

DEPARTMENT OF COMMERCE AND LABOR  
BUREAU OF THE CENSUS

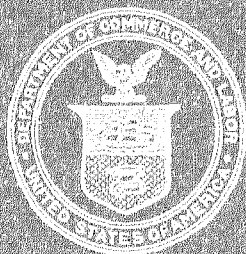
E. DANA DURAND, DIRECTOR

THIRTEENTH CENSUS OF THE UNITED STATES  
TAKEN IN THE YEAR 1910

STATISTICS FOR  
OREGON

CONTAINING STATISTICS OF POPULATION,  
AGRICULTURE, MANUFACTURES, AND  
MINING FOR THE STATE, COUNTIES,  
CITIES, AND OTHER DIVISIONS

REPRINT OF THE SUPPLEMENT FOR OREGON PUBLISHED IN CONNECTION WITH THE  
ABSTRACT OF THE CENSUS



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## THIRTEENTH CENSUS PUBLICATIONS.

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The results of the Thirteenth Decennial Census will be published in two forms: A comprehensive report in 12 volumes, and a condensed report, the Abstract of the Thirteenth Census, which is being issued with Supplements for the different states.

The material contained in the Supplements embraces for each state all of the census results published concerning the state, its counties, cities, and other civil divisions, except as to occupations. This material is bound up in one volume with the Abstract of the Thirteenth Decennial Census. The result is a series of editions of the Abstract each with a different State Supplement, with the purpose of furnishing those who receive the Abstract with the statistics of the state in which they reside.

The material contained in the various State Supplements will also be printed by subjects in the final reports. The chapters relating to Population for all of the states will be assembled in two volumes of the final report on Population; those relating to Agriculture, in two volumes of the final report on that subject; those relating to Manufactures, in one volume of the final report on Manufactures; and those relating to Mining, in the final report on Mining.

The present pamphlet is a reprint of the State Supplement. It contains no material which is not available in the bound volume of the Abstract for the state to which it refers, or in the complete final report of the Thirteenth Census, and has been issued in a very limited edition for special purposes.

# SUPPLEMENT FOR OREGON



POPULATION  
AGRICULTURE  
MANUFACTURES  
MINES AND QUARRIES

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according to the conditions as they existed at each census. In this comparison a place having less than 2,500 inhabitants in 1900 and over 2,500 in 1910 is classed with the rural population for 1900 and with the urban for 1910. On the other hand, in order to present fairly the contrast between urban and rural communities, as regards their rate of growth, it is necessary to consider the changes in population for the same territory which have occurred from one decennial census to another. For this purpose the territory which in 1910 was urban or rural, as the case may be, is taken as the basis,

and the population in 1900 for the same territory (so far as separately reported at that census) is presented, even though part of the territory may, on the basis of its population at the earlier census, have then been in a different class. This avoids the disturbing effect on comparisons which would arise from the passage, for example, of communities formerly classed as rural into the urban group. These two distinct forms of comparison are made in Table I of Chapter 2 for the state as a whole and for each county separately for the last two Federal censuses.

### TOTAL POPULATION, INCREASE, AND DISTRIBUTION.

**Population of the state.**—The population of Oregon is 672,765. Compared with a population of 413,536 in 1900, this represents an increase during the last decade of 259,229, or 62.7 per cent. During the same period the total population of the United States increased 21 per cent. The growth of the state was a little more than twice as rapid as during the preceding decade,

1890-1900, when the rate of increase was 30.2 per cent. The following table shows the population of Oregon at each Federal census from 1850 to 1910, inclusive, together with the increase and per cent of increase during each decade, in comparison with the per cent of increase for the United States as a whole.

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1910.....	672,765	259,229	62.7	21.0
1900.....	413,536	95,832	30.2	20.7
1890.....	317,704	142,936	81.8	25.5
1880.....	174,768	83,845	92.2	30.1
1870.....	90,923	38,458	73.3	22.6
1860.....	52,465	39,171	294.7	35.6
1850.....	13,294			

<sup>1</sup> Includes population (3,937) of Indian reservations specially enumerated.

Oregon was organized as a territory in 1848 and appears in the Federal census reports for the first time in 1850. The total population (13,294) reported for 1850 includes 1,201 returned for that portion which was taken in 1853 to form Washington territory. As shown by the above table, during each decade since 1850 the state has shown a rapid growth, the lowest rate of increase for any decennial period being 30.2 per cent for the decade 1890-1900. The most rapid rate of growth was naturally during the first few years in the history of the state, the population increasing threefold from 1850 to 1860. During the three following decades, 1860-1890, the population of the state increased more than fivefold, the percentages of increase ranging from 73.3 to 92.2. Between 1890 and 1910 the population more than doubled. The numerical increase during the last decade was nearly one and one-half times the entire population of the state in 1880.

A comparison of the rates of increase for the state with those for the United States, as given in the preceding table, shows that during every decade covered by the table the growth of the state was more rapid than the growth of the country as a whole. The population of the state in 1910 was somewhat more than fifty times as large as in 1850, while the population of the United States in 1910 was slightly less than four times that in 1850.

**Principal cities.**—Oregon has 97 cities, of which Portland, the largest, has a population of 207,214, and Salem, the second city, a population of 14,094. There are also 5 cities having from 5,000 to 10,000, 9 having from 2,500 to 5,000, and 81 having less than 2,500 inhabitants.

Table 2 shows the population in 1910 of all the cities of the state with comparative figures, where possible, for 1900 and 1890. The table on page 569 shows the population of the seven cities having in 1910 over 5,000 inhabitants, as reported at each Federal census since their incorporation either as cities or towns, so far as figures are available, together with the increase during each decade.

Of the seven cities included in this table, Portland, Salem, Eugene, Medford, and Ashland show very high rates of increase for the last decade, ranging from 90.6 per cent in Ashland to 393.6 per cent in Medford. Baker City shows the lowest rate of increase, namely, 1.2 per cent. During the preceding decade, however, there was a marked growth in the population of this city, the percentage of increase being 155.9. It will be noted that a high rate of increase in population has prevailed in Portland since its incorporation, the percentages of increase ranging from 94.9 for the decade 1890-1900 to 188.6 for the decade 1860-1870.

CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.
<b>Ashland:</b>				<b>Eugene—Continued.</b>			
1910.....	5,020	2,386	90.6	1880.....	1,117	256	29.7
1900.....	2,634	850	47.6	1870.....	861		
1880.....	1,784	942	111.9				
1880.....	842			<b>Medford:</b>			
<b>Astoria:</b>				1910.....	8,840	7,040	393.6
1910.....	9,599	1,213	14.5	1900.....	1,791	824	85.2
1900.....	8,381	2,197	35.5	1890.....	967		
1890.....	6,184	3,381	120.6				
1880.....	2,803	2,164	338.7	<b>Portland:</b>			
1870.....	639			1910.....	207,214	116,788	129.2
<b>Baker City:</b>				1900.....	90,426	44,041	94.9
1910.....	6,742	79	1.2	1890.....	46,385	28,808	163.9
1900.....	6,663	4,059	155.9	1880.....	17,577	9,284	111.9
1890.....	2,604	1,346	107.0	1870.....	8,293	5,419	188.6
1880.....	1,258			1860.....	2,874		
<b>Eugene:</b>				<b>Salem:</b>			
1910.....	9,009	5,773	178.4	1910.....	14,094	9,836	231.0
1900.....	3,236			1900.....	4,258		
1890.....	(1)			1890.....	(1)		
				1880.....	2,538		

<sup>1</sup> Not returned separately.

Counties.—Oregon has 34 counties. The population of these counties ranges from 2,044 in Curry County to 226,261 in Multnomah County.

The following territorial changes have been made since 1900: Part of Wasco County was taken in 1908 to form Hood River County and part of Union County was annexed to Baker County in 1902.

Owing to the organization since 1900 of one new county from part of another county, as shown above, the comparison of increase or decrease in population is made for only 32 counties and one combination of counties. The counties combined are Hood River and Wasco. In order to determine the actual rate of increase for this combination of counties, it is necessary to add the population of the new county to that of the old county from which it was formed. Thirty-one counties and the one combination of counties in the state increased in population during the last decade. The rates of increase for the 31 counties range from eight-tenths of 1 per cent in Union County to 135 per cent in Crook County, and the absolute increases of the same counties from 41 in Wheeler County to 123,094 in Multnomah County. The combined counties of Hood River and Wasco increased 11,153, or 84.5 per cent. One county in the state, Grant, showed a decrease, namely, 341, or 5.7 per cent. Nine counties and the one combination of counties show a higher rate of increase than is shown for the state as a whole, which, as before stated, was 62.7 per cent.

The maps on page 572 show the increase or decrease in the total and the rural population, respectively, of each county of Oregon during the last decade. In the county shown in white the population decreased; for the other counties the different rates of increase are indicated by differences in shading.

Density of population.—The total land area of the state is 95,607 square miles. The average number of persons to the square mile in 1910 was 7; in 1900 and 1890 it was 4.3 and 3.3, respectively. The average number per square mile for the United States as a whole in 1910 was 30.9.

The density of population is given by counties in Table I of Chapter 2 and in the maps on page 573, both for the entire population and for that living in rural territory, excluding in the latter case the population of places of 2,500 inhabitants or more, but not excluding the land area of such places.

Harney County, with 9,933 square miles, has the largest area, and Multnomah County, with 451 square miles, has the smallest area. Multnomah County, which contains the city of Portland, has the highest density of any county, namely, 501.7 persons per square mile. Harney, Lake, and Malheur Counties each average less than 1 person per square mile.

Minor civil divisions.—The political divisions into which counties are subdivided are collectively termed "Minor civil divisions." In Oregon the counties are divided into 861 primary divisions, comprising that number of election precincts. There are also 171 secondary divisions, comprising 97 cities and 74 incorporated towns. These secondary divisions usually form parts of the election precincts in which they are located, but 8 cities and 3 towns are coextensive with the election precincts in which they are located, while each of 7 other cities comprise one or more election precincts and parts of others. Besides these minor civil divisions there are 3 Indian reservations in the state, which, though independent of any county organization, are returned under the county in which they are wholly or partly located.

Urban and rural population compared.—The following table presents the population of Oregon at the Federal censuses of 1910, 1900, and 1890, respectively, distributed among cities and towns grouped according to speci-

fied limits of population, together with the percentage of the total population contained in each group at each of the censuses named. The classification is based upon the population of each place as it existed at each census.

CLASS OF PLACES.	1910		1900		1890		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1910	1900	1890
Total population.....		672,765		413,536		1,317,704	100.0	100.0	100.0
Urban territory.....	18	307,060	11	133,180	10	85,093	45.6	32.2	26.8
Cities and towns of—									
100,000 inhabitants or more.....	1	207,214	1	90,426	1	46,385	30.8	21.9	14.6
50,000 to 100,000 inhabitants.....					1	10,532			3.3
25,000 to 50,000 inhabitants.....	1	14,094			2	11,313	2.1		3.6
10,000 to 25,000 inhabitants.....	5	39,210	2	15,044	6	16,863	5.8	3.6	5.3
5,000 to 10,000 inhabitants.....			8	27,710			6.9	6.7	
2,500 to 5,000 inhabitants.....	11	46,542							
Rural territory.....		365,705		280,356		1,232,611	54.4	67.8	73.2
Cities and towns of less than 2,500 inhabitants.....	153	89,742	103	50,462	59	23,038	13.3	12.2	9.0
Other rural territory.....		275,963		229,894		1,209,573	41.0	55.6	64.2

<sup>1</sup> Includes population (3,937) of Indian reservations specially enumerated.

As shown by the above table, the urban territory of the state in 1910—that is, the cities and incorporated towns of 2,500 inhabitants or more—contained 307,060 inhabitants, or 45.6 per cent of the total population, while 365,705 inhabitants, or 54.4 per cent, lived in rural territory. The urban territory as it existed in 1900—that is, the cities and incorporated towns then having 2,500 inhabitants or more—contained 133,180 inhabitants, or 32.2 per cent of the total population, while 280,356 inhabitants, or 67.8 per cent, lived in rural territory. There has thus been a large increase in the proportion of urban population. For the United States as a whole the urban population constituted 46.3 per cent of the total population in 1910 and 40.5 per cent of the total population in 1900.

In 1910 Portland's proportion of the total population of the state was 30.8 per cent, or nearly one and one-half times its proportion in 1900 and more than twice its proportion in 1890. The proportion of the population of the state in the other urban places in 1910, 1900, and 1890 was 14.8, 10.3, and 12.2 per cent, respectively.

The urban population of the state in 1910 was contained in 16 cities and 2 towns. Of the total population, 13.3 per cent was contained in 153 cities and incorporated towns of less than 2,500 inhabitants each and 41 per cent in unincorporated territory.

The 153 cities and towns of less than 2,500 inhabitants each have an aggregate population of 89,742. These places comprise 27 having from 1,000 to 2,500 inhabitants each, with a combined population of 42,568; 31 having from 500 to 1,000 inhabitants each, with a combined population of 22,177; and 95 having less than 500 inhabitants each, with a combined population of 24,997.

The above table shows further that in all cities and incorporated towns, including those of less than 2,500 inhabitants, there was in 1910 a population of 396,802, or 59 per cent of the population of the state. The population of all cities and incorporated towns, as they existed in 1900, was 183,642, or 44.4 per cent of the population of the state.

Table I of Chapter 2 shows that 6 counties had a larger proportion and 4 counties and the one combination of counties a smaller proportion of urban population in 1910 than in 1900. Five counties which were wholly rural in 1900 were partly urban in 1910, while 17 counties were wholly rural at both censuses.

