

CRATER LAKE IN SOUTHERN OREGON, ONE OF THE NATURAL WONDERS OF THE WHOLE WORLD

SITUATED in the crater of an extinct volcano at an elevation of 6177 feet, Crater lake owes its marvelous deep blue color to its depth of 2000 feet. It is accessible in the summer season by good roads and on its very rim is a tourist hotel, shown at left.



AGRICULTURE IS CHIEF SOURCE OF OREGON WEALTH

Farmer Winning Recognition; Cooperation Gets Results; Farm Land Gains Value.

Oregon's chief wealth lies in its agricultural endeavor. The city man heretofore has taken the farmer for granted. A slight change in this attitude is at the present time apparent. The farmer is becoming organized and is winning recognition. The city man is beginning to realize that his own prosperity depends upon the creation of primary wealth in the surrounding districts.

The press is now constantly calling attention to the urgent need of better recognition of the farming industry and the need of better compensation for the producer. The phrase, "Farm and Town" has come into quite general use in recent months. The Oregon Journal's editorial, headed by this phrase, along with two previous series during the past four years, are generally recognized as having been important factors in the awakening of the business men to the urgent need of bringing about better relations between the producer and the men with whom he deals.

53,394 FARMS LISTED The 1920 census gives the total number of Oregon farms at 53,394, with a total acreage of 13,342,218, of which less than 5,000,000 is improved. The total value of land and buildings is placed at \$875,213,284, an increase in valuation over 10 years before of over \$214,000,000.

It is interesting to note that while valuation, both the total for the entire state for farms and for acreage, have shown a steady increase, the size of farms has steadily decreased. Farms of from 100 to 499 acres constituted 72.7 per cent of the number of farms in 1920. A steady decrease in this size of farms has been apparent at the present time only 38.9 per cent of the farms are of this acreage. Although a steady decrease has been shown in the percentage of farms of 100 to 499 acres yet this size of farm is still more numerous than any other size. Although all farms of 100 to 499 acres have shown a decrease in number during the past 40 years, those of more than 1000 acres have shown a slight increase, as have all farms of less than 100 acres.

VALUES INCREASE The average value of farm land in Oregon is \$48.86 per acre for 1920, or an increase of almost \$11 per acre for the entire state over 1910. The average value for farms is over \$13,449 for the last census, an increase of \$4337 over 1910, and this in spite of the fact that the total number of farms has increased from 45,565 to 53,394 without very much additional acreage in farms. The development of better means of communication has meant much for the farmer. First the telephone and the rural free delivery and later the automobile with improved roads has made it possible for those many miles from the city to still enjoy many of the city conveniences. Each year sees more improved machinery in use on the farms and more labor saving devices in the households. Many farms now have all the conveniences that the city can supply. This is not true, however, as an average of a large share of the people on the soil are still making shift with about the same type of household and farm equipment that their fathers used with the possible exception of motive power taking the place of some of the horses. The entire fault does not lie in the indifference of the farmer but in a large extent in lack of profits in farming operations. Conveniences are still considered as luxurious rather than necessities and only the latter is purchased when the profits are low.

WHEAT IN LEAD

Of all crops, cereals make up by far the largest acreage with wheat the outstanding type of cereal raised, with oats running in second place. Cereal production increased 17.1 per cent between 1909 and 1919. During the extreme period oats, barley and rye show a decrease in production, while all other grains show increases. The highest percentage of increase is shown for kafir and milo, which have been developed for feeding livestock and poultry. Corn, used in its various purposes, shows an increase of 37.4 per cent compare with the increase in the use of this crop cut for silage and forage purposes. Corn, used in its various ways has taken its place as one of the important crops of the state, during the past few years. At one time it was thought that field corn could not be produced at all, but the use of well acclimated seed used and improved methods of culture it is raised in almost all parts of the state.

POTATO CROP BIG Oregon's potato crop for this year was estimated at 12,000,000 bushels, a marked increase of 4,000,000 bushels over that of last year and an increase of 6,000,000 over the potato crop of two years ago. According to the United States department of agriculture the potato crop production for the entire United States this year is 433,015,000 bushels, which is an increase of 8,619,000 bushels over that produced a year ago.

