Change of Attitude in Favor of Saving Forest Resources of Oregon Is Welcomed

State That Has Timber Resources That Are Measured in Millions of Acres in Normal Times Affords Employment to 22,000 Men in Industries in Woods.





serge W. Fenery, Dean of Gregor School of Porestry. MH was, and but a few years ago when to the average citizen of Oregon the word forestry was eaning as the nebular hypoth ration of our forest resources ufflicient provocation for scornful A few short seasons have ght great changes in the attitude of Oregonnane toward their natural re

of their state at heart, and that in-cludes meat of us; no longer believe in

The students are trained to know all the commercial trees of the state and to bleenily the thusber when it is manufactured into beards. They are instructed in the many web of lumber, and in the peculiar adaptation of timber to certain purposes in order that this great resource may be put to those uses to which it is best simpled.

The students in forestry are drilled in the methods of fire prevention and control. They learn how to plant them stoceascicily in the field. They fovestigate systems of taxation, expecially in their amplication to standing timber, in order that they may aid in securing fee the timber awner, who harvests a drup but once in a period of in to deyears, the same treatment that is accorded to the farmer who harvests a crup every year. Finns and topographic surveying form a necessary part of the ferester's equipment, since practically every woods operation requires some form of marping or excepting. They are given practical instruction in timber cruising. Collowing methods employed by the Federal Furset Service and the most progressive timberman.

Legging Engineering Tanght.

Logging Rogiocering Taught.

Legging Engineering Taught. Harvesting the timber crop of the grate is just now a more pressing problem than the pontartion of new timber crops. Out of the intricate and manifold problems involved in logging in the Pacific Northwest was born the profession of logging engineer. Nowhere size in the world is the timber as uniformly large. Nowhere size is the topography so rough. Nowhere are the operations an extensive. Realising the need for men of psculiar training for this work, the programive operations, through that powerful lumber, grants union, the Pacific Logging Congress, turned to the forestry schools for aid to traking larging to course of the The logging engineering course of the school of forestry at Corvallis was pro-posed by a committee of practical log-gers co-operating with the forest school professors.

gers co-operating with the forest achool professors.

Eince transportation is a vital problem in legaing, the prospective logger receives instruction in the construction of legaing callcoads and in the building of the possible tryes of bridges used on logging reads. They sindy the principles or steam engines, and the red is color and has the delightful tart tasts of the wild mountain blackberry, the principles or steam engines, and the only calls for limited cultivation, it is a cross between the red rasponds and in sandding and parding logs. They study ground longing and expline bright and if it is a cross between the red rasponent used and the mechanical principles involved. They study labor problems to the part of Judge Frank Lo-

Compare again of a control of a One phase of activity of the Ferest School of the work done. Each Spring the suiter entiti, instructors and attacked in the word. Last Spring the suiter entiti, instructors and attacked in migrate to the woods. Last Spring they went into the Santiam National Forest and camped on Breits subwell River, a tributary of the Eantiam National Forest and camped on Breits subwell River, a tributary of the Eantiam National Forest and camped on Breits subwell River, a tributary of the Eantiam National Forest and camped on Breits subwell River, a tributary of the Eantiam National Forest and camped on Breits subwell River, a tributary of the Eantiam National Forest in Service mea. In this beautiful forest laboratory, in mountain in the forest debries by the freshmen under the supervision of the Forest Service mea. In this camped for two weeks, eating at a summon meas, working like Training and sleeping on the bosom of mother seath.

For the field work the men were divided into parties of five men sach. The crew bons did the map work, taking elavations by means of an aperied baromenter. In addition to the boss, there was the compaismen, who, besides carrying the rear end of the curveyor's chain, the train for the winds through the tops of chain, tailled the diameters of the trees as they were called out by the two other members.