In order to compare the *rate of growth* in urban and rural communities it is necessary in each case, as previously explained, to consider the changes in population which have occurred in the *same* territory from one decennial census to another. With this end in view places classed as urban or rural according to their population in 1910 are taken as a basis and the aggregate population in 1910 and in 1900 of the *same* places is then compared. Thus, as shown in the table on page 571, the total population in 1910 of the cities and towns which at that time had 2,500 inhabitants or more was 307,060; in 1900 the total population of these same places was 142,840. It may be noted that the latter figure exceeds the total population in 1900 of the cities and towns which at that time had over 2,500 inhabitants each, 133,180 (see above table), by 9,660. The difference is the result of the passage, since 1900, of certain communities from the rural to the urban class and of annexations of territory during the same period.

A comparison of the total population in 1910 of cities and towns having a population of not less than 2,500

each with the total population of the same places in 1900, as given in the following table, shows an increase of 115 per cent. This represents the rate of growth of urban communities as thus defined. During the same period the rural population, comprising that of the remainder of the state, increased 35.1 per cent. The population of urban areas thus increased more than three times as fast as rural. For the United States as a whole urban population increased 34.9 per cent in the last decade and rural population 11.2 per cent.

In the table in the next column the population for the state as a whole is distributed so as to show, for 1910 and 1900, the population of the city of Portland, the combined population of the other cities and towns having in 1910 over 2,500 inhabitants, and the population of the remainder of the state.

From this table it appears that the city of Portland increased in population during the last decade some-

what more than twice as rapidly as the state as a whole, and more than one and one-third times as rapidly as the group of cities and towns having from 2,500 to 25,000 inhabitants, while the rate of increase in rural territory was but little more than one-half the rate for the state as a whole.

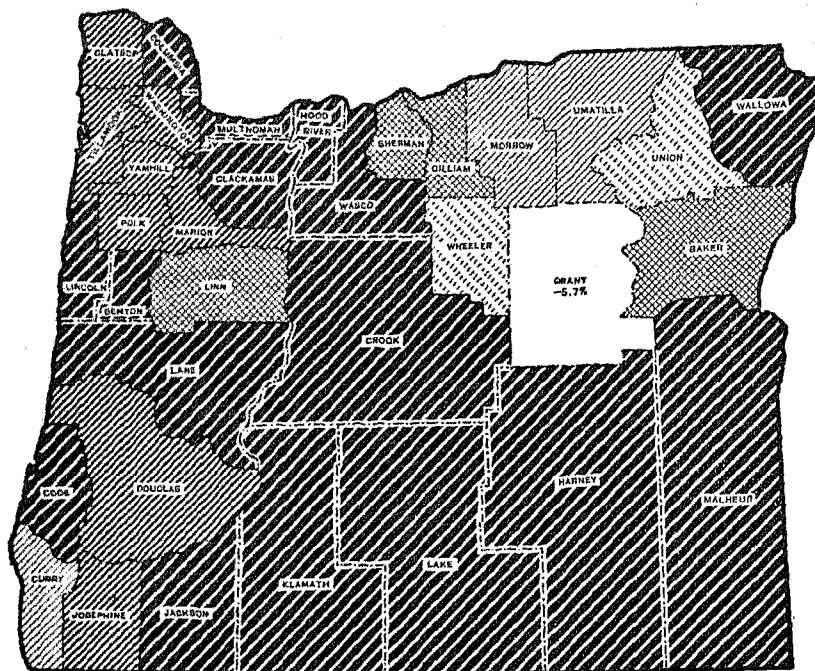
CLASS OF PLACES.	POPULATION.		INCREASE: 1900-1910	
	1910	1900	Number.	Per cent.
The state.....	672,765	413,596	259,229	62.7
Urban territory in 1910.....	307,090	142,540	164,220	115.0
City of Portland.....	207,214	90,426	116,788	129.2
Cities and towns of 2,500 to 25,000 in 1910.....	99,846	52,414	47,432	90.5
Remainder of the state.....	365,705	270,696	95,009	35.1

It also appears from this table that of the total increase in the population of the state during the decade, namely, 259,229, nearly one-half was in the city of Portland.

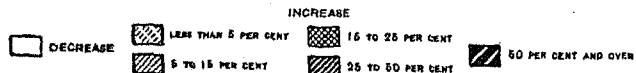
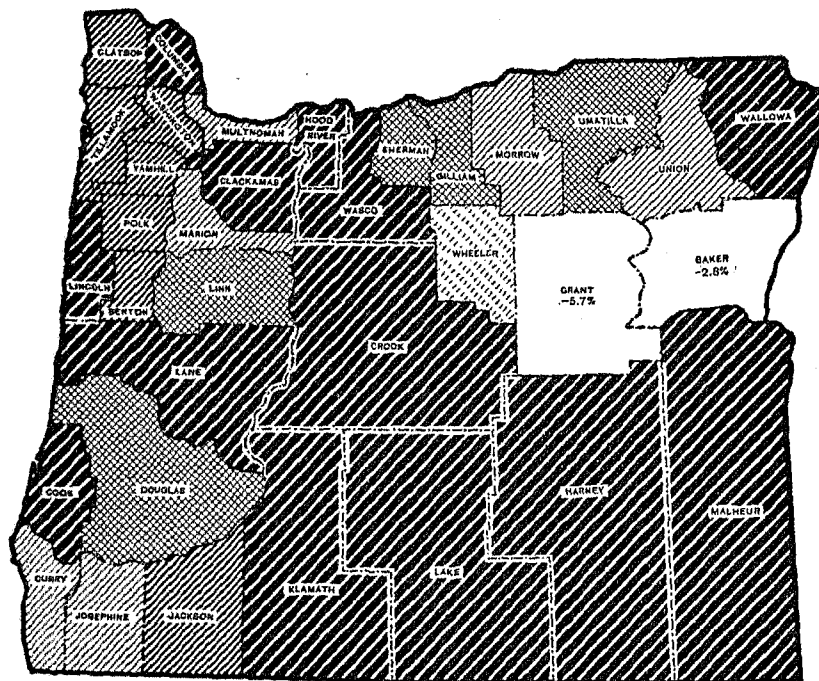
PER CENT OF INCREASE OR DECREASE OF POPULATION OF OREGON, BY COUNTIES: 1900-1910.

In case of decrease the per cent is inserted under the county name.

TOTAL POPULATION.



RURAL POPULATION.

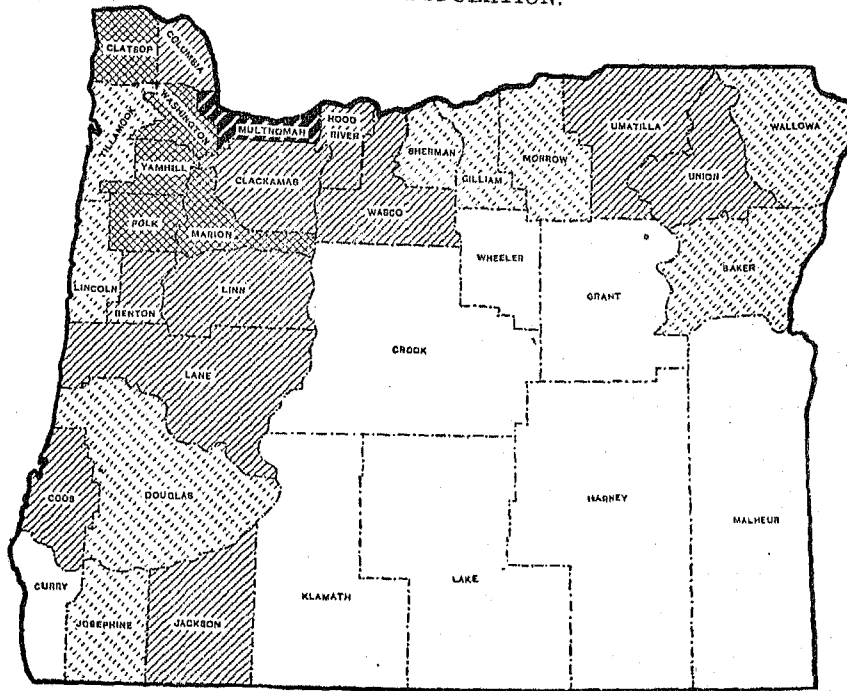


Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

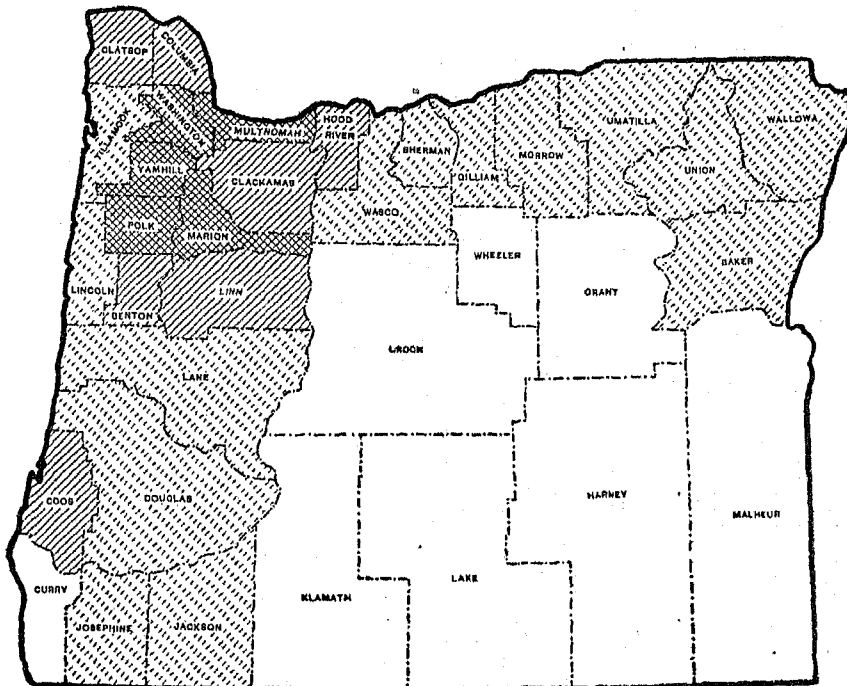


DENSITY OF POPULATION OF OREGON, BY COUNTIES: 1910.

TOTAL POPULATION.



RURAL POPULATION



NUMBER OF INHABITANTS PER SQUARE MILE

LESS THAN 2	6 TO 18	45 TO 90
2 TO 6	18 TO 45	90 AND OVER

Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census; 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Baker County</b> <sup>1</sup> .....	<b>18,076</b>	<b>16,597</b>	<b>8,764</b>	<b>Benton County</b> .....	<b>10,683</b>	<b>6,706</b>	<b>22,886</b>
Alder precinct.....	288	283		Precinct 1, Corvallis, including parts of wards 2 and 3 of Corvallis city.....	1,586	467	
Baker precinct No. 1, <sup>2</sup> including part of ward 2 of Baker City.....	1,239	270		Corvallis city (part of).....	1,125	267	
Baker City (part of).....	818			Total for Corvallis city, <sup>23</sup> comprising precincts Nos. 2 and 3 and parts of precincts Nos. 1 and 4.....	4,652	1,819	1,627
Total for Baker City, comprising Baker precincts Nos. 2 and 4 and parts of Baker precincts Nos. 1 and 3, and parts of Depot and South Baker precincts.....	6,745	6,663	4,604	Ward 1.....	1,609		
Ward 1.....	1,450			Ward 2.....	1,475		
Ward 2.....	1,572			Ward 3.....	1,468		
Ward 3.....	2,068			Precinct 2, Corvallis, <sup>23</sup> comprising parts of wards 2 and 3 of Corvallis city.....	1,491	877	
Ward 4.....	1,854			Corvallis city (part of).....	1,491	695	
Baker precinct No. 2, <sup>3</sup> including parts of wards 2 and 3 of Baker City.....	1,290			Precinct 3, Corvallis, <sup>23</sup> comprising parts of wards 1 and 2 of Corvallis city.....	1,250	638	
Baker City (part of).....	1,244			Corvallis city (part of).....	1,250	588	
Baker precinct No. 3, <sup>4</sup> comprising part of ward 3 of Baker City.....	638			Precinct 4, Corvallis, including part of ward 1 of Corvallis city.....	934	443	
Baker City.....	1,450			Corvallis city (part of).....	686	269	
Bed Rock precinct.....	267	144		Precinct 5, Fairmount.....	698	430	
Big Creek precinct.....	189			Precinct 6, Soap Creek.....	355	272	
Bourne precinct, including Bourne town.....	220	592		Precinct 7, Kings Valley.....	353	354	
Bourne town.....	77			Precinct 8, Summit.....	200	119	
Bridgeport precinct.....	96	172		Precinct 9, Blodgett.....	247	211	
Clary precinct.....	176	279		Precinct 10, Wren.....	142	192	
Clifford precinct, <sup>5</sup> including Whitney town.....	123			Precinct 11, Philomath, <sup>24</sup> including part of Philomath city.....	708	953	
Whitney town.....	55			Philomath city (part of).....	400	343	
Connor Creek precinct.....	97	150		Total for Philomath city in precincts Nos. 11 and 12.....	505	345	
Copper Butte precinct.....	86	103		Precinct 12, Willamette.....	409	407	
Cornucopia precinct.....	132	359		Precinct 13, Alesa.....	518	355	
Depot precinct, including ward 4 and part of ward 3 of Baker City.....	2,086	69		Precinct 14, Bellfountain.....	588	560	
Baker City (part of).....	2,018			Precinct 15, Monroe.....	523	428	
Eagle Valley precinct, <sup>7</sup> including Richland town.....	1,108	766		Precinct 16, West Philomath, <sup>24</sup> including part of Philomath city.....	661	105	
Richland town.....	834			Philomath city (part of).....	105		
East Eagle precinct.....	18	38		<b>Clackamas County</b> .....	<b>29,931</b>	<b>19,658</b>	<b>25,233</b>
Elkhorn precinct.....	114	185		Abernathy precinct.....	1,959	1,111	
Express precinct.....	521	417		Barlow precinct, including Barlow city.....	551	329	
Greenhorn precinct, <sup>10</sup> including Greenhorn town.....	50			Barlow city.....	69		
Greenhorn town.....	28			Beaver Creek precinct.....	599	609	564
Haines precinct, <sup>11</sup> including Haines town.....	861	323		Boring precinct.....	774	262	
Haines town.....	423			Bull Run precinct.....	374	280	107
Huntington precinct, including Huntington town.....	997	1,014		Canby precinct, including Canby city.....	1,216	757	787
Huntington town.....	680	821	321	Canby city.....	287	372	
Iron Dyke precinct, <sup>7</sup> including Copperfield town.....	949	102		Canemah precinct.....	609	517	416
Copperfield town.....	250			Canyon Creek precinct.....	295	100	150
McEwen precinct.....	202	292		Cascades precinct.....	1,068	499	609
North Sumpter precinct, including part of Sumpter city.....	267	678		Cherryville precinct.....	196	126	103
Sumpter city (part of).....	236	(11)		Clackamas precinct.....	730	723	608
Total for Sumpter city <sup>12</sup> in North and South Sumpter precincts.....	645			Damascus precinct.....	988	674	676
Pine precinct No. 1, <sup>13</sup> including part of Halfway town.....	674			Eagle Creek precinct.....	570	392	421
Halfway town (part of).....	136			Estacada precinct, <sup>15</sup> including Estacada city.....	1,263	247	245
Total for Halfway town <sup>13</sup> in Pine precincts Nos. 1 and 2.....	188			Estacada city.....	406		
Pine precinct No. 2, <sup>13</sup> including part of Halfway town.....	700			George precinct.....	242	141	143
Halfway town (part of).....	50			Harding precinct.....	551	480	404
Pocahontas precinct.....	333	330		Harmony precinct.....	606		
Rock Creek precinct.....	628	447		Highland precinct.....	688	437	402
Rye Valley precinct.....	154	142		Killin precinct.....	586		
South Baker precinct, including part of ward 3 of Baker City.....	933	506		Macksburg precinct.....	710	477	(25)
Baker City (part of).....	576			Maple Lane precinct.....	668	454	
South Sumpter precinct, including part of Sumpter city.....	387	1,179		Marquam precinct.....	520	824	(26)
Sumpter city (part of).....	567	1,151		Milk Creek precinct.....	450	432	275
Sparta precinct.....	123	171		Milwaukee precinct, <sup>21</sup> coextensive with Milwaukee town.....	800	1,002	907
Virtue precinct.....	308	257		Milwaukee town.....	800		
Weatherly precinct.....	164	317		Molalla precinct.....	830	633	552
Wingville precinct.....	73	145		Needy precinct.....	789	642	(27)
	196	187		New Era precinct.....	611	473	384
				Oak Grove precinct.....	1,520		
				Oregon City precincts Nos. 1 to 3, coextensive with Oregon City.....	4,287	3,494	3,167
				Oregon City.....	4,287	3,494	3,062
				Ward 1.....	1,306		
				Ward 2.....	1,475		
				Ward 3.....	1,410		

