Government Projects. State Blessed With Abundance of Water and Rich Soil.





New Dam on Umatilla Project near Hermiston

tion, 1000 acres of which is new land developed during 1915.

Under this segregation there are about 70,000 acres of irrigable land, of which about \$3,000 acres sold. Alfaifa and potatoes are the standard crops raised, closely followed by clover, root crops and grains. The approximate value of crops raised in 1915 on this project is \$225,000, an increase of nearly \$45,000 over 1914. Dairying and hog raising are very important industries in this district.

State Project a Success The state Tumalo project, in Crook County, containing 22,000 acros, was completed a year ago and the lands placed on the market. This is the une instance where the state has entered placed on the market. This is the one instance where the state has entered directly into the reclamation of arid lands. This project cost \$450,000, being a direct appropriation by the Oregon Legislature. Little advertising has been done, and this, coupied with the fact that the anticipated immigration West has been very light during the past three years, has resulted in the disposal of a comparatively small arreage. However, a number of new asttlers have taken up land on the project and much has been done in the way of general development. About \$350 acres are under cultivation, of which 2000 acres is new land reclaimed during the last year. The general climatic and soil conditions are very similar to those on the Contral Oregon Cary act segregation. Alfalfa, clover and root crops are successfully raised and many farmers on the project are now engaging in dairying and hog business satematedly.

The Palsley project, at Paisley, in Lake County, has been tied up on account of litigation over water rights, and development greatly retarded, but final settlement is in sight, and if is probable work will begin in the early Spring. There are 12,000 acres in this project, about one-sixth of which is now being furnished with water and under cultivation. It is estimated it will cost approximately \$525,600 to complete the system as now outlined. The money is available to do this work, and as soon as the legal obstacles are cleared up it will be pushed to completion.

Private Projects Make Gains.

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There are a large number of private irrigation projects in the state, some of which have been very successful. Many of these, on account of the cost in financing, are of small acreage, yet, taken as a whole, have recialmed many thousand acres. The same difficulty in financing is experienced by the private enterprises, as by Carey act or other companies.

Probably the largest of the private projects is the Goose Lake, in the southern part of Lake County, with water ready for about 50,000 acres. Much of this land has been more or less successfully farmed under dryfarming methods for many years, but when watered the yields will be materially increased. While much grain and hay have been produced, livestock

PAID-IN CAPITAL STOCK OF OREGON BANKS. 1910.\$15,182,025 | 1913.\$18,620,860 1911. 17,112,250 | 1914. 19,552,630 1912. 17,760,300 | 1915. 18,985,250

falfa, grains and fruits are the principal products, and about \$250.000 worth were produced during the last year. While water is ample for early irrigation, storage reservoirs are needed in order to take care of the late crops. The yields on the project would be increased about 40 per cent by the alorance of flood waters.

tensive in character to be taken care of by private capital.
In order to reclaim this land it will be necessary to form Irrigation districts and adopt some plan whereby an investment of outside capital can be made attractive. Many of the existing private projects in this county have made great progress during the last year. The Kingman Colony project, though containing but 2500 acres, has 1500 under cultivation, and raised during the last year about 250,000 worsh of hay, besides livestock and grain. The history of this little project is the history of practically all the Northern Malheur County irrigated lands.

Sheep-Raising Industry Is Made Profitable With Improved Methods and Better Breeds

With Passing of Ranges, New Conditions Change, Methods in Industry-More Sheep Raised on Small Farms-Marketing Facilities Satisfactory.



Early in the 18th century Merino sheep were introduced into America. These sheep were crossed upon by the storage of flood waters.

Fregress in Malheur County.

Malheur County has made rapid progress during the last year, and soil and so it was in Oregon in the early '50s when the principal sheep-raising district was in Western Oregon. At that time those hardy ploneers and hay, grain and frist are raised with marked success. For several years past many experiments in corn raising have been made. As a result there are a number of recorded yields of over 10s basels per sever of shelds of the work of the first common did with the pressure of the work of the first common did with the pressure of the work of production and beautiful seas.

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to make it impractical to attempt to might be grazed in the reserves, in bring the lambs to market for mutton purposes, and it is probably to these in one year.

I think it is conservative to say that for every breeding ewe that is being the lamb that is to become the breeding the lamb that is to become the breeding that is to be the sheep itself, so that is to be the sheep itself, so that is to be the sheep itself, so the sheep itself.

lambs.

Breeders Deserve Credit.

There are certain sections in Oregon that are so remote from the railroad as to make it impractical to attempt to