Why Logan Is King of Berries Is Explained by Its Delicacy

Foreign Markets Now Are Being Sought for Fruit That Is Cross Between Red Raspberry, Oregon Wild Blackberry and Dewberry.

of the herry family, because it thrives only in the most mild and equable elimate and in the most fertile sell. Hence it is the choicest of all, and be-

THE Oregon loganherry, a fruit ago. It had little or no commercial virtually new to the world and value, because of excessive heat, until known in this state only in the, it years later, when it was introduced past few years, may well be called the into the Willamette Valley by Mr. Lavalue, because of excessive heat, until it years later, when it was introduced into the Willamette Valley by Mr. Lagolistic with many creameries and district, with many creameries and district, with many creamery to cheese factories. The Farmery Co-cheese factories. The Farmery Co-cheese factories. The Farmery Co-cheese factories are factories and set against at To-cheese factories. The Farmery Co-cheese factories are factories and set against the creamery has plants at To-cheese factories. The Farmery Co-cheese factories are factories are factories. The Farmery Co-cheese factories are factories and set against the same and creaming the soil with the county. The respective of his markets and not amount over a factories and set large county.

Insuferial commercial importance At the products and ret large county. The respective of the county are factories and set large county. The respective factories are higher than usual. It has been a further and the later county and the factories are higher than usual. The prospect of the county are factories and set large Crops and High Prices Briang From the dies of county. The respective farmer higher than usual. The prospect of the county are factories and set large Crops and High Prices Briang From the dies of county. The respective farmer higher than usual. The prospect of the county are factories and set large Crops and High Prices Briang from the latery of the county. The respective of the county from the dies of the county from the dies of the county for the latery of the county. The respective of the county from the latery of the county from the latery of the county from the later of the county from the later is a farmer to do do not county. The respective of the county from the later of the county from the county from the county from the cou

of 200,000 gallons annually, are now entering the Eastern and foreign mar-

Loganberry juice is superior to all kindred drinks, and has met with such splendid favor wherever distributed that it soon will have a Nation-wide market, and well may the people of Oregon hall this new industry, because it will attract hundreds of soil work-

It will attract hundreds of soil workers.

The cost of planting, including plants, posis and wire, is about \$10 an acre, independent of labor. There are about \$50 plants to the acre. A half crop can be expected the second year. The average yield of matured plants is three to four tons per acre, and on certain lands of silt or sedimentary deposit is often twice that amount. About 2500 acres are now planted in the state. The average price paid to the grower is three cents a pound. This will allow a handsome profit for labor and capital invested. It must be understood that it is not hoped that the market will ever be large enough to justify the planting of the entire valley and foothills, but it is known that the establishment of a market for this product will extend the canning industry until other natural products of our soil will find a fixed and definite market.

Great wealth will come to Oregon in the development of her latent resources, but nothing means so much to the state as the advancement of the herry-growing and canning industries. Loganberry juice is now Oregon's favorite drink, it will not be many years, with proper enterprise, until it is the pepular drink of the Nation.

with proper enterprise, until opular drink of the Nation.

BANNER CROPS MAKE YAMHILL PROSPEROUS

Dairying Industry Shows Marked Gain—Small Tracts Converted Into Diversified Farms.

By G. S. Sardam, Secretary McMinnville Commercial Club. THE year 1915 was one of unequaled I prosperity in Yambiil County. In addition to a bountiful harvest of addition to a bountiful harvest of various grains, our dairying industry has shown a marked improvement, while our orchard industry has forged steadily shead. Our clover seed crop has exceeded expectations. But by far the hest and most valuable assets we can boast of is a crop of farmers who know how to produce results. Without the farmer this wonderful Willamette Valley would be a wilderness; therefore, it follows that the more farmers we have the greater the harvest. fore, it follows that the more farmers we have the greater the harvest.
Our never-failing rainfall, coupled with a soil as fertile as the Vailey of the Nile, will swell the bank account of any homeseeker who will sir the ground and sprinkle a few seeds. New-comers of the substantial type are more than welcome. We have room to spare. Great opportunities are in store for those who follow diversified farming, for the time is here when the income on a 40-aure tract easily equals the returns on the 150-acre farm of a few years ago. Every year sees more and more of our larger tracts cut up to accommodate the influx of practical farmers.

ers.