<sup>1</sup> Part of Union County annexed in 1902.  
<sup>2</sup> County total includes population (162) of North Powder precinct, annexed to Haines and Rock Creek precincts; population (538) of Parker precinct, parts taken to form Clifford and Greenhorn precincts and part annexed to Greenhorn precinct since 1900; and population (6,663) of Baker City, returned independently in 1900; but is exclusive of population (1,773) of Bed Rock, Copper Butte, Cornucopia, Eagle Valley, East Eagle, Iron Dyke, and Sparta precincts, taken from Union County since 1900.  
<sup>3</sup> No comparison of population can be made; numerous changes made between 1890 and 1900.  
<sup>4</sup> Baker precincts Nos. 1 to 4 returned as Baker precinct No. 1 in 1900. Part taken to form part of Big Creek precinct in 1902.  
<sup>5</sup> Exclusive of population of Baker City.  
<sup>6</sup> Baker precincts Nos. 1 to 4 returned as Baker precinct No. 1 in 1900.  
<sup>7</sup> Taken from Union County in 1902.  
<sup>8</sup> Organized from parts of Baker precinct No. 1 and Virtue precinct and part of territory taken from Union County, in 1902.  
<sup>9</sup> Incorporated in 1900.  
<sup>10</sup> Clifford and Greenhorn precincts organized from parts of Parker precinct in 1903; the remainder of Parker precinct annexed to Greenhorn precinct in 1907.  
<sup>11</sup> Incorporated in 1901.  
<sup>12</sup> Incorporated in 1904.  
<sup>13</sup> Taken from Union County in 1902 and Sanger precinct, formerly in Union County, annexed in 1907.  
<sup>14</sup> Name changed from Willows in 1907.  
<sup>15</sup> Incorporated in 1903.  
<sup>16</sup> Part of North Powder precinct annexed in 1907.  
<sup>17</sup> Incorporated in 1909.  
<sup>18</sup> Not returned separately in 1900.  
<sup>19</sup> Incorporated as a city in 1901.  
<sup>20</sup> Organized in 1903 from part of Pine Valley precinct, taken from Union County in 1902.  
<sup>21</sup> Part taken to form part of Big Creek precinct in 1902.  
<sup>22</sup> No comparison of population can be made; county restricted between 1890 and 1900.  
<sup>23</sup> Parts of precincts Nos. 2 and 3 annexed to Corvallis city in 1903.  
<sup>24</sup> Precinct No. 16 organized from part of precinct No. 11 in 1908.  
<sup>25</sup> County total includes population (1,583) of Macksburg, Marquam, and Needy precincts, not returned separately in 1890.  
<sup>26</sup> Returned as Seivers in 1900.  
<sup>27</sup> Harmony precinct organized from part of Clackamas precinct in 1905.  
<sup>28</sup> Returned as Garfield in 1900.  
<sup>29</sup> Incorporated in 1905.  
<sup>30</sup> Killin precinct organized from part of Marquam precinct in 1901.  
<sup>31</sup> Oak Grove precinct organized from part of Milwaukee precinct in 1905.



TABLE I.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Curry County</b> .....	<b>2,044</b>	<b>1,868</b>	<b>1,709</b>	<b>Grant County</b> .....	<b>5,607</b>	<b>12 5,948</b>	<b>12 5,080</b>
Big Bend precinct.....	125	84	.....	Austin precinct, including Austin town.....	207	60	28
Chelco precinct.....	230	257	.....	Austin town <sup>12</sup> .....	144	.....	.....
Eckley precinct.....	42	65	.....	Bear Valley precinct <sup>14</sup> .....	146	114	188
Floras Creek precinct.....	851	375	.....	Canyon City precinct, <sup>15</sup> including Canyon City town.....	505	490	382
Gold Beach precinct.....	172	118	.....	Canyon City town.....	584	545	304
Jerrys Flat precinct.....	101	161	.....	Forty-nine precinct <sup>16</sup> .....	11	.....	.....
Mountain precinct.....	80	37	.....	Fox precinct.....	238	258	244
Mule Creek precinct.....	59	42	.....	Granite precinct, <sup>17</sup> including Granite town.....	148	836	249
Ophir precinct.....	71	100	.....	Granite town.....	39	245	.....
Pistol River precinct.....	68	69	.....	Hamilton precinct.....	342	305	352
Port Orford precinct.....	268	274	.....	John Day precinct, including John Day city.....	399	382	331
Quosaten precinct.....	60	45	.....	John Day city.....	283	282	211
Sires River precinct.....	141	111	.....	Long Creek precinct, including Long Creek town.....	450	524	533
Wedderburn precinct.....	75	127	.....	Long Creek town.....	88	123	60
<b>Douglas County</b> .....	<b>19,674</b>	<b>14,565</b>	<b>11,864</b>	Marysville precinct.....	181	235	227
Bohemia precinct <sup>1</sup> .....	12	.....	.....	Middle precinct.....	367	305	200
Calapooia precinct, including Oakland city.....	1,021	971	1,537	North Fork precinct, including Monument town.....	450	823	179
Oakland city.....	467	368	339	Monument town <sup>18</sup> .....	119	.....	.....
Comas Valley precinct.....	314	360	254	Quartzburg precinct <sup>19</sup> .....	40	.....	.....
Canyonville precinct, <sup>2</sup> including Canyonville town.....	405	601	600	Rosebud precinct.....	100	108	135
Canyonville town <sup>3</sup> .....	149	.....	.....	Silvies precinct <sup>14</sup> .....	67	.....	.....
Civil Bend precinct.....	438	476	352	South Fork precinct.....	398	297	192
Coles Valley precinct <sup>4</sup> .....	264	345	(*)	Susarville precinct.....	280	270	52
Comstock precinct.....	321	449	.....	Union precinct, <sup>19</sup> including Prairie City town.....	1,012	840	760
Cow Creek precinct.....	334	248	93	Prairie City town.....	548	219	222
Days Creek precinct <sup>5</sup> .....	237	.....	.....	Warm Springs precinct.....	218	217	293
Deer Creek precinct, including part of Roseburg city.....	1,253	661	2,365	Willows precinct.....	129	129	.....
Roseburg city (part of).....	734	312	1,472	<b>Harney County</b> .....	<b>4,059</b>	<b>2,598</b>	<b>12,559</b>
Total for Roseburg city in Deer Creek, Roseburg, Umpqua, and West Roseburg precincts.....	4,738	1,650	1,472	Alvord precinct.....	60	55	.....
East Umpqua precinct.....	238	209	245	Burns precinct, including Burns city.....	1,200	719	.....
Elkton precinct.....	443	443	512	Burns city.....	804	547	264
Gardiner precinct, <sup>6</sup> including Gardiner town.....	924	844	828	Calow precinct.....	26	51	.....
Gardiner town.....	591	282	229	Cold Springs precinct <sup>20</sup> .....	31	.....	.....
Glendale precinct, including Glendale city.....	1,046	414	449	Crane Creek precinct <sup>20</sup> .....	349	88	.....
Glendale city <sup>6</sup> .....	840	.....	.....	Diamond precinct.....	246	133	.....
Kellogg precinct.....	141	215	.....	Drewsey precinct, including Drewsey town.....	116	55	.....
Lookingglass precinct.....	306	393	349	Drewsey town <sup>21</sup> .....	272	192	.....
Melrose precinct <sup>7</sup> .....	316	.....	.....	Happy Valley precinct <sup>22</sup> .....	32	.....	.....
Millwood precinct.....	101	157	193	Harney precinct, including Harney city.....	37	136	.....
Mount Scott precinct.....	109	179	.....	Harney city.....	327	275	.....
Myrtle Creek precinct, including Myrtle Creek town.....	1,315	829	652	Island precinct.....	63	82	140
Myrtle Creek town.....	129	189	.....	Lake precinct.....	139	85	.....
Oakland precinct <sup>4</sup> .....	773	333	.....	Pine Creek precinct.....	241	200	.....
Olalla precinct <sup>8</sup> .....	311	300	.....	Polson Creek precinct.....	162	92	.....
Pass Creek precinct, including Drain town.....	1,169	895	245	Pueblo precinct.....	142	70	.....
Drain town.....	335	193	1,440	Saddle Butte precinct.....	225	64	.....
Pardue precinct.....	291	130	.....	Silvies precinct.....	208	162	.....
Riddle precinct, including Riddle town.....	514	677	316	Warm Spring precinct.....	29	37	.....
Riddle town.....	187	131	.....	Wild Horse precinct.....	159	69	.....
Roseburg precinct, including part of Roseburg city.....	1,555	1,030	.....	<b>Hood River County</b> <sup>23</sup> .....	<b>8,016</b>	.....	.....
Roseburg city (part of).....	1,536	963	.....	Baldwin precinct.....	.....	.....	.....
Scottsburg precinct.....	286	216	215	East Hood River precinct, including part of Hood River city.....	1,084	.....	.....
Umpqua precinct, including part of Roseburg city.....	1,758	803	.....	Hood River city (part of).....	1,024	.....	.....
Roseburg city (part of).....	1,259	243	.....	Total for Hood River city <sup>23</sup> in East Hood River, Hood River Center, and West Hood River precincts.....	2,351	766	201
West Roseburg precinct, including part of Roseburg city.....	1,946	759	.....	Falls precinct.....	819	.....	.....
Roseburg city (part of).....	1,409	472	.....	Hood River Center precinct, including part of Hood River city.....	1,687	.....	.....
Wilbur precinct.....	254	372	(*)	Hood River city (part of).....	1,294	.....	.....
Yoncalla precinct, including Yoncalla city.....	1,016	867	455	Odell precinct.....	726	.....	.....
Yoncalla city <sup>9</sup> .....	253	.....	.....	South Hood River precinct.....	1,345	.....	.....
<b>Gilliam County</b> .....	<b>2,701</b>	<b>2,201</b>	<b>10 2,800</b>	West Hood River precinct, including part of Hood River city.....	1,331	.....	.....
Arlington precinct, including Arlington city.....	408	498	594	Hood River city (part of).....	764	.....	.....
Arlington city.....	317	388	556	<b>Jackson County</b> .....	<b>25,756</b>	<b>13,698</b>	<b>11,455</b>
Balock precinct.....	277	229	222	Antioch precinct.....	274	.....	.....
Condon precinct, including Condon city.....	1,135	530	224	Applegate precinct.....	318	333	.....
Condon city <sup>11</sup> .....	1,009	250	.....	Barron precinct.....	572	470	.....
Ferry Canyon precinct.....	413	266	152	Big Butte precinct.....	436	294	.....
Idea precinct.....	51	98	92	Central Point precinct, including Central Point town.....	1,124	404	.....
Lonerock precinct, including Lonerock city.....	191	226	221	Central Point town.....	767	322	534
Lonerock city <sup>12</sup> .....	70	.....	.....	Climax precinct.....	98	196	.....
Mastney precinct.....	94	123	126	Eagle Point precinct.....	782	594	.....
Mayville precinct.....	335	439	521	<b>and population (654 in 1890) of Haystack, Mountain Creek, Rook Creek, Blue Fly, and Waterman precincts, taken to form part of Wheeler County, between 1890 and 1900.</b>	.....	.....	.....
Rock Creek precinct.....	507	467	406	<sup>12</sup> Incorporated in 1908.	.....	.....	.....
Trail Fork precinct.....	127	171	252	<sup>13</sup> Silvies precinct organized from part of Bear Valley precinct in 1905.	.....	.....	.....
Willow Creek precinct.....	163	154	.....	<sup>14</sup> Returned as Canyon in 1900.	.....	.....	.....

