

# CRUSADE AGAINST PINE BEETLE IS ON IN STATE FORESTS

### Deputy Forester Siecke Tells How This Curse of Wallowa, Baker and Union Counties Works and How It's Fought.

(Salem Bureau of The Journal.)  
Salem, Or., May 20.—Oregon's splendid forests of yellow pine, Douglas fir, spruce and other trees have no more deadly enemy at present than the pine beetle. Preparatory to making a vigorous campaign against these timber pests the state forester's office, through Deputy Forester E. O. Siecke, has made an extended study of the insect especially in the timber belts of eastern Oregon. Mr. Siecke, who is an expert along these lines, gives the following account of the pine beetle, its ravages and the steps being taken to check its destructive work.

It is well known that trees, in common with other forms of plant life, are preyed upon by numerous insects. It is only by extreme good fortune that a tree escapes these pernicious hosts and eventually reaches maturity. Insects are present in all forests, and it is only when they appear in vast numbers that their presence and the damage they inflict is noticed by any but expert entomologists. Some idea of the damage to the forest resources from insects may be gained from the statement that in the United States they kill annually an amount of timber the estimated value of which is fully \$62,500,000. This amount exceeds by some \$12,000,000 our annual loss from forest fires since 1870.

#### Oregon an Especial Sufferer.

The forests of Oregon have not been immune from insect depredation. On the contrary, the direct money loss to Oregon from the injurious work of the insects has been greater than in most other states. More or less injury has been done to the Douglas fir, spruce, larch and sugar pine throughout their range within the state. However, far the greatest damage has been inflicted upon lodgepole pine and western yellow pine in the northeastern portion of the state. The infested timbered areas are located principally in Wallowa, Baker and Union counties. In this locality it is estimated that more than nine tenths of an excellent stand of lodgepole pine, on an area of 125,000 acres, has been killed in the last five years by pine beetles. From the lodgepole pine stands the beetles have gradually spread to the yellow pine forests, so that for several years past thousands of acres of splendid timber of this species have been devastated annually.

#### The Two Worst Insect Pests.

The two principal insect offenders in this region are the western pine beetle (*Dendroctonus brevicornis*) and the mountain pine beetle (*Dendroctonus monticolis*). In order to work out effective methods of insect control, the entomologists make a careful study of the habits of the injurious beetle, until they know definitely its whole life history. How extensive their knowledge is concerning these insects is brought out in the information that has been collected relative to the life history of the western pine beetle, which is practically identical with that of the mountain pine beetle.

#### Eggs Laid in Summer Months.

The adult beetles lay their eggs during July, August and September, in winding egg galleries excavated through the inner layers of the living and dying bark. They begin to hatch in from five to ten days, and commence transforming into pupae in August, continuing to transform until cold weather prevails. Later in the middle of August the pupae begin to transform to adults, emerging from the trees in October, ready to attack other trees and commence a new attack. Some of the insects, of course, overwinter in the parent trees as larvae or young beetles.

#### The Scheme for Destruction.

The scheme devised for the control of these destructive insects consists of destroying infested trees during those seasons of the year when it is certain that all the different stages, larvae, pupae and adult, are in the bark. In this way it is proposed to reduce the insects, numerically, to such an extent that they will confine their activities to dying timber, for if the number is once reduced it is probable that the many natural enemies of the pine beetles will be able to keep them in check.

#### Timber Owners Put Up Fund.

An organization of private owners of timber and timber lands in Baker and Grant counties has from \$3000 to \$5000 subscribed or available for cooperative insect control work and expects to secure as much more. Many independent owners have expressed a willingness to do their respective shares of work required on their lands and to cooperate in the required disposal of infestation on adjacent lands. The bureau of entomology will have three or part of the time four of its agents and experts in the field to assist, through advice and instructions, in carrying out the essential details in the

## 293 Boys Plant Gardens in Prize Contest



Top—Edwin Lewis of Sunnyside school, in his garden at 1110 East Morrison street. Below, Carlton Johnson of Glencoe school, in garden at 252 East Fifty-second street.

