

HOMES



WHITE PINE RUST ENTERING OREGON

Cultivated Black Currant Held Host Plant for Destructive Disease

White pine blister rust, a destructive disease to the white pine, is on the verge of entering Oregon. The disease is being combated by government authorities by eradicating the cultivated black currant which is a host plant for the disease. It is caused by a fungus which can attack the pine only after it has grown on the wild or cultivated currant or gooseberry.

The cultivated black currant is exceedingly susceptible to disease—much more so than the red and white currants or gooseberries as they are not likely to take the disease until the country becomes infested with it. This stresses the importance of eradicating the black currant before the disease gets a foothold in Oregon.

The value of Oregon's white pine timber is approximately \$27,000,000. Thousands of men are employed in the lumber industry and in the forests. National forests, the beauty spots of Oregon,

are filled with white pines. All of these are endangered by the white pine blister rust.

The cultivated black currant is of little value commercially. The people of the state by cooperating with the government in eradicating the black currant can check the disease.

"Oregon passed a law prohibiting the growth or propagation of the black currant in Oregon," said L. N. Gooding, of the O. A. C. botany department. The legislature in passing this law has made a great step toward saving the valuable white and sugar pine timber of the state.

The disease is recognized by the rust that forms on the under surface of the currant leaf which resembles very much the rust on iron. Later small hairs are formed on the rust which stand upright. On white pines the rust makes its appearance as a swelling or blister on the branches of the main stems. These swellings are conspicuous, and when they crack open orange colored spore bodies protrude. From these bodies millions of spores are released which infect the currants and gooseberries.

All pines which have five needles in a bunch, as the white and sugar pines, are susceptible to the disease.

"Only by the cooperation of the people with the government officials in the eradication of the cultivated black currant can this terrible menace to our white and sugar pine forests be checked," said Mr. Gooding.

arms about her neck and little lips on hers, but this boon was denied her. But she had found a way for she knew that while her arms were empty there were little ones who lacked the loving care she longed to bestow. So it came about that John and Mary had come into her heart and home to be her own.

What a blessing they had been. As she looked back tonight over the past, she realized in a new way just how they had filled her life and how much she would have missed if she had not opened her heart to these children.

"I pit; folks who have no children of their own," she said, "but there needn't be any childless homes while there are so many babies that need loving. Folks are cheating themselves and these little ones when they fail to open their hearts and homes to them. If I had it to do over again, I'd take a whole household—that's the only difference I'd make."

What would the world be worth without the mother-heart that loves not only her own, but all children. And the true mother-heart can never be content while there are little ones hungering for the love and care that is her's to give.

Camp Ground Sanitation

On account of the rapid increase in the number of automobiles and the constant improvement in methods of transportation, the problems of camp ground sanitation are becoming increasingly more important. This is especially true in regard to the Pacific coast states, owing to the many attractions offered by this section to tourists and summer campers. No vacation is considered complete these days that does not include a visit to the Pacific coast. In order to meet this situation, without endangering the public health, it is necessary to pay more attention to the sanitation of our camping grounds.

What is meant by the sanitation of camp grounds? Obviously, the problems of camp ground sanitation are not materially different from those of the sanitation of homes and small communities. In general they include the questions of site or location, water supplies, insect pests, the disposition of garbage and of human waste, and the proper policing of the grounds. In addition to this, there are certain sanitary appliances and equipment, which must be provided for every camp ground before it can be approved by the State Board of Health.

In choosing a camp ground site, a great deal of attention is generally paid to the wonderful scenery, the picturesque surroundings, the proximity of fishing, hunting and bathing resorts, but little attention is generally paid to the safety of the water supply and the proper disposal of garbage and waste.

The rules and regulations of the Oregon State Board of Health make the management responsible for the sanitary conditions of camping grounds, and also for the equipment and sanitary appliances on the same. A caretaker must be employed to visit the grounds daily and see that they are kept clean and sanitary, and free from litter. An adequate and safe water supply must be provided for the campers. If a water supply is unsafe or doubtful, it must be eliminated or placed, warning against its use. Water flush toilets or sanitary privies, both for men and women, must be provided within a reasonable distance. Fly-tight vessels must be provided for garbage and waste and these must be emptied daily. Copies of the rules and regulations are required to be printed and posted on the grounds in conspicuous places. Copies of these rules and regulations may be obtained from the State Board of Health.

An Accepted Theory Is Now Upset

UNIVERSITY OF OREGON. Eugene, July 26.—Killing a myth that has won its way to respectability in standard botany books and that has been defended by legislative enactment in this and in at least a half dozen foreign countries may be some job, according to Professor Albert R. Sweetser,

professor of botany, who is an instructor in the Portland summer session, but it is time that the bed-time story about black rust and the barberry bush was laid to rest.

