

OREGON'S STATE OF GREAT RESOURCES

Manufacturing Industries Are Fast Being Developed.

NATURAL WEALTH LARGE

Portland Is Center of Distribution for Large Section of Pacific Northwest.

Visitors who throng Portland by the thousands this week from many points throughout the United States will be desirous of learning what the state of Oregon is able to produce in the way of manufacturing articles, and to enable them to get a rapid glimpse of Oregon's great strength as a manufacturing state and of its still greater potentialities along this line the following resume has been prepared by A. G. Clark, manager of the Associated Industries of Oregon, an organization which includes within its membership a large percentage of the manufacturing firms of the state.

"It is no secret that Oregon has wonderful potential possibilities as a manufacturing state. It has already been proven. Its development and extension of factories in this community, with one-fifth of the standing timber in the United States and more varieties in commercial quantities than any state in the union, easily indicates the wonderful possibilities in wood-working lines.

Industries Are Many.

"Here in Portland we have the second largest case goods furniture factory in the United States. There is a total of 17 furniture factories in this city, with a capital invested approximating \$2,000,000. The volume of business last year was about \$4,250,000, and the number of employees aggregated about 1200.

"In addition to Portland being convenient to immense forest areas, it is also easily accessible, through ocean connections, to the great raw material hard wood forests of the world. The market in the furniture line extends over the states of Oregon, Washington, Idaho, California and Utah; also, Honolulu, Philippines and South America.

Cereals Are Milling.

"Another great industry in Portland is the milling of cereals. In flour alone the local milling capacity represents upwards of 10,000 barrels per day. Converted into bread, the daily capacity of Portland's flour mills would produce about 10,000,000 loaves per day, which is much more than the entire population of the Pacific states could use.

"As a grain exporting city Portland easily leads all other Pacific coast cities. Last year the Port of Portland exported something like 14,000 carloads of wheat, barley and flour.

"Another big industry of Oregon is that of wool and the manufacture of woens. The value of finished woolen products for last year approximated \$10,000,000. The annual payroll is upwards of \$2,500,000, and the number of employees engaged in mills reaches nearly 2000.

Lumber Industry Great.

"The woolen mills of Oregon are turning out yarns, sweaters, bathing suits, hats and caps, bedspreads, steamer and auto robes, bed blankets, Indian robes, woolen hats, bath robes, shirts and macinaws. The products of Oregon woolen mills are nationally and internationally known, and the lines being regularly advertised nationally.

"In lumber alone Portland is probably the largest producing center of the world. Last year the value of forest-producing output in the Columbia river district was nearly \$8,000,000, and while the state does not lead in lumber production, from the fact that the largest share of soft wood in the world is within Oregon's borders, it will naturally follow that Oregon will soon take the lead as a state in lumber production, and once obtained, will maintain it for all time.

Fruit Juices Made.

"Another industry that is fast becoming nationally and internationally known is the fruit juice and fruit production of Oregon. The home of the loganberry in this state, with over 95 per cent of the world's supply being grown here. The superior flavor of Oregon's fruits and berries is fast gaining recognition throughout the greater marketing centers, and the future in this line is unlimited.

"In addition to the larger industries, as enumerated above, Oregon is becoming a factor in the production of machinery, and the manufacture of specially woodworking and marine machinery.

"We are also becoming established as a clothing center. In paper and paper pulp manufacturing, Oregon is one of the leading states. Our salmon cannery industry has a world-wide reputation. Portland is the center of the livestock industry of the entire northwest, and in dairy production we have few equals and no superior in the western states."

Castor Oil.

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GOOD LIVING GAINED ON AGRE AND HALF

Poultry-Raising Found Profitable Occupation.

WHITE LEGHORNS FAVORED

500 Hens Average 143 Eggs Each During Year and Excellent Prices Realized.

BY HENRIETTA C. GREGG.