<sup>1</sup> No comparison of population can be made; numerous changes made between 1890 and 1900.  
<sup>2</sup> County total includes population (209) of Lake precinct, annexed to Gardiner precinct since 1900.  
<sup>3</sup> County total includes population (734) of Coles Valley and Wilbur precincts, not returned separately in 1890.  
<sup>4</sup> Bohemia precinct organized from part of Oakland precinct in 1901.  
<sup>5</sup> Days Creek precinct organized from part of Canyonville precinct in 1903.  
<sup>6</sup> Incorporated in 1901.  
<sup>7</sup> Melrose precinct organized from part of Coles Valley precinct in 1905.  
<sup>8</sup> Lake precinct annexed in 1903.  
<sup>9</sup> Name changed from Ten Mile in 1900.  
<sup>10</sup> County total includes population (790) of Butte Creek, Crown Rock, and Rowe Creek precincts, taken to form part of Wheeler County between 1890 and 1900.  
<sup>11</sup> Incorporated as a city in 1905.  
<sup>12</sup> County totals include population (177 in 1900; 52 in 1890) of Olive Creek precinct, part taken to form Forty-nine precinct and part annexed to Granite precinct since 1900; population (29 in 1890) of Silvies precinct, annexed to Bear Valley pre-

.....  
<sup>15</sup> Incorporated in 1908.  
<sup>16</sup> Silvies precinct organized from part of Bear Valley precinct in 1905.  
<sup>17</sup> Returned as Canyon in 1900.  
<sup>18</sup> Organized from part of Olive Creek precinct in 1903.  
<sup>19</sup> Part of Olive Creek precinct annexed in 1908.  
<sup>20</sup> Incorporated in 1905.  
<sup>21</sup> Quartzburg precinct organized from part of Union precinct in 1903.  
<sup>22</sup> Cold Springs precinct organized from parts of Crane Creek and Happy Valley precincts in 1902.  
<sup>23</sup> Incorporated in 1900.  
<sup>24</sup> Organized from part of Wasco County in 1908.  
<sup>25</sup> Incorporated as a city in 1901.  
<sup>26</sup> Comparison of population for 1900 made by minor civil divisions wherever possible.

STATISTICS OF POPULATION.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Jackson County—Continued.</b>				<b>Klamath County—Continued.</b>			
East Ashland precinct, including part of ward 1 of Ashland city	1,824			Linkville precinct, including Klamath Falls town	4,019	852	787
Ashland city (part of)	1,713			Klamath Falls town	2,768	447	384
Total for Ashland city in East, South, and West Ashland precincts	5,080	2,654	1,784	Ward 1	190		
Ward 1	2,161			Ward 2	385		
Ward 2	1,160			Ward 3	387		
Ward 3	1,709			Ward 4	163		
Flounce Rock precinct	112	126		Ward 5	353		
Foots Creek precinct	187	148		Lost River precinct	343	187	363
Gold Hill precinct, including Gold Hill town	741	632		Odell precinct <sup>1</sup>	71		
Gold Hill town	483	385		Plevna precinct	384	239	340
Lake Creek precinct	201	223		Poe Valley precinct	237	156	141
Meadows precinct	98	99		Snow precinct	181	173	
Mound precinct	413	261		Sprague River precinct	175	145	119
North Jacksonville precinct, including part of Jacksonville city	555			Tule Lake precinct	945	336	194
Jacksonville city	387			Wood River precinct <sup>1</sup>	314	278	210
Total for Jacksonville city in North and South Jacksonville precincts	785	653	745	Klamath Indian Reservation	1,233	1,136	
North Medford precinct, including ward 3 and part of ward 1 of Medford city	4,758			<b>Lake County</b>			
Medford city (part of)	4,678				4,858	2,847	2,804
Total for Medford city in North and South Medford precincts	8,840	1,791	967	Cogswell Creek precinct	303	319	
Ward 1	2,687			Crooked Creek precinct	189	150	175
Ward 2	3,384			Drews Valley precinct	62	109	183
Ward 3	2,769			Goose Lake precinct	370	233	302
Phoenix precinct, including Phoenix town	849	463		North Lakeview precinct, comprising part of Lakeview town	576	527	
Phoenix town	250			Total for Lakeview town, coextensive with North and South Lakeview precincts	1,253	761	
Rock Point precinct	191	185		North Warner precinct	287	143	78
Roxy precinct	359	208		Paisley precinct	440	328	393
Sams Valley precinct	443	240		Silver Lake precinct	996	229	284
South Ashland precinct, including ward 3 of Ashland city	2,001			South Lakeview precinct, comprising part of Lakeview town	677	234	
Ashland city (part of)	1,709			South Warner precinct	237	218	116
South Jacksonville precinct, including part of Jacksonville city	543			Summer Lake precinct	137	120	106
Jacksonville city (part of)	393			Thomas Creek precinct	294	230	
South Medford precinct, including ward 2 and part of ward 1 of Medford city	4,658			<b>Lane County</b>			
Medford city (part of)	4,284				33,783	19,604	15,198
Starling precinct	84	130		Balley precinct	625	376	
Talent precinct	883	694		Blanton precinct	331	272	
Trail precinct	246	210		Blue River precinct <sup>10</sup>	164	88	
Union precinct	269	406		Bohemia precinct	316	154	
Watkins precinct	98	163		Camp Creek precinct	485	445	
West Ashland precinct, including ward 2 and part of ward 1 of Ashland city	1,675			Chesher precinct	148	161	
Ashland city (part of)	1,698			Coyote precinct	341	346	
Willow Springs precinct	243	300		Creswell precinct, including Creswell town	940	740	
Wimer precinct	278			Creswell town <sup>11</sup>	367		
Woodville precinct	468	189		East Cottage Grove precinct, including parts of wards 1 to 3 of Cottage Grove city	2,248	1,254	
<b>Josephine County</b>					1,233	632	
	9,967	7,517	4,878	Cottage Grove city (part of)	1,854	974	
Althouse precinct	417	368		Total for Cottage Grove city in East and West Cottage Grove precincts	1,854	974	
Galice Creek precinct	252	113		Ward 1	635		
Kerby precinct	304	630		Ward 2	408		
Leland precinct <sup>1</sup>	239	544		Ward 3	743		
Lucky Queen precinct	100	58		Ward 4	394	268	
Merlin precinct	787	592		Elmira precinct			
Murphy precinct	393	336		Fairmount precinct, <sup>12</sup> including part of ward 1 of Eugene city	1,271	500	
North Grants Pass precinct, including ward 2 and part of ward 1 of Grants Pass city	1,963	1,344		Eugene city (part of)	916		
Grants Pass city (part of)	1,763	1,125		Total for Eugene city, <sup>13</sup> comprising North and South Eugene precincts and part of Fairmount precinct	9,009	3,236	
Total for Grants Pass city in North, South, and West Grants Pass precincts	3,897	2,290	1,458	Ward 1	3,238		
Ward 1	1,058			Ward 2	1,361		
Ward 2	1,079			Ward 3	2,164		
Ward 3	730			Ward 4	2,268		
Ward 4	1,024			Fall Creek precinct	379	267	
Placer precinct <sup>2</sup>	180			Five Rivers precinct	102	84	
Selma precinct <sup>3</sup>	426	48		Florence precinct, including Florence town	1,054	605	
Slate Creek precinct	671	527		Florence town	311	222	
South Grants Pass precinct, including ward 3 and part of ward 4 of Grants Pass city	1,391	822		Gate Creek precinct	430	232	
Grants Pass city (part of)	1,087	674		Glentena precinct	45	65	
Waldo precinct	377	299		Goshen precinct	414	246	
West Grants Pass precinct, including parts of wards 1 and 4 of Grants Pass city	1,371	808		Hazel Dell precinct	395	95	
Grants Pass city (part of)	1,028	491		Hecata precinct	73	112	
Williams precinct	464	469		Hermann precinct	187	64	
Wolf Creek precinct	232	440		Irving precinct	653	280	
<b>Klamath County</b>					653	144	
	8,554	3,970	2,444	Lake Creek precinct	184	175	
Dairy precinct	311	221	231	Lane precinct	283	307	
Klamath Lake precinct	138	52	59	Long Tom precinct	271	298	
Langel Valley precinct	203	185		Lost Valley precinct	334	206	
				Mabel precinct	92	106	
				Mapleton precinct	217	293	
				Middle Fork precinct	631	69	
				Mohawk precinct <sup>14</sup>	980	692	
				Mound precinct	67	140	
				North Eugene precinct, comprising wards 2 and 3 of Eugene city	3,515	1,672	

<sup>1</sup> Incorporated as a city in 1909.  
<sup>2</sup> County total includes population (115) of Mount Reuben precinct, annexed to Leland precinct since 1900.  
<sup>3</sup> No comparison of population can be made; county redistricted between 1890 and 1900.  
<sup>4</sup> Part taken to form Placer precinct in 1904; Mount Reuben precinct annexed in 1908.  
<sup>5</sup> Organized from part of Leland precinct in 1904.  
<sup>6</sup> Name changed from Oak Flat in 1902.  
<sup>7</sup> Odell precinct organized from part of Wood River precinct in 1903.

<sup>8</sup> County total includes population (83) of East Warner precinct, annexed to North and South Warner precincts; population (775) of Lakeview precinct, taken to form North and South Lakeview precincts; and population (69) of New Pine Creek precinct, taken to form part of Cogswell Creek precinct, between 1890 and 1900.  
<sup>9</sup> County total includes population (43) of McKenzie precinct, annexed to Blue River precinct since 1900.  
<sup>10</sup> McKenzie precinct annexed in 1903.  
<sup>11</sup> Incorporated in 1909.  
<sup>12</sup> Part of Fairmount precinct annexed to Eugene city in 1905.  
<sup>13</sup> Part taken to form Wendling precinct in 1901.