Two hundred ninety-three boys have planted out gardens in the contest being conducted by the Portland Young Men's Christian Association, and all of these boys are spending their spare time endeavoring to raise prize vegetables for the exhibition that is to be made in the Y. M. C. A. auditorium on June 23 and 24. All of the boys are cultivating gardens of the same size and are producing the same vegetables. Judging of the contest, for which many valuable prizes have been offered, is in the hands of Professor A. G. Bouquet, of Oregon Agricultural College. Professor Bouquet will begin this work next Friday and Saturday, and during these two days expects to cover half of the gardens, completing his work the following week. The boys will be graded on their showing in this inspection,

#### NETS CATCH MINES AT RIVER'S MOUTH

### Uncle Sam Said to Have Right of Way by 1864 Agreement.

(Salem Bureau of The Journal.)  
Salem, Or., May 20.—Either Uncle Sam will have to cover up his new mines at the mouth of the Columbia, or Oregon and Washington fishermen in that part of the river will have to forsake some of their most choice fishing grounds. State Master Fish Warden Clanton received word by telephone from the secretary of the fishermen's union at Astoria, that the nets were catching on the new mines and that many valuable nets were being lost. Master Fish Warden Clanton will take the matter up with Governor West Monday and see what can be done. It is said, however, that by an agreement in 1864, the land off Sand Island, Point Adams and Fort Stevens was given to the government and that the state can do nothing but advise the fishermen not to allow their nets to float down so close to the ebb of the tide.

#### LANDOWNERS PLAN IRRIGATION PROJECT

(Special Dispatch to The Journal.)  
Pendleton, Or., May 20.—Land owners on Camas creek have organized an irrigation company to develop 20,000 acres of land in the vicinity of Echo. It is planned to carry the water from Camas creek to Butter creek and thence out on the tableland. This project has been planned for some time past but difficulty was encountered in getting the owners of the lands in question to sign up for the water.

#### Fire Hazard Is Increased.

Realizing that insect killed timber not only reduces the forest resources of the state, but also greatly increases the fire hazard, the state board of forestry is taking an active interest in this work. State Forester Elliott recently visited the government insect stations in Wallowa and Whitman counties, and will assist the control in every way possible. The work is being conducted from six control stations and will be pushed vigorously in order that as many as possible of the infested trees may be destroyed before the beetles begin to emerge.

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22k Gold and Porcelain Crown for.....\$3.50 Up	Silver Fillings, each.....50c Up
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## FINED \$500, LUCKY TO ESCAPE A CELL

### Roseburg Beer-Sellers Spared Only Because Jail is So Unsanitary.

(Special Dispatch to The Journal.)  
Roseburg, Or., May 20.—L. L. Lewis and R. B. Mathews, the first two of nine indicted Roseburg near-beer resort keepers to be found guilty of violating the local option law, by selling beer, were each sentenced this evening to pay a fine of \$500, the maximum fixed by law. Judge Coke, who imposed the sentences, remarked that a jail sentence would have been added had not the grand jury so emphatically declared the jail unfit to place a prisoner in. Seven are still under indictment. As it is likely no jail sentences will be imposed, they may plead guilty in preference to standing trial on the identical evidence that convicted Lewis and Mathews.

#### SANTIAM SHOULD AGAIN ABOUND WITH SALMON

(Salem Bureau of The Journal.)  
Salem, Or., May 20.—Master Fish Warden Clanton says that salmon are now successfully scaling the new fish ladders at Oregon City and that Mill creek and the Santiam river should abound with fish again. The salmon coming up at present time are numerous.

#### Express Company Sues City.

(United Press Leased Wire.)  
Trenton, N. J., May 20.—The United States Express company is suing the city for \$250,000, alleging that it did not do its duty in protecting the company in the recent express drivers' strike.

The "back to the soil" movement is gaining impetus monthly. Today's classified section contains many opportunities for your success.

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You read and look afar with equal facility, but no one observes that you are wearing bifocals, because the usual "lines" are absent. Wear the genuine KRYPTOKS awhile and you will never willingly return to old-style bifocal glasses.

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### Still Another Feature in the Main Salesroom

In connection with this closing-out sale of the stock of the East Side Store we offer also an extraordinary special for this week only in the main salesroom. Elegant mahogany, walnut and several oak cases, high grade, brand new \$380 pianos for \$195; \$9 cash, \$6 a month. These are warranted high grade pianos. We are selling one carload only at this exceptional introductory offer.

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