These days, when our arch-enemy, high cost of living, is mentioned in every conversation, a great many are turning their eyes country-ward, and would turn their feet—or automobiles in the same direction, were it not that they cannot get a satisfactory answer to the question, "Can I be sure of an income from a few acres?" This question is holding so many from joining the back-to-the-land movement that an actual example of what can be done, and how, would perhaps answer it in a satisfactory manner.

Just on the edge of Forest Grove, A. C. Smith has made his home, and kept poultry, always successfully, for the last six years. Here on his acre and half he spends his time caring for his 500 White Leghorn hens, his garden and flowers.

Good Luck Needed.

The first thing required on a poultry farm is a good laying house, and Mr. Smith has a fine one of the California type. The main building is 20x100 feet, with feed room 20x14 feet attached, which is divided into two sections. The house is built on a raised platform, and is divided into large quantities. A five-foot aisle runs the full length of the building, with five pens, 7x20 feet, on each side. These pens accommodate 50 hens each and are complete in themselves, having their own mash troughs, roots and nests.

The idea of a central aisle is to save time by having the greater part of the daily work done without entering the pens, so, following out this plan, the troughs for the wet and dry mash are filled, the eggs are gathered, the hens watered and the dropping boards cleaned from the house without opening and shutting any doors or spending any time to see that no hens get out while going from one pen to another. There is a faucet every 20 feet, and the troughs for four pens can be filled without taking one step, so there is no carrying of water.

The floors are of earth, for, as Mr. Smith told me, "It is natural for a hen to scratch, and the more she scratches, the better the results."

The mash troughs are built two feet up off the floor, making it necessary for the hens to jump up there several times a day. A hen which takes no exercise is never a good layer, consequently no time is wasted, everything is done to see that the hens are kept busy. To this end Mr. Smith has installed high-powered electric lights, which are turned on at 8 o'clock in the morning all during the winter, adding several hours to the hen's working day, and correspondingly increasing the profits.

The method of ventilation is really one of the main features of this type of house, and is very simple. It is accomplished by simply raising the cover-board—the one that goes on over the "peak" of the roof—an inch or two, so that the air can escape. This is sufficient, the windows which are in the side of the house, which is not necessary, in Mr. Smith's opinion. In summer the hens have the run of small yards, each pen its own yard, but they are kept in wet days.

White Leghorns Favored.

After the house comes the choice of hens and Mr. Smith in common with many other poultrymen, favors the White Leghorn, on the ground that it will produce more eggs on less feed than any other breed, and consequently be more profitable when the hens are kept for egg production.

The feeding of laying hens is a most important factor to consider and one which requires great care if maximum results are to be obtained. After trying several mashers, Mr. Smith has found the following mixture to give splendid results: 30 pounds of mill run, 10 pounds of ground oats, 10 pounds of corn meal, 10 pounds of soy bean meal, 10 pounds of oil meal, 1/2 pound salt to every 100 pounds mash, and 4 pounds of charcoal. This mash is kept before the hens at all times and once a day, in the morning, a feed of the mash, damp enough to be crumbly, is fed. The grain ration, consisting of equal parts of corn, oats and wheat, is fed three times a day, morning, noon and night, enough being given at night so that there will be some left over to begin on in the morning when the lights are turned on. Oyster shell and grit are always in the pen.

The grain, which is just as important as the mash, is supplied by feeding kale, carrots, cut clover or alfalfa, which has been run through the feed chopper. This list of green feed is enough to last the hens all winter, and Mr. Smith has found, and there is no excuse for not having a plentiful supply of it at all seasons. If, for any good reason, he cannot get the green feed, he will, to some extent, take the place of green feed. Naturally, the question is asked if all this paid. The hens averaged 143 eggs each last year, 800 of them, and the price received was more than 40 cents per dozen, so it is not hard to figure out the gross income. The expenses, on the other hand, amount to a cent a day, per hen, which comes to \$5 a day. The net income, after deducting all expenses was exactly \$1954, which was realized from one acre and a half of ground. The labor was all performed by Mr. Smith himself, who is about 60 years old.