Vegetables of many varieties are produced in large quantities both for commercial and home use. People in the cities produce large amounts of the easier to raise varieties for their own use and most farmers have all they can use with some to spare. They are specializing in small vegetables but a large per cent of the total crop is still grown by farmers as a sideline. With the coming of good roads and the automobile sightseeing and tourist travel, the road side market is furnishing an excellent market for much of the surplus farm produced vegetables and fruits. Canneries are preserving all kinds of vegetables and preparing plants for freezing and for shipment to distant markets. As long as new markets can be found the industry should continue to grow. For the soil and climate are particularly adapted to this type of farming.

FRUIT BIG FACTOR Orchard fruits are produced by better than 80 per cent of all farms in Oregon. The total value of the fruit crops produced for market runs above \$20,000,000 annually. The highest production is in apples. The highest quantity produced and valuation are apples, which have shown a large increase in production during the past decade. Plums and prunes also show a large increased production and are second in importance to apples. Peaches, cherries and the three next important orchard fruits with relative importance in the order named. Walnuts make up a large percentage of the nut crops produced with almonds holding second place. Both of these crops are on the increase, while pecans show a decrease. Filberts are also becoming an important commercial crop, but a large per cent of these orchards are not yet in full bearing. Much of the well drained hill land of Western Oregon is admirably suited to nut culture and this promises to be a big industry of the future.

LOGANBERRIES Since their introduction a few years ago, loganberries have steadily climbed in importance until they now outrank all other small fruits, both in quantity produced and in valuation of the crop. More than 47,000,000 pounds of this delicious fruit is produced in this state each year. Large quantities are turned into fruit drinks and flavors, many of them preserved for use in jellies, jams and many other ways. Introduction of new methods of evaporating have made it possible to put this fruit, which is grown almost exclusively in the Northwest, into many distant markets where the canned goods cannot be profitably sent because of high transportation rates. As much as \$500 has been cleared per acre by growers in this fruit, although the average will not run that high.

Strawberries brought to Oregon producers \$250,000 this year. Some parts of Southern Oregon, Hood River and the river bottom lands of the Willamette valley are the most favorable spots for this spring favorite. Blackberries in several varieties, dewberries, gooseberries, currants and raspberries in the domesticated classes, with wild berries, bring thousands of dollars each year. A crop that has established a place in the farming industry is mint. Ferrie river bottom land has proved the best adapted for this crop, which is now grown in considerable quantity. The oil extracted finding a ready market from gum, candy and medicine manufacturers. The mint growers have a collective selling system which has proved helpful in finding markets and securing the best prices.

Cassels used in putting the nap on woolen goods are being grown by a few farmers. At least one man in Clackamas county is specializing in this product, and, knowing both the marketing and the production end of the game, is making a success of the venture. Production of broom corn,

OREGON'S DAIRY CATTLE WINNING NOTABLE RECORD

Jerseys Lead in Output of Products; Sheep, Mohair and Hay Industries Are Factor.

Dairy cattle are by far the producers of the most wealth each year as compared with any other domesticated animal. The natural advantages of mild climate with resultant long grass seasons, the constant markets and the quality of the stock, which has been and still is improving rapidly, is making the Northwest and particularly Oregon one of the most famous dairy regions of the world. Jerseys and animals with Jersey blood dominant in their veins are by far the most numerous and popular. Holsteins rank second in numbers. Guernseys third, Ayrshires fourth and Brown Swis, Red Polled and Milking Shorthorns trying for fifth place.

Butter, cheese and condensed milk factories take care of a large part of the dairy products produced in the coast district and in Eastern and Central Oregon while near Portland a ready market is found for both the fresh milk and other dairy products. COW TESTING WORKS A big factor in the improvement of the dairy stock has been the introduction of cow testing work both in associations and as carried on by individuals under the supervision of the department of agriculture through the Agricultural colleges. "Boarder" cows have been gradually weeded out and sent to the block, where they will produce no more cull dairy calves. The effect of the educational value of this work is apparent in the placing of purebred sires of proven merit at the head of many of the herds. Purebred sire clubs, where several dairymen with a few cows each, band together to collectively use sires of known value are becoming more popular each year.