# STATISTICS OF POPULATION.

**TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.**

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Marion County—Continued.</b>				<b>Multnomah County</b> . . . . .			
Chemawa precinct . . . . .	2,043			Precincts Nos. 1 to 89, 95, and 96, comprising wards 1 to 6, 9 and 10, and parts of 7 and 8 of Portland city . . . . .	226,261	110,187	74,884
East Salem precinct . . . . .	429			Total for Portland city, <sup>12</sup> comprising precincts Nos. 1 to 89, 95, and 96, and parts of precincts Nos. 92 to 94, and 97 . . . . .	203,534		
Elkhorn precinct . . . . .	52			Ward 1 . . . . .	207,214	90,426	46,886
Fairfield precinct . . . . .	253			Ward 2 . . . . .	8,245		
Gervais precinct, including Gervais town . . . . .	897			Ward 3 . . . . .	16,937		
Gervais town . . . . .	276	224		Ward 4 . . . . .	16,541		
Horeb precinct . . . . .	193			Ward 5 . . . . .	17,279		
Howell precinct . . . . .	803			Ward 6 . . . . .	19,285		
Hubbard precinct, including Hubbard city . . . . .	708			Ward 7 . . . . .	9,397		
Hubbard city . . . . .	285	215	117	Ward 8 . . . . .	29,026		
Jefferson precinct, including Jefferson city . . . . .	887			Ward 9 . . . . .	37,143		
Jefferson city . . . . .	415	273	507	Ward 10 . . . . .	24,183		
Liberty precinct . . . . .	1,305			Precinct No. 90, St. Johns, comprising part of St. Johns city . . . . .	3,001		
Macleay precinct . . . . .	441			Total for St. Johns city, <sup>13</sup> coextensive with precincts Nos. 90 and 91 . . . . .	4,872		
Marion precinct . . . . .	564			Precinct No. 91, St. Johns, comprising part of St. Johns city . . . . .	1,871		
Mehama precinct . . . . .	298			Precinct No. 92, Columbia, including part of ward 8 of Portland city . . . . .	459		
Mill City precinct . . . . .	490			Portland city (part of) . . . . .	8		
Monitor precinct . . . . .	816			Precinct No. 93, Russellville, including part of ward 8 of Portland city . . . . .	1,284		
Mount Angel precinct, including Mount Angel town . . . . .	1,217			Portland city (part of) . . . . .	789		
Mount Angel town . . . . .	545	537		Precinct No. 94, Woodstock, including part of ward 8 of Portland city . . . . .	2,854		
North Silverton precinct . . . . .	1,021			Portland city (part of) . . . . .	2,072		
Rosedale precinct . . . . .	591			Precinct No. 97, Arleta, including part of ward 7 of Portland city . . . . .	2,991		
St. Paul precinct, including St. Paul city . . . . .	530			Portland city (part of) . . . . .	811		
St. Paul city . . . . .	103			Precinct No. 98, Lents . . . . .	1,060		
Salem precincts 1 to 7, coextensive with Salem city . . . . .	14,094			Precinct No. 99, Fairview, including Fairview city . . . . .	486		
Salem city . . . . .	14,094	4,258		Fairview city . . . . .	204		
Ward 1 . . . . .	1,250			Precinct No. 100, Rockwood . . . . .	344		
Ward 2 . . . . .	2,063			Precinct No. 101, Gresham, including Gresham city . . . . .	1,410		
Ward 3 . . . . .	1,080			Gresham city . . . . .	240		
Ward 4 . . . . .	2,423			Precinct No. 102, Troutdale, including Troutdale city . . . . .	648		
Ward 5 . . . . .	1,323			Troutdale city . . . . .	309		
Ward 6 . . . . .	4,041			Precinct No. 103, Powell Valley . . . . .	795		
Ward 7 . . . . .	1,589			Precinct No. 104, Harburt . . . . .	607		
Scotts Mills precinct . . . . .	632			Precinct No. 105, Bridal Veil . . . . .	730		
Silvery precinct . . . . .	288			Precinct No. 106, Palmer . . . . .	190		
Silver Falls precinct . . . . .	255			Precinct No. 107, Sauvie Island . . . . .	183		
Silverton precinct, coextensive with Silverton city . . . . .	1,588			Precinct No. 108, Holbrook . . . . .	379		
Silverton city . . . . .	1,588	658	511	Precinct No. 109, Linnton . . . . .	1,165		
South Silverton precinct . . . . .	871			Precinct No. 110, Sylvan . . . . .	417		
Stayton precinct, including Stayton town . . . . .	1,152			Precinct No. 111, Mount Zion . . . . .	280		
Stayton town . . . . .	705	324	581	Precinct No. 112, Bertha . . . . .	446		
Sublimity precinct, including Sublimity town . . . . .	776			Precinct No. 113, Riverdale . . . . .	201		
Sublimity town . . . . .	193			Precinct No. 114, West Portland . . . . .	314		
Turner precinct, including Turner city . . . . .	898						
Turner city . . . . .	191						
Woodburn precinct, including Woodburn city . . . . .	2,252						
Woodburn city . . . . .	1,616	828	405				
<b>Morrow County</b> . . . . .				<b>Polk County</b> . . . . .			
Alpine precinct . . . . .	137	62	183	Bridgeport precinct . . . . .	382	372	610
Ceell precinct . . . . .	155	131	160	Buena Vista precinct . . . . .	425	360	399
Dairy precinct, including Hardman town . . . . .	465	312	407	Douglas precinct . . . . .	519	379	308
Hardman town . . . . .	191			East Dallas precinct, including ward 1 and parts of wards 2 and 3 of Dallas city . . . . .	1,481	931	
Dry Fork precinct . . . . .	142	157	129	Dallas city (part of) . . . . .	1,077	594	
Eight Mile precinct . . . . .	229	269	445	Total for Dallas city in East, North, and South Dallas precincts . . . . .	2,124	1,271	348
Gentry precinct, including part of Heppner city . . . . .	274	340		Ward 1 . . . . .	895		
Heppner city (part of) . . . . .	112	240		Ward 2 . . . . .	870		
Total for Heppner city <sup>1</sup> in Gentry, Heppner, Mateson, and Mount Vernon precincts . . . . .	880	1,140	676	Ward 3 . . . . .	419		
Heppner precinct, including part of Heppner city . . . . .	436	920	1,387	Bola precinct . . . . .	944	757	527
Heppner city (part of) . . . . .	174	504		Falls City precinct, including Falls City town . . . . .	1,917	481	
Irrigon precinct . . . . .	190			Falls City town . . . . .	969	269	
Lena precinct . . . . .	186	213	243	Jackson precinct . . . . .	562	592	537
Lexington precinct, including Lexington city . . . . .	381	406	(*)	Lueckamute precinct . . . . .	804	665	664
Lexington city . . . . .	185			McCoy precinct . . . . .	360	354	370
Matteson precinct, including part of Heppner city . . . . .	429	82	264	North Dallas precinct, including part of ward 3 of Dallas city . . . . .	683	627	
Heppner city (part of) . . . . .	172			Dallas city (part of) . . . . .	258	231	
Mount Vernon precinct, including part of Heppner city . . . . .	621	512		North Independence precinct, <sup>17</sup> including part of Independence city . . . . .	923	1837	
Heppner city (part of) . . . . .	423	312		Independence city (part of) . . . . .	632	598	
North Ione precinct, <sup>18</sup> including part of Ione city . . . . .	110			Total for Independence city in North and South Independence precincts . . . . .	1,160	909	
Ione city (part of) . . . . .	4						
Total for Ione city in North and South Ione precincts . . . . .	259	223					
Pine City precinct . . . . .	111		81				
South Ione precinct, <sup>19</sup> including part of Ione city . . . . .	393						
Ione city (part of) . . . . .	235						
Wells Spring precinct . . . . .	95	50	(*)				

<sup>1</sup> Incorporated in 1901.  
<sup>2</sup> Parts of Chemawa and East Salem precincts annexed in 1910.  
<sup>3</sup> Incorporated in 1903.  
<sup>4</sup> Incorporated in 1905.  
<sup>5</sup> County totals include population (587 in 1900; 339 in 1890) of Ione precinct, taken to form North and South Ione precincts since 1900; population (63 in 1890) of Castle Rock precinct, annexed to Wells Spring precinct between 1890 and 1900; and population (441 in 1890) of Lexington and Wells Spring precincts, not returned separately in 1890.  
<sup>6</sup> Incorporated in 1904.  
<sup>7</sup> Returned in 1900 as in Gentry, Heppner, and Mount Vernon precincts only.  
<sup>8</sup> Irrigon precinct organized from part of Wells Spring precinct in 1904.  
<sup>9</sup> Not returned separately in 1890.  
<sup>10</sup> Organized from part of Ione precinct in 1902.  
<sup>11</sup> No comparison of population can be made; county redistricted in 1907.

<sup>12</sup> Precincts 95 and 96 and parts of precincts 92, 93, 94, and 97 annexed in 1909, parts of precincts 90 and 93 annexed in 1905, and parts of precinct 92 annexed in 1907 and 1908.  
<sup>13</sup> Incorporated in 1908.  
<sup>14</sup> Incorporated in 1907.  
<sup>15</sup> County total includes population (367) of Middle Independence precinct, annexed to North Independence precinct since 1900.  
<sup>16</sup> County total includes population (1,532) of Dallas precinct, taken to form East, North, and South Dallas precincts; population (1,061) of Independence precinct, taken to form Middle, North, and South Independence precincts; and population (866) of Monmouth precinct, taken to form North and South Monmouth precincts, between 1890 and 1900.  
<sup>17</sup> Middle Independence precinct annexed in 1901.  
<sup>18</sup> Exclusive of population of that part of Independence city in Middle Independence precinct in 1900.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census, 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Polk County—Continued.</b>				<b>Umatilla County</b> ..... 20,809    18,049    13,381			
North Monmouth precinct, including part of Monmouth town.....	382	493		Adams precinct, including Adams town.....	417	592	
Monmouth town (part of).....	231	319		Adams town.....	205	265	
Total for Monmouth town in North and South Monmouth precincts.....	493	606		Alba precinct.....	139	194	
Rickreall precinct.....	447	47	411	Bingham Springs precinct.....	68	50	
Rock Creek precinct.....	39	98		Cottonwood precinct <sup>1</sup> .....	168	246	
Salt Lake precinct.....	343	266	223	East Pendleton precinct, <sup>7</sup> comprising ward 1 of Pendleton city.....	972	1,010	
South Dallas precinct, including parts of wards 2 and 3 of Dallas city.....	1,068	541		Total for Pendleton city, consolidated with Pendleton, East, North, and South Pendleton precincts.....	4,460	4,408	2,508
Dallas city (part of).....	809	446		Ward 1.....	1,158		
South Independence precinct, including part of Independence city.....	790	553		Ward 2.....	1,153		
Independence city (part of).....	523	315		Ward 3.....	1,203		
South Monmouth precinct, including part of Monmouth town.....	492	495		East Weston precinct, including part of Weston city.....	506	593	
Monmouth town (part of).....	282	287		Weston city (part of).....	558	550	
Spring Valley precinct.....	447	391	382	Total for Weston city in East Weston and Weston precincts.....	499	668	563
Beaver precinct.....	188	214	168	Echo precinct, <sup>8</sup> including Echo city.....	767	250	
Grande Ronde Indian Reservation (part of).....	188	162		Echo city <sup>9</sup> .....	400		
Total for Grande Ronde Indian Reservation in Polk and Yamhill Counties.....	368	402		Encampment precinct.....	99	465	
				Fairview precinct <sup>10</sup> .....	141		
<b>Sherman County</b> ..... 4,242    3,477    1,792				Ferndale precinct <sup>11</sup> .....	862		
Biggs precinct <sup>1</sup> .....	167			Fulton precinct.....	340	525	
Bigelow precinct.....	151	227	123	Gilliland precinct.....	210	173	
Grant precinct <sup>1</sup> .....	213	359	300	Helix precinct, including Helix city.....	244	393	
Grass Valley precinct, including Grass Valley city.....	1,250	966	186	Helix city <sup>12</sup> .....	109		
Grass Valley city <sup>2</sup> .....	342			Hermiston precinct, <sup>8</sup> including Hermiston city.....	917		
Kent precinct.....	437	259		Hermiston city <sup>13</sup> .....	647		
Monkland precinct.....	288	148	283	Hogue precinct.....	188	102	
Moro precinct, including Moro city.....	712	644	243	Holdman precinct <sup>14</sup> .....	370		
Moro city.....	378	356		Juniper precinct <sup>15</sup> .....	158	395	
Rutledge precinct.....	154	193		McKay precinct.....	653	536	
Wasco precinct, <sup>1</sup> including Wasco city.....	870	951	657	Mountain precinct <sup>16</sup> .....	254	194	
Wasco city.....	388	322		North Athena precinct, including part of Athena city.....	648	918	
				Athena city (part of).....	474	599	
<b>Tillamook County</b> ..... 6,868    4,471    2,932				Total for Athena city in North and South Athena precincts.....	588	703	496
Barnegat precinct.....	90	25		North Milton precinct, <sup>11</sup> including Freewater city and part of Milton town.....	1,687	1,554	
Bay precinct, including Bay City town.....	416	337	218	Freewater city <sup>16</sup> .....	522		
Bay City town.....	281	203		Milton town (part of).....	394	282	
Beaver precinct.....	271	220	174	Total for Milton town in North and South Milton precincts.....	1,280	804	544
Blaine precinct.....	169	150		North Pendleton precinct, <sup>7</sup> comprising ward 2 of Pendleton city.....	1,152	701	
Carnahan precinct.....	128	77	91	North Reservation precinct <sup>17</sup> .....	750		
Dolph precinct.....	70	87	66	Pendleton precinct, <sup>7</sup> comprising ward 3 of Pendleton city.....	1,133	1,652	
Fairview precinct.....	467	435		Pilot Rock precinct, <sup>18</sup> including Pilot Rock city.....	894	813	
Foley precinct.....	286	83	90	Pilot Rock city <sup>19</sup> .....	197		
Garibaldi precinct.....	314	223	183	Prospect precinct <sup>18</sup> .....	132		
Hebo precinct.....	263	262	159	Riverside precinct <sup>4</sup> .....	50		
Hogwarton precinct, including wards 3 and 4 and part of ward 5 of Tillamook city.....	902	526	911	Ruddock precinct.....	51	77	
Tillamook city (part of).....	657	368		South Athena precinct, including part of Athena city.....	324	281	
Total for Tillamook city in Hogwarton and Tillamook precincts.....	1,552	834		Athena city (part of).....	112	107	
Ward 1.....	221			South Milton precinct, <sup>4</sup> including part of Milton town.....	1,311	1,095	
Ward 2.....	288			Milton town (part of).....	389	542	
Ward 3.....	216			South Pendleton precinct, <sup>7</sup> comprising ward 4 of Pendleton city.....	1,203	1,043	
Ward 4.....	239			South Reservation precinct <sup>17</sup> .....	527		
Ward 5.....	390			Stanfield precinct, <sup>8</sup> including Stanfield city.....	537		
Little Nestucca precinct.....	317	299	224	Stanfield city <sup>20</sup> .....	518		
Nehalem precinct, including Nehalem town.....	738	325	136	Ukiah precinct.....	258	410	
Nehalem town.....	119	59		Umatilla precinct, including Umatilla city.....	305	191	
Netarts precinct.....	50	109	153	Umatilla city <sup>21</sup> .....	183		
Sand Lake precinct.....	102	86		Union precinct <sup>22</sup> .....	157	452	
South Prairie precinct.....	456	338	174	Valley precinct.....	762	402	
Tillamook precinct, including wards 1 and 2 and part of ward 5 of Tillamook city.....	914	672		Van Sycle precinct.....	123	185	
Tillamook city (part of).....	695	472		Vinson precinct.....	128	143	
Union precinct.....	214	217	216	Weston precinct, <sup>10</sup> including part of Weston city.....	323	680	
				Weston city (part of).....	163	278	
				Willow Springs precinct.....	128	200	
				Youkum precinct.....	241	167	

<sup>1</sup> Biggs precinct returned as part of Grant and Wasco precincts in 1900.  
<sup>2</sup> Incorporated in 1903.  
<sup>3</sup> County total includes population (137) of Onion Peak precinct, annexed to Nehalem precinct between 1890 and 1900.  
<sup>4</sup> County total includes population (1,397) of Umatilla Indian Reservation, taken to form Reservation precinct (now North and South Reservation precincts) since 1900.  
<sup>5</sup> No comparison of population can be made; numerous changes made between 1890 and 1900.  
<sup>6</sup> Riverside precinct organized from parts of Cottonwood and South Milton precincts in 1905.  
<sup>7</sup> Pendleton precinct returned as part of East, North, and South Pendleton precincts in 1900.  
<sup>8</sup> Hermiston and Stanfield precincts organized from parts of Echo precinct in 1909.  
<sup>9</sup> Incorporated in 1904.

