

WORK ON VEGETABLE OIL PLANT ASSURED

Plans for Large Factory Go Forward Rapidly.

OPTION ON SITE CLOSED

Daily Capacity Will Be 100 Tons and Industry Will Have Rail and Water Facilities.

Plans for the erection of the proposed 100 ton factory of the recently incorporated Portland Vegetable Oil Mills company are going forward rapidly now and it is expected that the concern will get started on the actual construction work in the near future.

H. H. Ward, member of the board of directors, announced that bids for the necessary machinery and option on a site for the location of the plant had been procured. In addition arrangements have been made with the Port of Portland for the dredging which will be necessary in order that ships may be able to come up to the proposed plant for the handling of cargoes.

The announced intention is the erection of a plant for the purpose of manufacturing and refining coconut and other vegetable oils. The plant, it is declared, is to have rail and deep-water frontage and is to be fitted up for a capacity of 100 tons daily.

The erection of the plant, Mr. Ward announced, will mean the importation annually of \$1,000,000 worth of raw material, and the handling of double that amount in value of the finished product.

The new concern, which was approved on August 4 by the corporation department of the state, originally was organized by about 28 residents of Portland, including substantial bankers and business men, who subscribed in excess of \$500,000 of the \$1,000,000 capital stock authorized.

Officers of the company are: C. A. Painon, president; B. C. Ball, vice-president; Prescott Cookingham, secretary and C. A. Edwards, treasurer. The board of directors includes: C. A. Painon, B. C. Ball, S. L. Eddy, C. A. Edwards, N. S. Hirschen, H. H. Ward and F. W. Watson.

The plant to be erected will prove of especial importance to Portland shipping in that it will furnish return cargoes for ships carrying lumber from the Columbia river to Australia, New Zealand and other trans-Pacific ports.

Most of the copra available for the manufacture of coconut oil is shipped from Pacific and Indian ocean ports making it particularly available as return cargoes. This it is declared will put an end to the necessity for numbers of ships returning from the antipodes in ballast.

In 1919, Charles A. Painon, president of the new concern, organized the Coconut Products company, of Portland. This concern was later reorganized as the Kaola company in 1913 and in July 1918 this concern was absorbed by the Palmolive company, of Milwaukee, Wis.

The Palmolive company announced intention of building elsewhere in order to consolidate its entire Pacific coast interests. This new mill will return to the return of the industry to this city.

The most serious forest insect problem in the state of Oregon is the control of the several species of bark beetles that infest trees in large areas of yellow pine in the southern part of the state, according to the Oregon Forest Experiment Station. Losses from the depredations of these beetles amounted to about \$200,000 last year in the counties of Clatsop, Clatskanie and Jackson, it is estimated.

The experiment station is making a thorough investigation of the beetle and its ravages and it is expected that a better knowledge of handling the situation will be gained. Some promising experiments of killing the beetles by applications of electricity to the infested areas of the trees have been conducted in the Klamath district. It has been found that the insects could be electrocuted by high frequency electric applied through wet blotting pads. No satisfactory plan of conveying and applying current of sufficient strength to trees on a commercial scale has yet been announced but investigations are still going on.

Some methods of control are suggested as follows: Destroying the brood without removing the bark by converting the logs to lumber and burning the slabs; by placing logs in water; by piling logs and scorching bark sufficiently to kill broods; by sawing upper side of infested trees to allow water to get under the bark.

A twenty-five-ton Scott mercury furnace is now being erected at the location of a rich body of cinnabar ore recently discovered in the War Eagle quicksilver mine in the Gold Hill district, according to advices received here. The plant is expected to begin operations within a month. The ore, it is estimated, will produce over \$500,000 worth of quicksilver. The plant is owned by Bedford, Oregon.

CONSTITUTION IS DRAWN

FARM BUREAU OFFICIALS TO PASS ON DOCUMENT.

Federation Plans Will Be Considered at Meeting in Portland

The constitution for the projected Oregon Farm Bureau Federation has been worked out and will be submitted for consideration at a convention of county farm bureau officials to be called by Paul V. Maris, director of the agricultural college extension service, to meet in Portland not later than November 15.

This is the second step recently taken by representatives of the county farm bureaus to unite the county organizations in a state-wide association. It is a result of the work of the committees authorized by delegates from the various counties which met at La Grande and Corvallis.

