

## GROWTH OF MANUFACTURES

Unexampled Progress in Many Lines of Industry During the Past Year.

THE amount of capital invested in manufacturing and mechanical industries is about \$40,000,000. This sum represents the value of land, buildings, machinery, tools and implements, and live capital invested, but does not include the capital stock of any of the manufacturing corporations in the state. The value of products for the state is the gross value, and not the net or true value. The finished product of one factory is often the raw material of another. In such cases the value of the former reappears again in other establishments.

Following is a statement of the specified industries in 1902, as compared with census returns in 1900. The figures given for 1902 are estimated for the most part, but will be found as nearly correct as is possible under the circumstances, the estimates being based on careful inquiry and general knowledge of the conditions in the state, added to the knowledge gained by the compiler in taking the statistics of manufactures in the census of 1900. The difference between the census returns of 1900 and the estimated figures as given below is due largely to the neglect of enumerators throughout the state to fully follow instructions in the matter of reporting such establishments as photographers, shoemakers, contractors, dressmakers, milliners, etc., who all come under the head of "Manufacturers" in the census report. When it is considered that it was the duty of the enumerator to report all persons on the population schedule, as well as to fill in the agriculture, mortality, livestock and other schedules, it may explain, though not excuse, this dereliction to duty on his part.

## STATISTICS OF MANUFACTURE.

(By C. H. McLean, secretary Manufacturers' Association of the Northwest.)

## Oregon—1902.

No. manufacturing and mechanical industries ..... 4,000  
Capital invested ..... \$40,000,000  
Value of land and buildings ..... 11,000,000  
No. officials and clerks ..... 2,000  
Salaries, officials and clerks ..... \$1,320,000  
Wage-earners employed ..... 20,000  
Total wages paid ..... \$12,000,000  
Value product, state and city ..... \$6,025,000  
Value of product in city ..... \$7,755,000  
Value of product in state ..... \$2,100,000

## Portland—1902.

No. of establishments ..... 1,800  
Capital invested ..... \$30,000,000  
Wage-earners ..... 20,000  
Total wages paid ..... \$8,000,000  
Value of product ..... \$7,755,000

The natural resources of the state are extensive, furnishing material for its various manufacturing enterprises, while it has good harbors for the marketing of its manufactured goods. The streams of the state furnish abundant power, the railroad and water lines furnish adequate transportation for the output of its factories and mills, so taking into consideration the disadvantages we have been working under in the past in securing

## OREGON MANUFACTURES BY SPECIFIED INDUSTRIES.

1900.	1902.
Awning, tents and sails .....	71,156
Bag, other than paper .....	223,200
Bicycle and tricycle repairing .....	121,562
Blacksmithing and wheelwrighting .....	726,538
Bookbinding and blank book-making .....	52,700
Boots and shoes .....	134,841
Bottling .....	12,400
Boxes, wooden, packing .....	172,070
Brass casting and brass finishing .....	27,605
Bread and other bakery products .....	908,945
Brick and tile .....	227,141
Brooms and brushes .....	40,524
Carpentering .....	1,961,735
Carpets, rag .....	10,224
Carriages and wagons .....	128,425
Cars and general shop construction and repairs by steam railway companies and street-car companies .....	1,025,169
Cheese and butter factory product .....	639,222
Clothing, men's custom work and repairing .....	638,587
Clothing, women's factory product .....	195,204
Clothing, women's dressmaking .....	317,915
Confectionery, women's factory product .....	50,547
Coffee and spice-roasting and grinding .....	322,290
Confectionery .....	320,616
Cooperage .....	72,043
Dyeing and cleaning .....	29,180
Electrical construction and repairs .....	69,959
Engraving, steel, including plate-printing .....	11,558
Flour and grist mill products .....	1,788,800
Furniture and machinery shop product .....	6,394,023
Fruits and vegetables, canning and preserving .....	141,498
Fur goods .....	135,814
Furniture, cabinet-making, repairing and upholstering .....	228,463
Gas, illuminating and heating .....	228,730
Hair work .....	174,965
Ice, artificial .....	1,296
Ice, natural .....	110,061
Leather, tanned, curried and finished .....	249,128
Liquor, malt .....	711,242
Lock and gunsmithing .....	37,739
Looking-glass and picture frames .....	20,480
Lumber and timber products, including sash, doors and blinds .....	10,352,157
Marble and stone work .....	661,547
Masonry, brick and stone .....	125,840
Mattresses and spring beds .....	1,828,587
Millinery, custom work .....	35,794
Mineral and soda water .....	229,149
Monuments and tombstones .....	140,000
Painting, house, sign, etc. .....	122,679
Paper and wood pulp .....	414,653
Paper-hanging .....	41,459
Patent medicines and compounds .....	1,806,006
Paving and paving materials .....	107,746
Perfumery and cosmetics .....	16,873
Photography .....	154,545
Pickles, preserves and sauces .....	25,810
Plastering and stucco work .....	108,517
Plumbing and gas and steam-fitting .....	63,890
Pottery, terra cotta and fire clay products .....	31,327
Printing and publishing, book and job .....	602,801
Printing and publishing, newspapers and periodicals .....	90,437
Railroad and rolling material .....	141,424
Saddlery and harness .....	1,075,337
Shoemaking .....	114,500
Ship and boatbuilding, wooden .....	1,500,000
Shirts .....	654,585
Slaughtering and meat-packing, wholesale .....	43,000
Soda and candies .....	1,825,450
Tinsmithing, copper-smithing and sheet-iron working .....	27,012
Tobacco, cigar and cigarette .....	756,302
Tools, not elsewhere specified .....	146,401
Trunks and valises .....	17,440
Typewriter repairing .....	17,000
Umbrellas and canes .....	3,100
Upholstering materials .....	20,000
Watch, clock and jewelry repairing .....	300,194
Wood, turned and carved .....	113,737
Woolen goods .....	327,524
*All other industries .....	3,925,165
Totals .....	\$46,000,587