<sup>10</sup> Fairview precinct organized from parts of Mountain and Weston precincts in 1905.  
<sup>11</sup> Ferndale precinct organized from part of North Milton precinct in 1905.  
<sup>12</sup> Incorporated in 1903.  
<sup>13</sup> Incorporated in 1907.  
<sup>14</sup> Organized from parts of Juniper and Union precincts in 1903.  
<sup>15</sup> Part taken to form part of Holdman precinct in 1903.  
<sup>16</sup> Incorporated in 1902.  
<sup>17</sup> Organized from part of Reservation precinct (formerly Umatilla Indian Reservation) in 1905.  
<sup>18</sup> Name changed from Alta in 1902.  
<sup>19</sup> Organized from part of Union precinct in 1902.  
<sup>20</sup> Incorporated in 1910.  
<sup>21</sup> Incorporated in 1906.  
<sup>22</sup> Parts taken to form Prospect precinct in 1902 and part of Holdman precinct in 1908.



STATISTICS OF POPULATION.

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TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Union County<sup>1</sup>.....</b>	<b>16,191</b>	<b>16,070</b>	<b>12,044</b>	<b>Wallowa County—Continued.</b>			
Allice precinct <sup>4</sup> .....	364	501		Prairie Creek precinct.....	367	359	280
Antelope precinct.....	196	79		Promise precinct <sup>14</sup> .....	308	181	
Big Creek precinct <sup>1</sup> .....	227	267		Trout Creek precinct.....	230	297	233
Camp Carson precinct.....	8	40		Wallowa precinct, <sup>24</sup> including Wallowa town.....	1,629	1,010	620
Cove precinct, including Cove town.....	1,100	871		Wallowa town.....	798	245	
Cove town <sup>6</sup> .....	453			<b>Wasco County<sup>25</sup>.....</b>	<b>16,336</b>	<b>13,199</b>	<b>9,183</b>
Hilgard precinct <sup>6</sup> .....	217	640		Antelope precinct, <sup>27</sup> including Antelope city.....	414	770	
Imbler precinct <sup>4</sup> .....	410			Antelope city.....	176	249	
Island precinct, including Island City town.....	760	743		Bake Oven precinct.....	643		
Island City town <sup>8</sup> .....	166			Bigelow precinct, comprising parts of wards 1 and 2 of The Dalles city.....	1,605	1,022	
Kamela precinct <sup>6</sup> .....	99			Total for The Dalles city, comprising Bigelow and Trevitt precincts and parts of East, South, and West Dalles precincts.....	4,880	3,548	5,029
La Grande precinct No. 1, <sup>7</sup> including ward 1 of La Grande city.....	806	1,175		Ward 1.....	1,038		
La Grande city (part of).....	632			Ward 2.....	2,254		
Total for La Grande city, comprising La Grande precinct Nos. 1, 2, and parts of La Grande precincts Nos. 1, 5, and 4.....	4,843	2,991	2,688	Ward 3.....	1,688		
Ward 1.....	652			Ward 4.....	185		
Ward 2.....	1,542			Boyd precinct.....	185	294	
Ward 3.....	1,403			Columbia precinct.....	1,028	382	
Ward 4.....	1,468			Deschutes precinct.....	428	123	
La Grande precinct No. 2, <sup>9</sup> comprising ward 2 of La Grande city.....	1,342			Dufur precinct, including Dufur town.....	611	436	
La Grande precinct No. 3, <sup>9</sup> including ward 3 of La Grande city.....	1,408	73		Dufur town.....	623	358	
La Grande city (part of).....	1,408			East Dalles precinct, <sup>28</sup> including parts of wards 1 and 2 of The Dalles city.....	1,397	1,277	
La Grande precinct No. 4, <sup>10</sup> including ward 4 of La Grande city.....	1,846			The Dalles city (part of).....	749	750	1,586
La Grande city (part of).....	1,468			Eight Mile precinct.....	245	220	
La Grande precinct No. 5 <sup>11</sup> .....	519			Kingsley precinct.....	388	411	
North Elgin precinct, including part of Elgin city.....	1,228	946		Mosler precinct.....	684	373	
Elgin city (part of).....	728	290		Mountain precinct.....	174	149	
Total for Elgin city in North and South Elgin precincts.....	1,120	803	227	Nansene precinct.....	654	199	
North Powder precinct, including North Powder town.....	968	499		Oak Grove precinct.....	921	251	
North Powder town <sup>12</sup> .....	455			Ramsey precinct.....	352	210	
Perry precinct.....	266	360		Shaniko precinct, <sup>27</sup> including Shaniko town.....	1,094		
South Elgin precinct, <sup>4</sup> including part of Elgin city.....	1,238	1,137		Shaniko town <sup>29</sup> .....	495		
Elgin city (part of).....	592	313		South Dalles precinct, <sup>28</sup> including part of ward 2 of The Dalles city.....	800		
Starkey precinct.....	70	150		The Dalles city (part of).....	552		
Summerville precinct, <sup>4</sup> including Summerville town.....	784	1,227		Trevitt precinct, comprising parts of wards 1 and 3 of The Dalles city.....	1,006	944	
Summerville town.....	237	184	230	Tygh Valley precinct.....	1,227	507	
Union precinct No. 1, including part of Union city.....	1,205	793		Wamie precinct.....	421	419	
Union city (part of).....	700	387		West Dalles precinct, including parts of wards 1 and 3 of The Dalles city.....	1,586	1,236	
Total for Union city in Union precincts Nos. 1 and 2.....	1,485	927	604	The Dalles city (part of).....	968	346	1,434
Union precinct No. 2, including part of Union city.....	1,042	807		Warm Spring Indian Reservation (part of) [For total, see Crook County.].....	473	282	
Union city (part of).....	723	600		<b>Washington County.....</b>	<b>21,622</b>	<b>14,467</b>	<b>11,973</b>
<b>Wallowa County.....</b>	<b>8,364</b>	<b>5,538</b>	<b>3,661</b>	Banks precinct <sup>31</sup> .....	1,261	882	
Butte precinct <sup>14</sup> .....	95			Beavertown precinct.....	791	755	
Divide precinct.....	118	42		Beaverton precinct, including Beaverton town.....	1,215	894	
Enterprise precinct, including Enterprise town.....	1,703	865	617	Beaverton town.....	388	249	
Enterprise town.....	1,243	398	243	Buxton precinct.....	600	388	
Flora precinct <sup>15</sup> .....	320			Columbia precinct.....	749	724	
Grouse precinct <sup>16</sup> .....	308	179		Cornelius precinct, including Cornelius city.....	1,501	1,041	
Imnaha precinct <sup>17</sup> .....	216	182	83	Cornelius city.....	459	246	
Joseph precinct, including Joseph city.....	1,196	572	668	Dilley precinct.....	517	427	
Joseph city <sup>18</sup> .....	725	237	249	East Butte precinct.....	851	530	
Leap precinct <sup>19</sup> .....	252			East Cedar precinct <sup>22</sup> .....	721	611	
Lostine precinct, <sup>19</sup> including Lostine town.....	615	686	530	Gales Creek precinct.....	1,319	579	
Lostine town <sup>20</sup> .....	280			Gaston precinct <sup>24</sup> .....	924	609	
Lost Prairie precinct <sup>21</sup> .....	188	269	133	Mountain precinct.....	125	135	
Mud Creek precinct <sup>22</sup> .....	94			North Forest Grove precinct, including part of Forest Grove city.....	1,307	814	
Paradise precinct <sup>23</sup> .....	273	579	177	Forest Grove city (part of).....	532	371	
Park precinct.....	161	117		Total for Forest Grove city in North and South Forest Grove precincts.....	1,772	1,098	668
Pine Creek precinct <sup>14</sup> .....	161	200	169	North Hillsboro precinct, including part of Hillsboro city.....	1,293	698	
Pittsburg precinct <sup>17</sup> .....	45			Hillsboro city (part of).....	827	576	
Powwotka precinct <sup>24</sup> .....	85			Total for Hillsboro city in North and South Hillsboro precincts.....	2,016	980	

<sup>1</sup> Part annexed to Baker County in 1902.  
<sup>2</sup> County total includes population (2,721) of Bed Rock, Copper Butte, Cornucopia, Eagle Valley, East Eagle, Iron Dyke, Pine Valley, Sanger, and Sparta precincts, annexed to Baker County since 1900; and population (2,991) of La Grande city, returned independently in 1900.  
<sup>3</sup> No comparison of population can be made; numerous changes made between 1890 and 1900.  
<sup>4</sup> Imbler precinct organized from parts of Allice, South Elgin, and Summerville precincts in 1906.  
<sup>5</sup> Incorporated in 1904.  
<sup>6</sup> Kamela precinct organized from part of Hilgard precinct in 1902.  
<sup>7</sup> Parts taken to form La Grande precinct No. 4 in 1902 and part of La Grande precinct No. 5 in 1905.  
<sup>8</sup> Exclusive of population of La Grande city.  
<sup>9</sup> Part taken to form part of La Grande precinct No. 5 in 1905.  
<sup>10</sup> Organized from part of La Grande precinct No. 1 in 1902.  
<sup>11</sup> Organized from parts of La Grande precincts Nos. 1, 2, and 3 in 1905.  
<sup>12</sup> Incorporated in 1902.  
<sup>13</sup> County total includes population (151) of Three Buck precinct, taken to form Divide and Park precincts between 1890 and 1900.  
<sup>14</sup> Butte precinct organized from part of Pine Creek precinct in 1905.  
<sup>15</sup> Organized from parts of Lost Prairie and Paradise precincts in 1903.  
<sup>16</sup> Part taken to form part of Mud Creek precinct in 1903.

<sup>17</sup> Pittsburg precinct organized from part of Imnaha precinct in 1905.  
<sup>18</sup> Incorporated as a city in 1903.  
<sup>19</sup> Leap precinct organized from part of Lostine precinct in 1905.  
<sup>20</sup> Incorporated in 1903.  
<sup>21</sup> Parts taken to form parts of Flora and Mud Creek precincts in 1903.  
<sup>22</sup> Organized from parts of Grouse and Lost Prairie precincts in 1903.  
<sup>23</sup> Part taken to form part of Flora precinct in 1903.  
<sup>24</sup> Powwotka precinct organized from parts of Promise and Wallowa precincts in 1903.  
<sup>25</sup> Part taken to form Hood River County in 1908.  
<sup>26</sup> County total includes population (3,485) of Baldwin, East Hood River, Falls, South Hood River, Viento, and West Hood River precincts and Hood River city, taken to form Hood River County since 1900.  
<sup>27</sup> Shaniko precinct organized from part of Antelope precinct in 1901.  
<sup>28</sup> South Dalles precinct organized from part of East Dalles precinct in 1907.  
<sup>29</sup> Incorporated in 1901.  
<sup>30</sup> No comparison of population can be made; county redistricted between 1890 and 1900.  
<sup>31</sup> Name changed from Dairy in 1908.  
<sup>32</sup> Name changed from East Cedar Creek in 1906. Sherwood town returned with East Cedar Creek precinct in 1900.  
<sup>33</sup> Includes population of Sherwood town.  
<sup>34</sup> Name changed from Wapato in 1906.

TABLE I.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Precinct means election precinct. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Washington County—Continued.</b>				<b>Yamhill County—Continued.</b>			
Reedville precinct.....	1,261	646		Dundee precinct, including Dundee town.....	523	405	222
South Forest Grove precinct, including part of Forest Grove city.....	1,521	773		Dundee town.....	196	124	
Forest Grove city (part of).....	1,240	725		East Dayton precinct, including part of Dayton city.....	670	665	
South Hillsboro precinct, including part of Hillsboro city.....	1,646	916		Dayton city (part of).....	125	104	
Hillsboro city (part of).....	1,189	604		Total for Dayton city in East and West Dayton precincts.....	453	293	304
South Tualatin precinct.....	611	771		Fairlawn precinct, including parts of wards 1 and 2 of McMinnville city.....	773	609	
Washington precinct.....	931	898		McMinnville city (part of).....	374	76	
West Butte precinct.....	976	692		Grande Ronde precinct, <sup>10</sup> including part of Grande Ronde Indian Reservation.....	215		
West Cedar precinct, <sup>1</sup> including Sherwood town.....	1,052	714		Grande Ronde Indian Reservation (part of).....	182	250	
Sherwood town <sup>2</sup> .....	115	111		[For total, see Polk County.]			
<b>Wheeler County.....</b>	<b>2,484</b>	<b>2,443</b>		Lafayette precinct, including Lafayette city.....	689	606	634
Bridge Creek precinct.....	77	77		Lafayette city.....	412	359	305
Clarno precinct.....	134	120		Moores Valley precinct <sup>3</sup> .....	258		
Fossil precinct, including Fossil town.....	726	831		North McMinnville precinct, <sup>11</sup> including ward 3 and part of ward 2 of McMinnville city.....	1,168	661	1,099
Fossil town.....	421	288	163	McMinnville city (part of).....	974	487	432
Lost Valley precinct.....	51	73		North Newberg precinct, including parts of wards 1 to 3 of Newberg city.....	2,039	1,126	
Mitchell precinct, including Mitchell town.....	454	412		Newberg city (part of).....	1,229	468	
Mitchell town.....	210	135		Total for Newberg city in North and South Newberg precincts.....	2,260	945	514
Mountain precinct.....	82	93		Ward 1.....	818		
Rook Creek precinct.....	183	188		Ward 2.....	320		
Shoo Fly precinct <sup>4</sup> .....	280	207		Ward 3.....	322		
Spray precinct <sup>5</sup> .....	64	66		North Sheridan precinct, including part of Sheridan city.....	974	715	
Twickenham precinct.....	45	67		Sheridan city (part of).....	539	316	
Ward precinct.....	77	67		Total for Sheridan city in North and South Sheridan precincts.....	1,021	466	290
Waterman precinct.....	77	67		North Yamhill precinct, including part of Yamhill city.....	769	741	1,392
Winlock precinct.....	223	128		Yamhill city (part of).....	61	64	
<b>Yamhill County.....</b>	<b>18,285</b>	<b>13,420</b>	<b>7,092</b>	South McMinnville precinct, <sup>11</sup> including part of ward 1 of McMinnville city.....	1,007	903	1,296
Amity precinct, including Amity town.....	899	667	743	McMinnville city (part of).....	677	612	288
Amity town.....	407	292		South Newberg precinct, including parts of wards 1 to 3 of Newberg city.....	1,738	900	
Baker Creek precinct, including part of ward 2 of McMinnville city.....	705	634		Newberg city (part of).....	1,031	477	
McMinnville city (part of).....	375	235		South Sheridan precinct, including part of Sheridan city.....	697	277	
Total for McMinnville city in Baker Creek, Fairlawn, and North and South McMinnville precincts.....	2,400	1,420	1,328	Sheridan city (part of).....	432	160	
Ward 1.....	1,022			West Chehalam precinct.....	898	749	645
Ward 2.....	522			West Dayton precinct, including part of Dayton city.....	643	629	
Ward 3.....	780			Dayton city (part of).....	328	189	
Bellevue precinct.....	364	418	370	Whitson precinct.....	395	340	
Carlton precinct, <sup>6</sup> including Carlton city.....	811	561	509	Willanette precinct.....	664	472	377
Carlton city.....	386	145		Willamina precinct, <sup>12</sup> including Willamina city.....	757	392	433
Checowen precinct, <sup>7</sup> including part of Yamhill city.....	629	700		Willamina city.....	576		
Yamhill city (part of).....	264	190					
Total for Yamhill city <sup>8</sup> in Checowen and North Yamhill precincts.....	325	254					