Beef cattle still range the hills and open districts of the state in large numbers. Of recent years more attention has been given to the finishing of the range stock and the introduction of improved quality through purebred steers. Purebred Shorthorns, Hereford and Aberdeen Angus farms have been established where better stock is bred and sires produced to supply the growing demand. Going hand in hand with livestock development is the culture of alfalfa, clovers, vetches and other leguminous crops for winter hay. Although much wild hay is still used, most of the dairy stock is fed on alfalfa, clover or vetch.

The hays of the legume type leave both humus and nitrogen in the soil, both of which are very beneficial to following crops. This fact, along with the fact that by keeping livestock a large amount of fertilizer is available for the soil each year is doing much to keep up the fertility of Oregon soils. Something is being put back instead of it all being taken away. SHEEP INDUSTRY Sheep are raised both for wool and mutton purposes, the coarse and medium wool sheep being in the majority. It has long been thought that the fine wool breeds would not do well in most parts of the state because of the long moist periods which cause the fine wools to become inferior before sheared. Several breeders have found it feasible to provide some sort of shelter for the sheep and are very successful in raising the fine wool breeds. There seems to be a general tendency to improve the flocks through breeding up operations.

A very successful marketing organization has been built up by some 2300 sheep and mohair breeders of the state. Rather than let the fleeces go on the market in mixed grades, the association separates the clips into the various grades, according to the best standards and sells large quantities of graded wools. Better prices are secured for the graded lots for the buyer is anxious to purchase certain grades without having to bother with all of the other grades. In addition to the greater average price it is a more equitable system for the grower of the better quality wools receives a higher price, while the low grade wool grower receives only what his clip should bring. Under the old system of selling to the country buyer where grades were disregarded

there was no incentive to produce high quality wool.

Logged off and brush land is plentiful in many parts of the Northwest and goats are in great demand to kill off the brush. Besides serving mankind in clearing land the goats produced in 1920 more than \$200,000 worth of mohair.

Pork production in the state does not nearly supply the home demand, packers finding it necessary to import many animals from the Midwest. The quality of swine kept on the farms has been improved greatly through the introduction of purebred animals but competition from the corn states is keen enough to prevent excessive profits being made on Western pork. More world record egg producers have been developed in Oregon than in perhaps any other state. Poultry production has made a marked increase during the last few years and is becoming a highly specialized and commercialized industry. The standard strains of laying birds are the quality of the stock, which has been and still is improving rapidly, is making the Northwest and particularly Oregon one of the most famous dairy regions of the world.

COOPERATION PAYS The Oregon Growers Cooperative association is securing better prices for its members, who include fruit, nut and vegetable growers, than those growers outside of the organization are generally able to get. Besides, they are rendering better service to their members and are developing markets at distant points that the individual cannot reach.

One of the latest collective selling organizations among farmers is the Hay Growers' organization, which has been very successful though having to contend with falling prices and high transportation costs. The entire cooperative marketing movement has grown rapidly within the last few years and the success of organizations of this nature here has had an influence in the spread of this vast movement all over the country.

The county agent system for improving agricultural conditions, started during the late war when more food production was a crying need, is providing its worth in time of peace. Almost all of the counties have their agricultural agent and some of them boys' and girls' club leaders besides.

EXTENSIVE WORK Linked up closely as it is with the extension department of the agricultural college, the county agent system is gradually having its effect on the improvement of farming methods. Through the influence of the Grange, the Farmers' Union and, last, but not least, the farm bureau, agriculture is now recognized as an industry. Its importance, and its relation to the welfare of the city could not be impressed upon the general public until the organized farmer came into being. Through cooperative effort many of the conditions have been bettered and the future looks bright for the great body of producers continue to work together. Civic bodies are beginning to show their appreciation of the farmer and concede him the important position he should hold in the economic system.