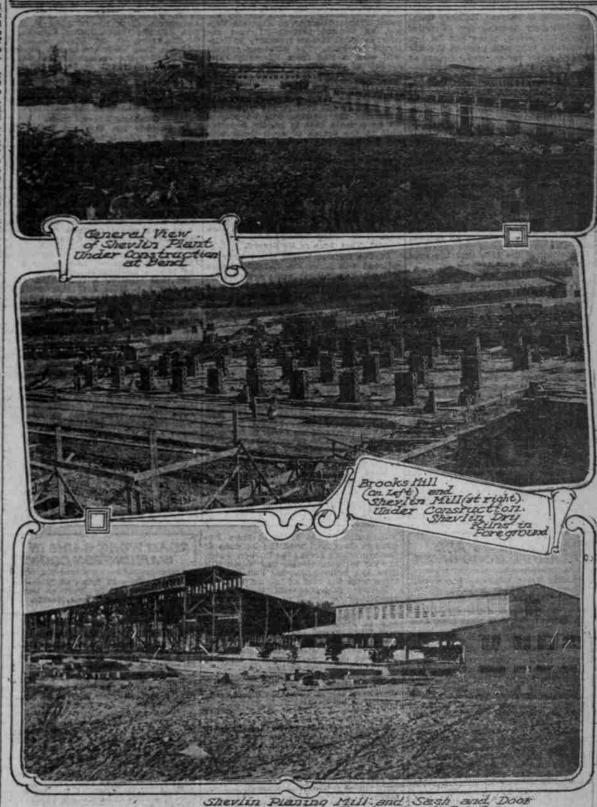
In addition to our regular crops of wheat, oats, rye, clover, corn, etc., we have immense orchards of walnuts, cherries, apples, pears, peaches and various berries now in bearing. The Mo-Minnville Commercial Club takes pleasure in answering inquiries concerning our county.

COUNTY ROAD WORK

opening of the Yaquina channel to Tolede through the co-operation of the
Fort of Toledo and the Government. The
port expended \$50,000 and the Government \$25,500, thus accurring a safe channel for the larse sea-going vessels. Its
indusence is fall on the lumber trade.
We have nearly \$0,000,000 feet of fine
timber tributary to Yaquina Bay, which
is nearly all owned by private persons
and is fully matured. We have a sawmill of a daily capacity of \$0,000 feet,
new remning on full time. A longing
railroad extends to this fine timber.
The Estabrook steamers Fifield, Bandon and Speedwell are on the regular
run between Toledo and California, carrying \$00,000 feet each trip, with the
demand for lumber getting better, thus
giving employment to many men is mill
and camp. opening of the Yaquina channel to To

Spread of Lumber Industry in Oregon Is Gradually Being Brought to Its Height

Interior Holdings Are Being Tapped for Development by Construction of Railroads - Work Begun in Central Part of State Under Direction of Tom Shevlin.



Shevin Planing Mill and Sash Factory at 2

county, this is the least in progress;
made by Gilliam during 1915.
The greatest gain for the county is
the number of new people who are
settling here. Some are taking homesteads, others are buying small places
and all come here with the idea of
making a home. This has always been
the great need of Gilliam County, more
people and more home builders, and
in addition to this there is a tendency
among all the farmers to do better
farming. More attention is being
given to handling the soil with the
result that better crops are being
grown.

PROGRESS IS MADE
IN MALHEUR COUNTY

Livestock industry in Beattby Condition — Corn Yield Large — Potash Eds to Be Developed.

By John Righy. Vale Commercial Club.

MALHEUR COUNTY has suffered Miless than many other sections of the West from depressed times. The wool and sheep industry has never been more satisfactory and prospects are excellent for a good season. Cattle have been high and the range first the county. The Warm Springs and infigult projects are excellent for a good season. Cattle have been high and the range first class resulting in large and increased shipments and bringing cash into the county.

The final step before the actual Both the Brooks and the Solution to Many the chomets and county farmers are preparing to dry farm the higher plateaus and there will be a large increase in grain production.

It has been proved that potasain production.

It has been proved that potasain production.

It has been proved that potasain and the good price received by the farmers for their wheat, there are other reasons of the prosperity which is being enjoyed here. The farmers are in better financial condition today than they have been for years and alterity in opening up these prospects.

Drainage and irrigation projects are being outlined. The Nyssa-Arcadia activity in opening up these prospects are being outlined. The Nyssa-Arcadia the number of new people who are taking home-taked the producing possibilities of the number of new people who are sections of the producing possibilities of the number of new people who are the producing possibilities of the number of new people who are the number of new people and the good price received by the farmers for their owners for their whole is