<sup>1</sup> Name changed from West Cedar Creek in 1906.  
<sup>2</sup> Exclusive of population of Sherwood town.  
<sup>3</sup> Returned as in East Cedar Creek precinct in 1900.  
<sup>4</sup> Returned as Waldron in 1900.  
<sup>5</sup> Name changed from Wagner in 1901.  
<sup>6</sup> County total includes population (250) of part of Grande Ronde Indian Reservation, returned independently in 1900.  
<sup>7</sup> County total includes population (996) of Dayton precinct, taken to form East and West Dayton precincts; population (1,268) of East Chehalam precinct, taken

to form North and South Newberg precincts; and population (718) of Sheridan precinct, taken to form North and South Sheridan precincts, between 1890 and 1900.  
<sup>8</sup> Moores Valley precinct organized from parts of Carlton and Checowen precincts in 1905.  
<sup>9</sup> Name changed from North Yamhill in 1908.  
<sup>10</sup> Grande Ronde precinct organized from part of Willamina precinct in 1905.  
<sup>11</sup> Part of South McMinnville precinct annexed to North McMinnville precinct in 1905.  
<sup>12</sup> Incorporated in 1903.

STATISTICS OF POPULATION.

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TABLE 2.—POPULATION OF INCORPORATED PLACES: 1910, 1900, AND 1890.

CITY OR TOWN.	County.	1910	1900	1890	CITY OR TOWN.	County.	1910	1900	1890
Adams town.....	Umatilla.....	205	203	.....	Lakeview town.....	Lake.....	1,253	761	.....
Albany city.....	Linn.....	4,275	3,149	3,079	Lebanon city.....	Linn.....	1,820	922	829
Amity town.....	Yamhill.....	407	292	.....	Lexington city.....	Morrow.....	186	.....	.....
Antelope city.....	Wasco.....	176	249	.....	Lonecreek city.....	Gilliam.....	70	.....	.....
Arlington city.....	Gilliam.....	317	388	356	Long Creek town.....	Grant.....	80	123	60
Ashland city.....	Jackson.....	5,020	2,634	1,784	Lostine town.....	Wallowa.....	230	.....	.....
Astoria city.....	Clatsop.....	9,599	8,381	6,184	McMinnville city.....	Yamhill.....	2,400	1,420	1,368
Athens city.....	Umatilla.....	586	703	495	Madras town.....	Crook.....	364	.....	.....
Aurora city.....	Marion.....	190	122	.....	Marshfield town.....	Coos.....	2,980	1,391	1,461
Austin town.....	Grant.....	144	.....	.....	Medford city.....	Jackson.....	8,940	1,791	967
Baker City.....	Baker.....	6,742	6,663	2,604	Milton town.....	Umatilla.....	1,280	804	544
Bandon town.....	Coos.....	1,803	645	219	Milwaukie town.....	Clackamas.....	860	.....	.....
Barlow city.....	Clackamas.....	69	.....	.....	Mitchell town.....	Wheeler.....	210	135	.....
Bay City town.....	Tillamook.....	281	203	.....	Monmouth town.....	Polk.....	493	606	.....
Beaver Hill town.....	Coos.....	149	119	.....	Monument town.....	Grant.....	119	.....	.....
Beaverton town.....	Washington.....	386	249	.....	Moro city.....	Sherman.....	378	335	.....
Bend city.....	Crook.....	536	.....	.....	Mount Angel town.....	Marion.....	545	537	.....
Bourne town.....	Baker.....	77	.....	.....	Myrtle Creek town.....	Douglas.....	429	189	.....
Brownsville city.....	Linn.....	919	698	560	Myrtle Point city.....	Coos.....	836	530	354
Burns city.....	Harney.....	904	547	204	Nehalem town.....	Tillamook.....	119	59	.....
Butteville city.....	Marion.....	49	.....	.....	New Astoria town.....	Clatsop.....	957	.....	.....
Canby city.....	Clackamas.....	587	372	.....	Newberg city.....	Yamhill.....	2,260	945	514
Canyon City town.....	Grant.....	364	345	304	Newport city.....	Lincoln.....	721	256	121
Canyonville town.....	Douglas.....	149	.....	.....	North Bend city.....	Coos.....	2,078	.....	.....
Carlton city.....	Yamhill.....	386	145	.....	North Powder town.....	Union.....	455	.....	.....
Central Point town.....	Jackson.....	761	322	534	Nyssa town.....	Malheur.....	449	.....	.....
Clatskanie city.....	Columbia.....	747	311	212	Oakland city.....	Douglas.....	467	368	339
Clatsop town.....	Clatsop.....	240	176	.....	Ontario town.....	Malheur.....	1,248	445	.....
Coburg city.....	Lane.....	613	.....	.....	Oregon City.....	Clackamas.....	4,287	3,494	3,062
Condon city.....	Gilliam.....	1,009	230	.....	Pendleton city.....	Umatilla.....	4,460	4,406	2,506
Copperfield town.....	Baker.....	250	.....	.....	Philomath city.....	Benton.....	505	343	.....
Copquille city.....	Coos.....	1,398	728	494	Phoenix town.....	Jackson.....	250	.....	.....
Cornelius city.....	Washington.....	459	246	.....	Pilot Rock city.....	Umatilla.....	197	.....	.....
Corvallis city.....	Benton.....	4,652	1,819	1,527	Portland city.....	Multnomah.....	207,214	90,426	46,855
Cottage Grove city.....	Lane.....	1,834	974	.....	Prairie City town.....	Grant.....	348	218	222
Cove town.....	Union.....	433	.....	.....	Prineville city.....	Crook.....	1,042	656	460
Creswell town.....	Lane.....	367	.....	.....	Rainier city.....	Columbia.....	1,359	522	238
Dallas city.....	Polk.....	2,124	1,271	848	Redmond town.....	Crook.....	216	.....	.....
Dayton city.....	Yamhill.....	453	293	304	Richland town.....	Baker.....	334	.....	.....
Drain town.....	Douglas.....	335	193	.....	Riddle town.....	Douglas.....	187	131	.....
Drewsey town.....	Harney.....	82	.....	.....	Roseburg city.....	Douglas.....	4,738	1,600	1,472
Dufur town.....	Wasco.....	523	336	.....	St. Helens city.....	Columbia.....	742	258	220
Dundee town.....	Yamhill.....	106	124	.....	St. Johns city.....	Multnomah.....	4,872	.....	.....
Eastside town.....	Coos.....	252	.....	.....	St. Paul city.....	Marion.....	103	.....	.....
Echo city.....	Umatilla.....	400	.....	.....	Salem city.....	Marion.....	14,094	4,258	.....
Elgin city.....	Union.....	1,120	603	227	Selo city.....	Linn.....	295	346	253
Empire city.....	Coos.....	147	185	252	Seaside town.....	Clatsop.....	1,121	191	.....
Enterprise town.....	Wallowa.....	1,242	396	242	Shaniko town.....	Wasco.....	405	.....	.....
Estacada city.....	Clackamas.....	405	.....	.....	Sheridan city.....	Yamhill.....	1,021	466	299
Eugene city.....	Lane.....	9,009	3,236	.....	Sherwood town.....	Washington.....	115	111	.....
Fairview city.....	Multnomah.....	204	.....	.....	Silverton city.....	Marion.....	1,588	656	511
Falls City town.....	Polk.....	909	269	229	Sodaville town.....	Linn.....	110	178	66
Florence town.....	Lane.....	311	222	.....	Springfield town.....	Lane.....	1,838	353	371
Forest Grove city.....	Washington.....	1,772	1,090	668	Stanfield city.....	Umatilla.....	313	.....	.....
Fossil town.....	Wheeler.....	421	288	153	Stayton town.....	Marion.....	703	324	381
Freewater city.....	Umatilla.....	532	.....	.....	Sublimity town.....	Marion.....	138	.....	.....
Gardiner town.....	Douglas.....	391	286	.....	Summersville town.....	Union.....	237	184	280
Gervais town.....	Marion.....	276	224	.....	Sumpter city.....	Baker.....	643	.....	.....
Glendale city.....	Douglas.....	646	.....	.....	Sweet Home town.....	Linn.....	202	.....	.....
Gold Hill town.....	Jackson.....	423	385	.....	The Dalles city.....	Wasco.....	4,580	3,542	3,029
Granite town.....	Grant.....	89	245	.....	Tillamook city.....	Tillamook.....	1,352	834	.....
Grants Pass city.....	Josephine.....	3,897	2,290	1,432	Toledo city.....	Lincoln.....	541	302	.....
Grass Valley city.....	Sherman.....	342	.....	.....	Troutdale city.....	Multnomah.....	309	.....	.....
Greenhorn town.....	Baker.....	28	.....	.....	Turner city.....	Marion.....	191	.....	.....
Gresham city.....	Multnomah.....	540	.....	.....	Umatilla city.....	Umatilla.....	198	.....	.....
Haines town.....	Baker.....	423	.....	.....	Union city.....	Union.....	1,483	937	604
Halfway town.....	Baker.....	180	.....	.....	Vale city.....	Malheur.....	992	127	131
Halsey city.....	Linn.....	337	294	270	Vernonia town.....	Columbia.....	69	62	.....
Hardman town.....	Morrow.....	191	.....	.....	Wallowa town.....	Wallowa.....	793	243	.....
Harney city.....	Harney.....	58	82	240	Warrenton city.....	Clatsop.....	339	.....	.....
Harrisburg city.....	Linn.....	453	502	413	Wasco city.....	Sherman.....	386	322	.....
Helix city.....	Umatilla.....	109	.....	.....	Waterloo town.....	Linn.....	83	59	.....
Heppner city.....	Morrow.....	880	1,146	675	West Seaside town.....	Clatsop.....	149	.....	.....
Herriston city.....	Umatilla.....	647	.....	.....	Westfall town.....	Malheur.....	140	.....	.....
Hillsboro city.....	Washington.....	2,016	980	.....	Weston city.....	Umatilla.....	499	626	568
Hood River city.....	Hood River.....	2,331	766	201	Whitney town.....	Baker.....	55	.....	.....
Houlton town.....	Columbia.....	347	.....	.....	Willamette town.....	Clackamas.....	317	.....	.....
Hubbard city.....	Marion.....	283	213	117	Willamina city.....	Yamhill.....	376	.....	.....
Huntington town.....	Baker.....	680	821	321	Woodburn city.....	Marion.....	1,616	828	405
Independence city.....	Polk.....	1,160	909	.....	Yamhill city.....	Yamhill.....	325	254	.....
Ione city.....	Morrow.....	239	223	.....	Yoncalla city.....	Douglas.....	233	.....	.....
Island City town.....	Union.....	108	.....	.....					
Jacksonville city.....	Jackson.....	785	653	743					
Jefferson city.....	Marion.....	415	273	307					
John Day city.....	Grant.....	258	282	211					
Joseph city.....	Wallowa.....	725	237	249					
Junction City.....	Lane.....	759	506	.....					
Klamath Falls town.....	Klamath.....	2,758	447	364					
La Grande city.....	Union.....	4,343	2,991	2,583					
Lafayette city.....	Yamhill.....	412	359	365					

## CHAPTER 2.

### COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

**Introduction.**—The first chapter having given the number of inhabitants of Oregon by counties and minor civil divisions, the decennial increase and the density of population, and the proportions urban and rural, the present chapter deals with the composition and characteristics of the population: The two chapters cover all the principal topics of the population census except occupations and ownership of homes.

**Description of the tables.**—The greater part of this chapter consists of five general tables, which present statistics of color, nativity, parentage, sex, citizenship, illiteracy, school attendance, and dwellings and families, as follows: Table I for the state and counties; Table II for Portland, the only city of more than 25,000 inhabitants; Table III for Salem, the only city of 10,000 to 25,000; Table IV for places of 2,500 to 10,000; and Table V for wards of Portland.

A series of summary tables (numbered 1 to 15) reproduces from the general tables the more important state and city totals, and presents also certain additional data relative to state of birth, age, and marital condition.

On account of the wide differences in characteristics among the different classes of the population, the statistics on each subject are shown according to race, and for the whites according to nativity and parentage. Classification according to nativity and parentage is scarcely necessary for the other races, since nearly all negroes and Indians are native born of native parentage, and nearly all Chinese and Japanese either foreign born or of foreign parentage.

The white population is divided into four groups: (1) Native, native parentage—that is, having both parents born in the United States; (2) native, foreign parentage—having both parents born abroad; (3) native, mixed parentage—having one parent native and the other foreign born; (4) foreign born. As the second and third classes do not differ greatly in characteristics, they are combined in some of the tables; in a few cases all three native white classes are combined.