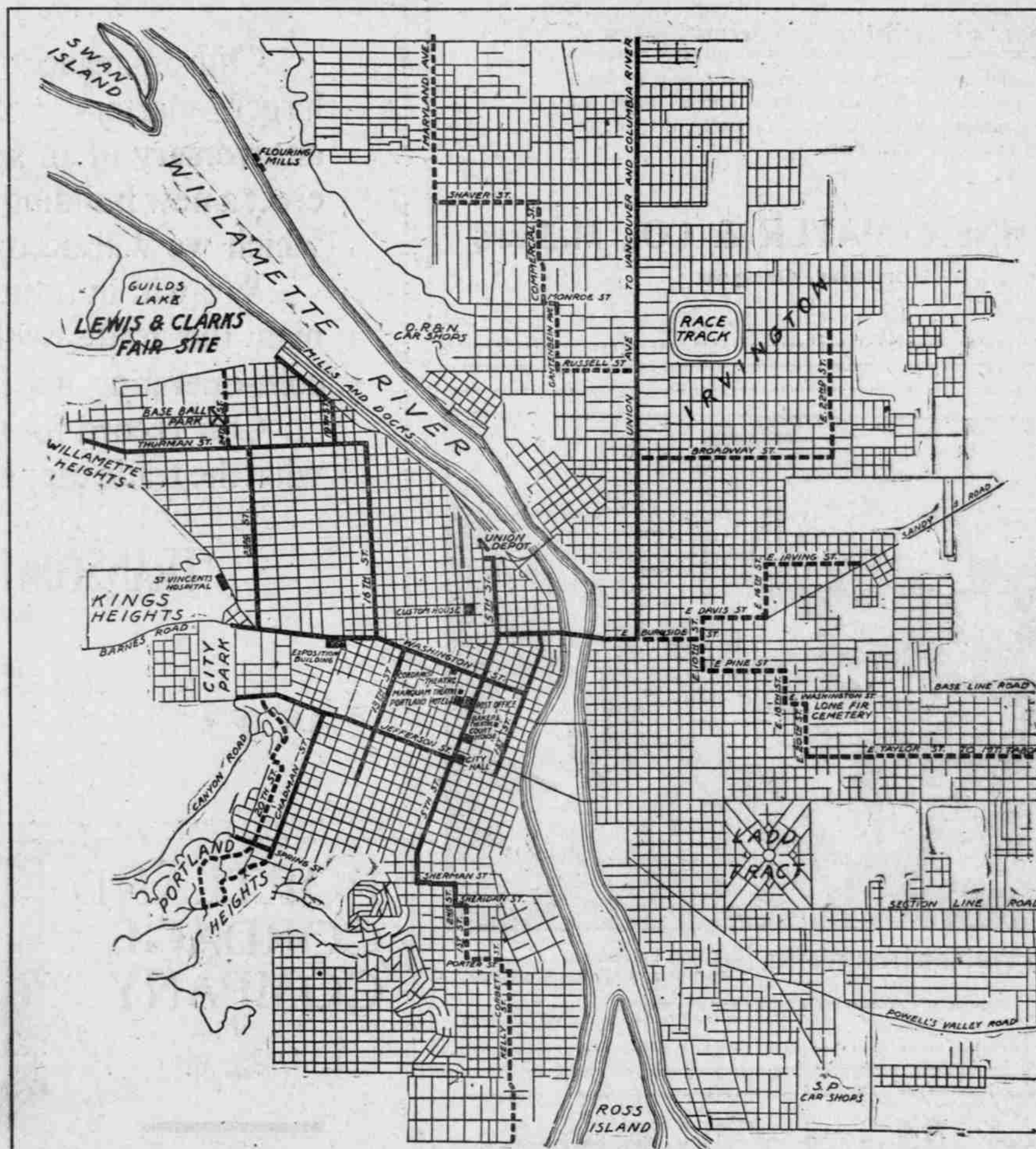
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Totals .....	\$27,735,500

## Portland Railway System

## SCENIC LINE OF PORTLAND

Only Electric Line to Columbia River and Vancouver Barracks  
Cable Road to Portland Heights  
Thoroughly Modern Equipment and First-Class Service



The Portland Railway Company now operates 29 miles of electric track and 2 miles of cable but will construct extensions, as indicated by dotted lines on the map, aggregating over 10 miles, as soon as the material now ordered arrives.