As the farmer prospers, so shall the city, the state and the nation.

ARTHUR R. KING, President  
EDWARD B. KING, Treasurer  
EDWARD B. KING, Manager

OREGON BRASS WORKS

We Are Equipped to Make Anything in Bronze, Brass, Copper and Aluminum

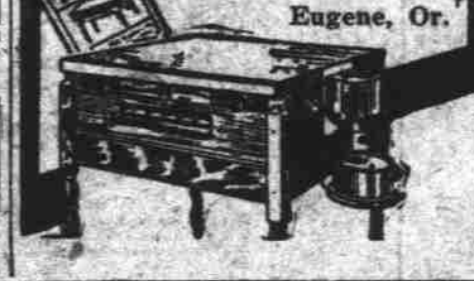
Office: Second and Everett Sts.  
Works: Front and Everett Sts.  
PORTLAND, OREGON  
Phones: Bdwy. 5373 A 2378

HILTON-DANIEL CO. REALTORS  
376 Stark St., Portland, Or.

BUY Direct from me

Not only do I save you money but I give you an incubator that is the result of more than fifty years experience in the poultry business.

I KNOW this incubator is absolutely right because there are hundreds of them in use all over the Northwest and everywhere they are praised by their owners—they write and tell me so.



McCLANAHAN INCUBATOR COMPANY  
Eugene, Or.

United Manufacturing Co., Inc.  
TWENTY-FIFTH AND HOLLADAY AVENUE  
Largest and Best Equipped Mattress Plant on the Pacific Coast  
Manufacturers of the Big 4 Brand MATTRESSES AND WOVEN WIRE SPRINGS  
Jobbers of Steel and Iron Springs and High-Grade Steel Enamelled Beds

CHEESE  
We import, manufacture and distribute.  
We Recommend—  
"BADGER STATE" Brand  
"BEAVER"  
"BLUHILL", Pimento, Chile and Cream  
"SWISS KNIGHT", Imported portion Swiss  
"PHOENIX CLUB", Swiss, American Pimento  
To be had at your Grocery  
The Portland Cheese Co.  
PORTLAND, OREGON

Rogue River Canned Salmon  
"Crown" Brand  
Awarded Gold Medal at San Francisco Exposition  
For sale at Sealy-Dresser Co., Portland or Write Us.  
CANNED BY  
The Macleay Estate Company  
PORTLAND, OREGON—WEDDERBURN, OREGON

National Hospital Association  
Services  
For Sick and Injured Employees of the Hazardous Industries  
Relieves the employer of the responsibility in caring for sickness and injury among his employees, whether occurring during, or out of working hours.  
Provides the employer with a high standard of Medical, Surgical and Hospital care.  
Furnishes sanitary inspection of camps, analysis of drinking water, first aid camp supplies, etc.  
Supplements Workmen's Compensation  
Established in 1906  
National Hospital Association  
400 Mohawk Building, Portland, Oregon

A Merry Christmas and a Happy New Year  
to all our friends and patrons  
Williams' Personal Service  
High Class Office Employment Specialists  
503-4 Spalding Bldg.

KING BROS. BOILER WORKS  
Incorporated May 20, 1910  
BOILERS TANKS STACKS PIPE REPAIR WORK  
ELECTRIC AND ACETYLENE WELDING AND CUTTING  
TUBE CLEANING AND WELDING  
PIPE DIPPING  
East 18th and Lafayette Sts.  
PORTLAND, OREGON

Columbia Paper Box Co.  
Manufacturers of Folding Paper Boxes and Cartons FOR EVERY PURPOSE  
Office and Factory East 25th Street and Holladay Avenue PORTLAND

The Best in Oregon and the Northwest  
Oregon State College of Chiropractic  
Sixth and Oak Streets  
Portland, Oregon  
Stubbs Building  
BEST CLINIC  
BEST INSTRUCTORS  
BEST LOCATION  
New Term, Jan 1  
A State Recognized and Standard School  
SEND FOR CATALOG  
All Systems of Adjusting Taught Only College Giving X-Ray Course