



INDUSTRIAL REVIEW OF STATE

Portland — Pickles, ships' masts, macaroni—these just happen to top the list of products turned out by the 34 manufacturing concerns in the North Portland industrial district, 13 of which have come there since 1917. They employ over 3000 people and do a total business of \$125,000,000. Among the other commodities that are made on the peninsula are metal and wood pipe, sauerkraut, tinned meats, stoves, furniture, readycut houses, boxes and crates, wool, dry kilns, waxed paper, steel bridges, patent roofing, paints, all sorts of lumber, shingles, wood containers from candy pails to giant tanks, farm appliances, road building equipment and fertilizers.

Klamath Falls—Forty thousand acres of pine timber, estimated to contain 1,000,000,000 feet, are reported to have been sold by the Hopkins estate to the Weyerhaeuser company. The tract brought close to \$2,500,000. The deal places 99 per cent of the timber west of the Klamath river in control of three companies.

McMinnville—Another big fruit and vegetable cannery, the seventh owned by the A. Rupert company, has just been completed here at a cost of \$50,000. This gives the concern a capacity of 750,000 cases during the season, an output that means an expenditure of about \$2,500,000 for farm and orchard produce. During the past eight months \$150,000 has been spent in improvements and enlargements for the various Rupert plants.

La Grande—Timber is to be taken out of the Grande Ronde valley by the Deer Creek Lumber company, a Washington corporation, which recently purchased 12,000,000 feet of holdings near this city. The consideration was \$25,000.

Salem—Discovery of a hybrid prune, the "New Oregon," which experts declare will revolutionize prune growing in the entire northwest, has been announced by Andrew Vercler, a Polk county orchardist. Tests showed the fruit superior in texture, acidity, content, drying proclivities and carrying quality of the tree.

Eugene—The Lane County Lumber company has just been organized here and has purchased a mill on Fall creek and acquired a quantity of timber. Operation will begin in the immediate future.

Albany—Albany's new industry, the Cremona Phonograph company, will probably double the size of its plant next year and increase the city's income, through its payroll, \$300,000. The present daily capacity of the newly purchased factory is 70 phonographs, each of them requiring 60 days to complete. The company has patented improvements upon both motor and tone arm that will be installed in machines as soon as steel prices permit manufacture of these attachments.

Salem—In order that ores may be brought out from the mines on the Little North Fork of the Santiam near Gold creek, the Lotz-Larsen Mining company is putting in a road and bridge over which hauling may be done. This will permit bringing the ore out the year round and with this in mind, the company

is preparing to purchase more machinery.

North Bend—Ties manufactured here are being shipped to Portland by rail and loaded on large steamers bound for the Atlantic coast. The route will be through the Panama canal. It is said that the demand for these ties exceeds the supply or the tonnage to carry them.

Ione—Natural gas has been discovered on the Zink ranch near this place and is regarded as a possible forerunner of larger wells.

Cottage Grove—Another sawmill has been opened here to cut the Olson timber. It will have a daily capacity of 20,000 feet. The mill is at Comstock.

Bandon—Favorable conditions for marketing the cranberry crop are anticipated in this section, where the yield shows much promise. One grower expects to gather 1000 bushels of berries from his two and a half acre planting.

Reedsport—Big mills in this section are resuming operations after a shut-down. These include the Johnson mill and the Winchester Bay Lumber company.

Albany—Drilling operations of the Oregon Petroleum company, which were halted during the harvest season, have been resumed at Lacomb. When work was stopped the well was 600 feet deep and showed much promise. The drill had passed through 100 feet of asphalt.

Portland—Although the Bede Box and Lumber company, opened this year, has been turning out 10,000 fruit boxes daily for the growers of Yamha valley, need has been felt for increasing the capacity and the plant will quadruple its output in 1921.

Astoria—An abundance of potatoes is to be found in Clatsop county this season and 50,000 bushels, it is estimated, will be harvested this year.

CURRENT COMMENT

The fact that in the United States of America there are on an average five fires in schools every day indicates that a great many people need to be taught so forcefully that they will never forget it that certain kinds of carelessness actually are criminal. But, besides striving to lower the number of such fires, every community should be absolutely sure that its own schoolhouses are so designed and protected that no fire, if a fire does occur, can convert any one of them into a death trap.