Tracing the life cycle of rust through its various forms, which vary in appearance from red at first to black, and then into a colorless form, early scientists, according to Professor Sweetser, found that this terrible field pest wintered on the barberry bush. From this they jumped to the conclusion that if the barberry bush were destroyed there would be no more rust.

Scientists everywhere, missing the colorless spores of this fungus that rested everywhere as well as on the barberry bush during the winter, untried in an attack on the shrub.

"The news of the criminal barberry bush was broadcast over the world," said Professor Sweetser, "and agricultural experts were sure they had found an easy way of ending the farmer's rust troubles. There is a penalty of \$250 for allowing a barberry bush to grow on a vacant lot in Oregon, so thoroughly has the world been fooled."

"Now we have found," continued Professor Sweetser, "that living creatures do not always follow their life cycle, that they sometimes skip a stage or two, and that rust here in Oregon not only skips the colorless stage and the supposed rust on the barberry bush, but usually skips the black stage as well and is known only as red rust. The barberry bush has no more to do with rust in Oregon than has any other plant. It has less, for in great areas there are no barberry bushes at all, and still there is rust."

INCREASED SHIPMENTS

PORTLAND, OR., July 26.—The cereal year just closed shows that the shipments of wheat and flour from the Pacific northwest were larger than ever before. Total shipments amount to 70,643,632 bushels compared with 67,608,848 bushels during the big crop year of 1921-22.

Wheat shipments were not as large as for 1921-22 season but flour shipments were very much heavier.

During the 1923-24 season, wheat shipments from the Columbia river amounted to 27,497,897 bushels and flour shipments show 3,672,927 barrels which expressed in terms of wheat amounts to 16,528,172 bushels, or a total of 44,026,069 in all from the Columbia river.

Flour shipments have increased during the past two years from 2,070,204 barrels to 3,672,927 barrels, or an increase of 1,602,723 barrels. This shows a very heavy increase in the milling industry in Portland and territories adjacent thereto.

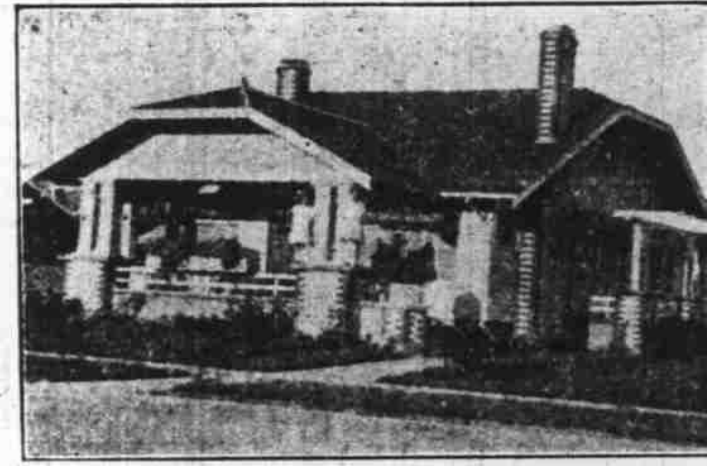
For the past season Portland will probably be the leading export port of the United States for American wheat. For several seasons past it has been in second place, and for this year will go forward to its proper position.

It is interesting to note the destination of the wheat during this season compared with that of the season two years previous. During the 1921-22 season 25,399,478 bushels of wheat and 509,320 barrels of flour were sent to Europe. During this season just ended European shipments were only 13,455,438 bushels of wheat and 108,926 barrels of flour. On the other hand shipments to the Orient for 1923-24 amounted to 12,185,824 bushels compared with 7,784,462 bushels during the 1921-22 season, and flour shipments increased from 1,099,143 barrels to 2,674,139 barrels for the past season.

Shipments to California also show a large increase both in wheat and in flour, and shipments to the Atlantic ports were marked with an increase of nearly 100 per cent over the record of two years previous.

No shipments of wheat were made to Central and South American parts at all during the past season; but flour shipments are made to these countries regularly.

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REALTOR PREDICTS BRIGHTER FUTURE

Rich L. Reimann, local realtor, is very optimistic over the future prospects in real estate in Salem. Movements in various properties are brisker at present than at any time during the last three months. As a result of his observations he predicts real estate will be active in the near future.

Recent sales announced by Mr. Reimann are a lot on North Capitol to Guy L. Rathbun, coach at Willamette university, who has already let contracts for a new residence; a lot on D street to Miss T. Taylor, who will erect a store building, and a lot on Center to A. S. Campbell, who contemplates the erection of a modern five-room bungalow.

NEW PICKLE PLANT NEARLY COMPLETED

The new pickle plant on Young street, a model and well-equipped building, will receive the product of about 170 acres this season and next year it is expected this acreage will double, for the prices offered will appeal to many more and it will be perceived that there is money in raising cucumbers.