WHEAT SEED NEEDS CURING FOR SMUT

Treatment Will Save Big Loss After Planting.

METHODS ARE EXPLAINED

Directions and Formulas Offered by Oregon Agricultural College for Guidance of Growers.

CASCARA BRINGS \$50,000

Bark Peelers Make Huge Sum in Grays Harbor District.

ABERDEEN, Wash., Oct. 10.—(Special)—Cascara bark peelers in Grays Harbor county received over \$50,000 for their product this year, according to figures given out by local clearing houses. The crop is estimated at over 500,000 pounds. Peelers received 10 cents a pound.

The bark season ended about September 1, but some bark is still being brought in. This year's crop is said to be slightly less than that of last year, due to a drop in prices.

Dry Law Violators 100.

SACRAMENTO, Cal., Oct. 10.—The federal courtroom was packed with defendants here yesterday when about 100 persons appeared for arraignment on charges of violating the national prohibition act. Twenty pleaded guilty. Trial of the others was set for the November term of court.

Thousands of tests at the Oregon experiment station have shown that the following methods are the most effective in smut control and least damaging to grain, as yet worked out anywhere. Unless the standard methods are carried out with great care and accuracy, growers run the risk of imperfect smut disinfection and excessive seed injury.

"Before treating clean the seed thoroughly to remove broken and shriveled grain, smut balls, etc. Treated grain swells. The rate of seeding should be increased at least a fourth more than with untreated grain on this account."

Guesswork to Be Avoided.

"Avoid guesswork. Do not test strength of solution by color. Careful measurement is not difficult and it always pays."

"A great deal of avoidable injury to germination has been traced to holding treated grain for days or weeks before planting. Do not allow treated grain to freeze."

"After treatment the clean seed should not be brought into contact with sacks, floors or machinery that have not been disinfected to destroy smut spores."

"Bluestone (blue vitriol) is the best method for wheat where soil contamination is feared or where the soil and temperature conditions are not favorable for prompt germination."

"Bluestone when used alone is often very injurious to the vitality of wheat. Formula: Add 1 pound bluestone (copper sulfate) to five gallons water. (To this formula one pound of common salt is sometimes added on account of certain supposed advantages.)"

"Suspend chemicals in gunny sack-ling at top of the required amount of water in tank or barrel until dissolved completely and stir solution thoroughly before beginning treatment, to get solution uniform. Pour wheat slowly into solution, stir thoroughly and skim off all smut balls. Allow at least three to five minutes for the soaking then drain for about 15 minutes."

Strength Should Be Uniform.

"Then dip or pour into the lime bath. The lime solution should be renewed whenever it loses strength. Agitate the grain and allow the lime to act for at least three to five minutes."

"The lime bath is made by slaking the lime and adding water at the rate of 10 gallons for every pound of quicklime. The grain farmers will require especially-constructed wooden tanks

of considerable capacity. The small farmer may treat a sack at a time in barrels. Five gallon cans are convenient for measuring the water used. Neither the formaldehyde or bluestone solutions lose strength in use or on standing."

"The formaldehyde method should be used for oats and may be used for wheat and barley when soil and temperature conditions are favorable for prompt germination. Formula: 1 pint of formaldehyde (37-40% strength) to 40 gallons water (or 1 oz (2 table-spoons) to 10 quarts of water)."

"Wet all the grain thoroughly either by sprinkling at the rate of one gallon of solution per bushel or by pouring loose into the solution or by soaking partly-filled and loosely-tied gunny sacks for five minutes or so until thoroughly wet throughout or run through treating machine. Sacked grain should be drained and allowed to stand two hours. Then plant at once or spread out to dry and plant within a few hours."

The tombstone of "Jonathan, son of Robert and Esther Plume, deceased December 16, 1789" was unearthed by workmen excavating for a sewer connection in Branford place, Newark, N. J., recently. It is known that during the revolutionary days a cemetery was located in this village.

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FARM BUREAU COMMITTEE WHICH DREW UP THE CONSTITUTION FOR THE PROJECTED OREGON FARM BUREAU FEDERATION.



Top, right to left—A. R. Shumway, president Oregon State Farmers union; O. R. Daugherty, Clackamas county; G. A. Mansfield, Jackson county; Bottom—W. W. Harrah, Umatilla county; P. O. Powell, Polk county; A. R. Hunter, Union county; Paul V. Maris, college extension director.

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