The investment needed is not large, but, of course, depends on how one wishes to start in. The house for the hens will cost \$554 for the material alone at present prices and such land is estimated at around \$500 per acre.

POULTRY INDUSTRY GROWS

Many New Plants Being Started in Vicinity of Roseburg.

ROSEBURG, Or., June 20.—(Special.)—That the poultry industry is assuming large proportions in the immediate vicinity of this city is indicated by new plants being erected. The Burt & Telford plants in Happy valley, besides several within the city, where thousands of hens are kept, with a score or two smaller poultry ranches within a mile or two, are proof that poultry in the Umpqua valley is becoming a factor.

J. H. Clark, who followed photography in Roseburg for a number of years, recently abandoned picture

FIRE BLIGHT INJURIOUS

Growers Are Warned to Watch For and Eradicate Infection.

HOOD RIVER, Or., June 20.—(Special.)—Leroy Childs, superintendent of the Hood River experiment station, today warned growers to watch their orchards carefully to prevent the inroads of fire blight. The disease, it was stated, has been found in the vicinity of Hood River, and the growers of the Wasco section have been warned to watch their orchards.

"Fire blight has been working westward from Wasco county orchards," says Mr. Childs. "The disease, it has been found, has been carried by the movement of infected trees from the east. The infection just discovered seems to be limited to blossoms. This shows that the disease is being carried by bees and other insects. The discovery need cause no alarm, if growers will simply be on the watch to eradicate it when they ever find it. Eternal vigilance is the price of a clean orchard."

HARNEY BUYS HEIFERS

Blooded Stock Is for Use of Calf Club Members.

OREGON AGRICULTURAL COLLEGE, Corvallis, June 20.—(Special.)—Eighteen head of Hereford Shorthorn and Hereford heifers have been purchased by L. E. McDaniels, newly appointed county agent of Harney county, to be distributed among calf club members of the county within a week or ten days. Most of the boys are purchasing the meat of the heifers, but the banks of Harney county are financing those who need assistance.

The Shorthorns were bought from Townley & Delay of Hot Lake, Union county, and the Herefords from Harber Chandler of Baker. The animals were selected by Mr. McDaniels. They are to calve in the next few months. This undertaking represents practically the first livestock club work that has been done in Harney county.

DAIRY COWS TESTED FREE

State Veterinarian Meets With Opposition Through Law Ignorance.

HOOD RIVER, Or., June 20.—(Special.)—Dr. C. M. Gardner, deputy state veterinarian, met with opposition last week to give dairy cows the tuberculin test at the instance of R. V. Wright, head of the department of vocational agriculture at the Hood River high school, met with opposition on the part of a few owners, however, on learning that the law required cows to be tested and that ordinarily a test would cost each \$10, and that failure to co-operate when it was pointed out that Dr. Gardner while here tested more than 200 cows.

A Frenchman has invented piano music printed on long sheets, mounted on motor-driven rolls that they are advanced as rapidly as a typewriter, saving the work of turning pages.

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COOLING MOTH STOPPED

Weather Conditions Prevent Egg Laying, Says Agriculturist.

HOOD RIVER, Or., June 20.—(Special.)—Weather conditions of the last two weeks, according to Leroy Childs, superintendent of the Hood River experiment station, have stopped cooling moth activity. Egg laying will not begin until the weather changes and the orchards warm up, Mr. Childs says.

"Lead sprays applied now will have little or no effect. Continued cool weather will delay the time for spraying indefinitely. Warm weather in the next few days will make it advisable that the spray be applied in the next week or ten days. Be prepared for such a contingency, although the weather may delay the application even further than indicated."

"Present conditions indicate that upper valley spraying dates will coincide with those of the lower valley. Growers should be on the alert for this insect and be ready to use black leaf in their next spray application if necessary."

FOSSIL, Or., June 20.—(Special.)—Willard Savage, 30 years old, was sentenced today in the lower court to an indeterminate sentence of from one to 20 years in the state penitentiary on being convicted of a statutory charge.

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