The building is practically completed including 20 tanks, but the season will not open until the forepart of August although there

are early deliveries and these are being cured for. The force of women will not be put on until the season opens next month. The Oregon Packing company is paying as follows: No. 1, 2 1/2 inches, \$70 per ton; No. 2, three inches, \$35; No. 3, three to five inches, \$10. The tanks are 9x10 feet, each with a 600-ton capacity. —Woodburn Independent.

TRAINS START NEXT SUNDAY

As announced last week, passenger train service will be resumed on the Salem, Dallas, Falls City and Black Rock line again next Sunday, July 27th. One train crew will be maintained, with headquarters here. The first train will leave Dallas at 7 a. m., making connection with the electric train at Gerlinger for Portland, and then going on to Salem. Returning, it will arrive Dallas at 10:35 a. m., and continuing on to Falls City and Black Rock. Other trains will leave Dallas east bound at 2:20 and 5:30 p. m., connecting at Gerlinger for Portland; arriving at 4 p. m. and 7:20 p. m., bringing connections from Portland. Trains from Dallas at 3:25 p. m. connect for Independence, Corvallis and Valselt. Arriving at 2:35 p. m. brings connections from Corvallis.

Train service is being resumed by the S. P. upon the earnest solicitation of the business men of Dallas, who have pledged the railroad company their undivided support in the matter of freight shipments. —Polk County Itemizer.

Association For Western College Oarsmen Planned

MADISON, Wis., July 19.—Rowing bids fair to become one of the major sports of western schools, in the opinion of T. E. Jones, athletic director at the University of Wisconsin, and other Wisconsin officials. The first step in placing the sport on a par with other athletic activities is consideration of plans for the formation of a Western Rowing Association.

Preliminary plans for its formation were discussed here by Director Jones and Darwin Meistner of Washington University. It is proposed to establish an annual regatta which in time may rank

with the intercollegiate classic at Poughkeepsie. The regatta would be held alternately at various seats of the member schools.

A dozen universities, probably will be included in the list invited to join the association but the following are outstanding possibilities: Washington, winner of the Poughkeepsie regatta during the last two years; Wisconsin, California, Leland Stanford, Chicago, Michigan, and Minnesota.

Another proposal is the establishment of a separate building at Poughkeepsie, should the member schools decide to continue to compete in the eastern race. The Western association members also would cooperate in planning competition with eastern schools.

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Bits of Real Life

By Esther L. Williams THE MOTHER HEART

It was evening. The children had been home that day—Mary and the babies and John and his two bouncing boys. The old home, so quiet on ordinary days, had been ringing with laughter of children and Mother had been the happiest of them all.

But now they were gone and the house was still again and Mother was left alone with her thoughts.

"It just doesn't seem possible," she mused to herself, "that John and Mary have grown up and married and now have children of their own, and that I am a grandmother—I who had lost hope of such happiness."

Then memory took her back to the days when her mother-heart ached for the pressure of little

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A Tip From the Birds

Birds are not as foolish as man. When spring comes, birds build their nests. Each pair of mates builds its own nest. They don't rent a nest that some other bird built.

MEN

Take a tip from the birds. Stop renting and build a home of your own. It is foolish to pay for your home and not own a single board of it.

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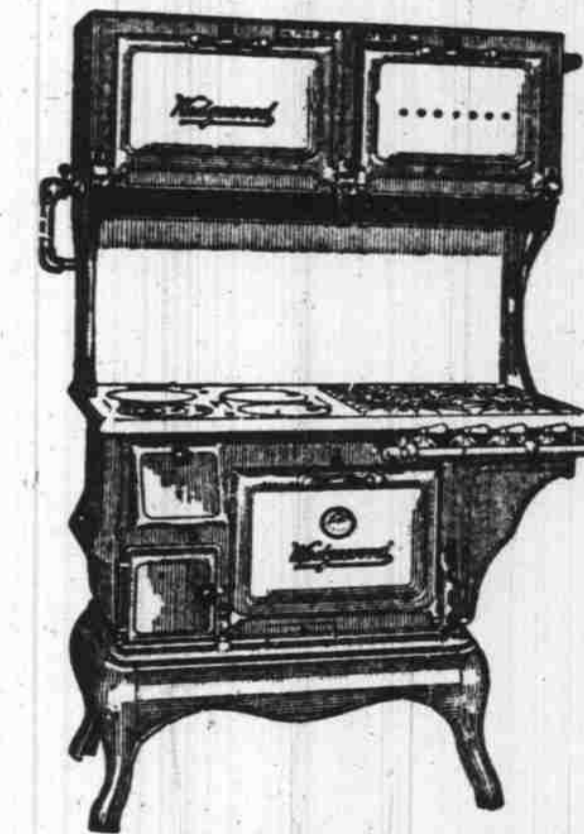
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