Extensive improvements have been made, the 40 and 45-pound T rails are being replaced by 91-pound girder rails. A massive new car barn has been erected at the corner of Twenty-third and Washington streets, an addition has been made to the Woodlawn carhouse and a freighthouse has been constructed at Fifth and Hoyt streets, obviating the necessity of loading freight cars on the streets. The Company has also built a large two-story brick carshop, as they build all their own cars. The motors used are the General Electric and Westinghouse types. At present the Company has 91 open and closed passenger cars, 2 freight cars and 2 electric snow brooms.

The points of interest reached by the Portland Railway, which passes through the best residence section of the city, are the City Park, Willamette Heights, Union Depot, City Hall, Library, Portland Heights, Race Track, Hospitals, the principal Hotels and business blocks. Points of interest on the East Side are the Columbia River and Vancouver Barracks, via ferry.

At Vancouver is located the Barracks, one of the finest military posts of the United States Army and the headquarters of the Department of the Columbia. General Grant, Sheridan, and other distinguished officers of the army have been stationed there at different times.

The City Park is one of the most attractive natural parks in any city. On the Willamette Heights can be seen one of the finest views of all the snow-clad mountain peaks, with city, lakes and rivers in the foreground. The Portland Heights is the highest point reached by our street-car lines, commanding a magnificent view of the city and surrounding country.

favorable rates for transporting goods, and the unjust prejudice of our local community against "home-made goods," which prejudice is most unfair, Portland can now come under the head of a manufacturing city. With an era of unprecedented growth and prosperity before us, the people of Portland and Oregon are urged to call upon us to earnestly consider the necessity of energetically pushing the development of the manufacturing possibilities of the state, which is the only sure means of making growth and prosperity here continuous and permanent.

Statistics for 13 leading industries in Oregon are herewith presented:

Industry	Value
Lumber and timber product .....	\$12,000,000
Flouring and grist mill product .....	2,500,000
Fish-canning and preserving .....	2,500,000
Slaughtering and meat-packing .....	2,000,000
Newspapers and periodicals .....	1,800,000
Paper and wood pulp .....	1,600,000
Cars and general shop construction .....	1,500,000
Street-car companies .....	1,500,000
Saddlery and harness .....	1,500,000
Foundry and machine shop product .....	1,500,000
Woolen goods .....	1,500,000
Furniture .....	1,500,000
Bread and bakery products .....	1,500,000
Ship and boatbuilding .....	1,500,000
Sash, doors and blinds .....	1,500,000

## MILLIONS IN LUMBER.

Mills of Portland Alone Cut 350,000,000 Feet.

The lumber cut in Oregon for the year 1902 amounted to 1,000,000,000 feet, with a total value of \$10,000,000. The mills of Portland alone cut 350,000,000 feet, and this 350,000,000 feet was exported. Although this cut of lumber seems enormous, if the manufacture continues at the rate of a billion feet a year it will take 24 years to cut all the merchantable timber now standing in Oregon. In the meantime a vast amount of young timber is coming in to take the place of that cut.

## Dairies Produce \$3,000,000.

The value of the product of Oregon dairies last year was \$3,000,000, and the supply was not enough to meet the demand. Oregon dairymen receive from 6 to 7 cents a pound more for their product than do the dairymen of the Eastern states. There are about 300 creameries and cheese factories in the state.

## In the Hill Regions.

The hill regions of Oregon are yet almost entirely unsettled. This refers to the foothills of the Cascade and Coast Range Mountains. In this section there

will some day be thousands of the happy homes in Oregon. With all the advantages and none of the disadvantages of Switzerland, the hill country of Oregon holds out great inducements to the man with a family who is seeking a cheap home.

## Many Coal Prospects.

Within 50 miles of Portland numerous coal prospects have been discovered, and by chemical tests and practical use under

the boiler it has been demonstrated that this coal produces satisfactory results. Remoteness from transportation lines is all that has retarded the development of these resources.

## Industries Give Employment.

One of the secrets of the general prosperity in Oregon is the number of industries which give employment to all classes of people. The orchards, hopyards, fruit canneries and numerous factories give em-

ployment to men, women, and children at remunerative wages. The hop industry alone requires the services of 35,000 persons during the picking season, and children make good wages at this work. Over \$1,000,000 is annually distributed among the people of Western Oregon on account of wages to workers in the hopyards.

You can make as much money in Oregon as in any other state, and get more enjoyment out of life in the meantime.

## Oregon Water Power &amp; Railway Company

General Offices: First St., N. E. Cor. Alder  
PORTLAND, OREGON

THE ONLY INTERURBAN LINE IN OREGON  
DOING A PASSENGER and FREIGHT TRAFFIC

This line reaches Oregon City and Canemah and will soon establish service between Portland, Gresham, Eagle Creek, Currinsville and Springfield. A water-power plant will be installed on the Clackamas River for furnishing power for the use of the lines of this system and for commercial purposes. This line brings Clackamas County to Portland's door.