For a long time a quiet attempt has been making to raise money for the purchase of Monticello the beautiful estate of Thomas Jefferson, as a national monument. It is now announced that the fund will probably be complete within two or three months, when the nation will come into possession of a memorial that will keep alive the memory of the author of the Declaration of Independence.

It was a happy thought to clear spaces in national forests for camping grounds, and to build fireplaces and garbage pits. How much they have been appreciated can be judged from the fact that the three hundred and fifty camping places so established in Washington and Oregon were used this year by almost 35,000 people, who have thus become better acquainted with the beauties of their region and have learned to respect the forest rights and to leave things as they find them.

It is a good suggestion that the highway between Boston and Provincetown be named the Pilgrim Highway, and that markers be placed along the road to point places of historic interest. What a relief it would be, and what benefit, to young people especially, if billboards on all of our country roads could be replaced by informing historical signboards—that should preserve the memory of incidents of local interest.—Youth's Companion.

WIRELESS WILL SAVE VESSELS, ALASKAN WATERS

San Francisco — Treacherous Alaskan waters, graveyard of scores of vessels and into whose maw many lives and much treasure have been poured due to navigation pitfalls, are about to be conquered by radio, according to advices received here telling progress of naval communication service investigation into plans for establishing radio-compass stations.

Floyd E. Dunklee, radio electrician of the service, is now in Juneau, Alaska, investigating sites for stations, having recently completed the work of installing radio-compass stations, protecting San Francisco bay.

Dangers to navigation are removed by the same means which guarded London from Zeppelin attacks, a secret during the war, and one of the most interesting developments in radio-telegraphy. When Zeppelins started their attacks upon London, the foremost of allied experts applied their efforts to provide some means of defense. The prime necessity for defense was de-

termination of the location of invading Zeppelins.

Discovery of a radio direction finder resulted from their efforts. Zeppelins used wireless in reporting departure from German bases, and frequently while enroute sent wireless messages back to the base. The allied discovery was a device to determine from which direction these wireless waves came.

Direction finders established at different points upon hearing a Zeppelin wireless would report to the headquarters the direction from each station of the Zeppelin. Charting these directions the headquarters accurately determined the location of the Zeppelin and it could be engaged in combat before getting across the British borders.

Success of the direction-finders resulted in retention of their use to aid shipping. Radio-compass stations established on the Atlantic seaboard proved highly efficient, and the establishment of stations around San Francisco bay followed. Other allied countries are also using the system.

This means of informing a vessel of its precise location is regarded as one of the most valued aids to navigation inaugurated in this century, according to naval communication experts.

Tentative plans contemplate establishment of six radio-compass stations in Alaska waters. It is expected location of the stations will be determined upon Electrician Dunklee's investigations this year and erection of stations be undertaken next spring.

OREGON IN BRIEF

State educational aid to 4352 ex-service men to date totals \$673,087.

Portland dedicates Catholic church of St. Agatha built of all Oregon material.

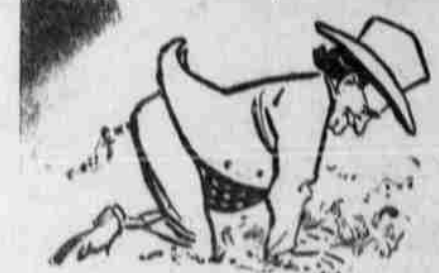
Corvallis—O. A. C. adding \$783,000 new equipment.

Astoria—\$30,000 steel bridge to be built across Walluski river.

Marshfield — Scandinavian-American bank getting new site for building.

St. Helens—Boats chartered to load 6,000,000 feet of lumber here.

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ALL DRUGGISTS SELL IT

Huntington—O. W. R. & N. laying five miles of new track.
Portland bank clearings gain \$9,000,000 in September.
Portland—15 to 20 steamers will take cargo here during October.
Eugene—University campus sees start of fourth building this year.
Jordan Valley—Construction on market highway begun.
Good grain crop reported at La ville.
Milton—Plans being made for construction of hotel.
Astoria—\$11,800 postoffice built here.

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