Since marked differences often exist between urban and rural communities with respect to the composition and characteristics of the population, the two classes are distinguished in connection with several of the subjects. Urban population, as defined by the Bureau of the Census, includes that of all incorporated places of 2,500 inhabitants or more, the remainder being classified as rural.

The census inquiry as to school attendance was merely as to whether the person enumerated had attended any kind of school at any time between September 1, 1909, and the date of enumeration, April 15, 1910.

The Census Bureau classifies as illiterate any person 10 years of age or over who is unable to write, regardless of ability to read.

**Color and nativity** (Table 1).—Of the total population of Oregon, 416,851, or 62 per cent, are native whites of native parentage; 135,238, or 20.1 per cent, are native whites of foreign or mixed parentage; and 103,001, or 15.3 per cent, are foreign-born whites. The corresponding percentages in 1900 were 61.9, 20.5, and 13, respectively, the proportion of foreign-born whites having increased somewhat during the decade. The percentage of Chinese and Japanese is 1.6; of Indians, 0.8; of negroes, 0.2. In 26 of the 34 counties the percentage of foreign-born whites is less than 15; in 6 counties it ranges from 15 to 25; and in 2 counties exceeds 25. In 3 counties the proportion of native whites of foreign or mixed parentage exceeds one-fourth. (See maps on page 606.)

Of the urban population, 55.4 per cent are native whites of native parentage; of the rural, 67.5 per cent. The corresponding proportions for native whites of foreign or mixed parentage are 22.8 and 17.9 per cent, respectively. The percentage of foreign-born whites is 18.6 in the urban population and 12.6 in the rural; the percentage of Chinese and Japanese is 2.7 in the urban and 0.6 in the rural. The negro population is very largely urban, and the Indian population almost entirely rural.

**Sex** (Table 2).—In the total population of the state there are 384,265 males and 288,500 females, or 133.2 males to 100 females. In 1900 the ratio was 129 to 100. Among native whites the ratio is 119.5 to 100 and among foreign-born whites 209.9 to 100. In the urban population there are 131.2 males to 100 females, and in the rural, 134.9.

**State of birth** (Tables 3 and 4).—Of the total native population—that is, population born in the United States—40.2 per cent were born in Oregon and 59.8 per cent outside the state; of the native white population, 60.1 per cent were born outside the state; of the native negro, 86.4 per cent; and of the native Indian, 19.7 per cent. Persons born outside the state constitute a larger proportion of the native population in urban than in rural communities.

**Foreign nationalities** (Tables 5 and 12).—Of the foreign-born white population of Oregon, persons born in Germany represent 17.4 per cent; Canada, 12; Sweden, 9.8; England, 7.8; Norway, 6.6; Italy, 5.4; Russia, 5.2; Austria, 5.1; Ireland, 4.8; Finland, 4.6; all other countries, 21.2 per cent. Of the total white stock of foreign origin, which includes persons born abroad and also natives having one or both parents born abroad, Germany contributed 22.4 per cent; Canada, 12.5; England, 9.5; Sweden, 7.6; Ireland, 7.1; Norway, 5.6; Russia, 3.7; Scotland, 3.5; Switzerland, 3.4; Finland, 3.2; Austria, 3.2 per cent.

**Voting and militia ages** (Table 6).—The total number of males 21 years of age and over is 257,188, representing 38.2 per cent of the population. Of such males, 54.9 per cent are native whites of native parentage, 15.6 per cent native whites of foreign or mixed parentage, 24.8 per cent foreign-born whites, 3.7 per cent Chinese and Japanese, and 0.5 per cent Indians. Of the 63,909 foreign-born white males of voting age, 29,675, or 46.4 per cent, are naturalized. Males of militia age—18 to 44—number 190,553.

**Age** (Tables 7, 8, and 13).—Of the total population, 8.9 per cent are under 5 years of age, 16.8 per cent from 5 to 14 years, inclusive, 19.5 per cent from 15 to 24, 33.7 per cent from 25 to 44, and 20.9 per cent are 45 years of age and over. The foreign-born white population comprises comparatively few children, only 3.8 per cent of this class being under 15 years of age, while 82.2 per cent are 25 years of age and over. Of the native whites of foreign or mixed parentage, 44.3 per cent are 25 and over; of the native whites of native parentage, 50.3 per cent; and of the Chinese, 90.5 per cent.

The urban population shows a smaller proportion of children than the rural and a larger proportion of persons in the prime of life. Migration to the city explains this at least in part. Of the urban population, 38.7 per cent are from 25 to 44 years of age, inclusive, and of the rural population, 29.4 per cent.

**School attendance** (Table 9).—The total number of persons of school age—that is, from 6 to 20 years, inclusive—is 175,386, of whom 117,078, or 66.8 per cent, attended school. In addition to these, 1,109 children under 6 and 3,222 persons 21 and over attended school. For boys from 6 to 20 years, inclusive, the percentage attending school was 65.5; for girls, 68.1. For children from 6 to 14 years, inclusive, the percentage attending school was 85.5. The percentage for children of this age among native whites of native parentage was 85.1; among native whites of foreign or mixed parentage, 87.3; among foreign-born whites, 82.7; among Indians, 81.4. (See Table I.) There is little difference between urban and rural communities as regards the percentage of school attendance for the ages 6 to 14; of persons 15 to 20 years of age, 38.1 per cent were reported as attending school in urban communities and 43.7 in rural.

**Illiteracy** (Table 11).—There are 10,504 illiterates in the state, representing 1.9 per cent of the total

population 10 years of age and over, as compared with 3.3 per cent in 1900. The percentage of illiteracy is 0.4 among native whites, 6.1 among foreign-born whites, 3.4 among negroes, 36.6 among Indians, 7.6 among Chinese, and 11.1 among Japanese.

For all classes combined, the percentage of illiterates is 1.3 in urban communities and 2.5 in rural. For each class separately, also, the percentage is higher in the rural population than in the urban.

For persons from 10 to 20 years of age, inclusive, whose literacy depends largely upon present school facilities and school attendance, the percentage of illiteracy is very slight, only 0.7. (See Table I.)

**Marital condition** (Tables 10 and 14).—In the population 15 years of age and over 47.5 per cent of the males are single and 27.1 per cent of the females. The percentage married is 46.6 for males and 63 for females; and the percentage widowed 4.3 and 8.6, respectively. The percentages of those reported as divorced, 1.2 and 1.1, respectively, are believed to be too small, because of the probability that many divorced persons class themselves as single or widowed.

That the percentage single is so much smaller for women than for men is due partly to the excess of males in the total population and partly to the fact that women marry younger. Thus 10.5 per cent of the females from 15 to 19 years of age are married, as compared with 0.4 per cent of the males, and 50.4 per cent of the females from 20 to 24 years are married, as compared with 15.2 per cent of the males. For those from 25 to 34 years, the percentages are 76.6 for females and 45.1 for males, and for those from 35 to 44, 84.8 and 63.8, respectively. In the age group 45 and over the percentages are nearly equal. That there is a larger proportion of widows than of widowers may indicate that men more often remarry than women, but, since husbands are generally older than their wives, the marriage relationship is more often broken by death of the husband than by death of the wife.

For the main elements of the population the percentages of married persons among those 15 years of age and over are as follows: Native whites of native parentage, 49 for males and 63.7 for females; foreign-born whites, 47.3 and 71.1, respectively; native whites of foreign or mixed parentage, 41.4 and 55; negroes, 40.9 and 59.2; Indians, 48.4 and 56.6.

These percentages by no means indicate the relative tendency of the several classes as regards marriage. To determine that, the comparison should be made by age periods, since the proportion married in any class is determined largely by the proportion who have reached the marrying age. Similarly, the proportion widowed depends largely on the proportion past middle life. The percentage married, for males and for females, is higher in rural than in urban communities.

**Dwellings and families.**—The number of dwellings in Oregon is 144,832, and the number of families 151,858, there being 104.9 families to 100 dwellings. (See Table I.) The average number of persons per dwelling is 4.6, and the average number per family, 4.4.

TABLE 1.—COLOR, NATIVITY, AND PARENTAGE.

CLASS OF POPULATION.	NUMBER.			PER CENT OF TOTAL.		
	1910	1900	1890	1910	1900	1890
<b>THE STATE.</b>						
Total population.....	672,765	413,536	317,704	100.0	100.0	100.0
White.....	655,090	394,582	301,982	97.4	95.4	95.1
Negro.....	1,492	1,105	1,186	0.2	0.3	0.4
Indian.....	5,090	4,951	4,971	0.8	1.2	1.6
Chinese.....	7,393	10,397	9,540	1.1	2.5	3.0
Japanese.....	3,418	2,501	25	0.5	0.6	( <sup>1</sup> )
All other <sup>2</sup> .....	312			( <sup>1</sup> )		
Native white.....	559,629	347,788	260,387	83.2	84.1	82.0
Total native.....	113,136	65,748	57,317	16.8	15.9	18.0
Total foreign born.....	552,089	340,721	254,160	82.1	82.4	80.0
Native parentage.....	416,851	250,125	204,193	62.0	61.9	64.3
Foreign parentage.....	79,336	49,058	29,233	11.8	11.9	9.2
Mixed parentage.....	55,902	35,538	20,734	8.3	8.6	6.5
Foreign-born white.....	103,001	53,801	47,822	15.3	13.0	15.1
<b>URBAN POPULATION.</b>						
Total.....	307,060	133,180	85,093	100.0	100.0	100.0
White.....	297,095	121,797	78,305	96.8	91.5	92.0
Negro.....	1,264	878	597	0.4	0.7	0.7
Indian.....	128	46	50	( <sup>1</sup> )	( <sup>1</sup> )	0.1
Chinese.....	6,664	9,078	6,119	2.1	6.8	7.2
Japanese.....	1,861	1,381	21	0.6	1.0	( <sup>1</sup> )
All other.....	148			( <sup>1</sup> )		
Native white, total.....	240,025	97,334	57,087	78.2	73.1	67.1
Native parentage.....	170,078	63,230	39,764	55.4	47.5	46.7
Foreign parentage.....	43,601			14.2		
Mixed parentage.....	26,340	34,104	17,323	8.6		20.4
Foreign-born white.....	57,070	24,463	21,219	18.0	18.4	24.9
<b>RURAL POPULATION.</b>						
Total.....	365,705	280,356	232,611	100.0	100.0	100.0
White.....	357,995	272,785	223,676	97.9	97.3	96.2
Negro.....	228	227	589	0.1	0.1	0.3
Indian.....	4,962	4,905	4,921	1.4	1.7	2.1
Chinese.....	799	1,319	3,421	0.2	0.5	1.5
Japanese.....	1,557	1,120	4	0.4	0.4	( <sup>1</sup> )
All other.....	164			( <sup>1</sup> )		
Native white, total.....	312,064	243,387	197,073	85.3	86.8	84.7
Native parentage.....	246,773	192,895	164,429	67.5	68.8	70.7
Foreign parentage.....	35,735			9.8		
Mixed parentage.....	29,556	50,492	32,644	8.1		14.0
Foreign-born white.....	45,031	29,398	26,603	12.0	10.5	11.4

<sup>1</sup> Less than one-tenth of 1 per cent.  
<sup>2</sup> Includes 305 Hindus, 6 Koreans, and 1 Filipino.

TABLE 4.—STATE OR DIVISION OF BIRTH.

PLACE OF BIRTH.	NUMBER.		PER CENT OF TOTAL.	
	1910	1900	1910	1900
<b>Total native.....</b>				
Oregon.....	225,102	164,431	100.0	100.0
Other states.....	334,527	183,537	40.2	47.3
Iowa.....	28,242	15,730	59.8	52.7
Illinois.....	27,942	16,931	5.0	4.5
Missouri.....	25,466	17,328	5.0	4.9
Ohio.....	20,030	13,123	4.5	5.0
Wisconsin.....	18,757	7,837	3.6	3.8
California.....	18,184	13,004	3.4	2.3
Washington.....	17,508	8,513	3.2	3.7
Minnesota.....	16,499	6,196	3.1	2.4
New York.....	16,115	10,747	2.9	1.8
Kansas.....	15,937	8,849	2.9	3.1
Michigan.....	15,198	5,661	2.8	2.5
Indiana.....	14,877	9,344	2.7	1.6
Pennsylvania.....	13,352	7,248	2.7	2.7
Nebraska.....	12,586	5,919	2.4	2.1
All other <sup>1</sup> .....	73,866	36,927	2.2	1.7
			13.2	10.6
<b>DIVISIONS.</b>				
New England.....	9,962	6,588	1.8	1.9
Middle Atlantic.....	30,888	18,896	5.5	5.4
East North Central.....	96,802	52,896	17.3	15.2
West North Central.....	105,534	56,241	18.9	16.2
South Atlantic.....	10,577	6,149	1.9	1.8
East South Central.....	12,098	7,550	2.2	2.2
West South Central.....	10,311	4,581	1.8	1.3
Mountain.....	17,674	6,671	3.2	2.1
Pacific.....	260,794	185,943	46.6	53.5
Other <sup>1</sup> .....	4,989	2,263	0.9	0.7

<sup>1</sup> Includes persons born in United States, state not specified; persons born in outlying possessions, or at sea under United States flag; and American citizens born abroad.

TABLE 5.—FOREIGN WHITE STOCK, BY NATIONALITY.

FOREIGN COUNTRY IN WHICH BORN, OR, IF NATIVE, IN WHICH PARENTS WERE BORN.	WHITE POPULATION OF FOREIGN BIRTH OR FOREIGN PARENTAGE: 1910					Foreign-born white population: 1900	
	Total.		Foreign born.		Native.		
	Number.	Per cent.	Number.	Per cent.	Both parents foreign born. One parent foreign born.		
All countries.....	238,239	100.0	103,001	100.0	79,336	55,902	53,861
Austria.....	7,573	3.2	5,241	5.1	1,559	773	1,138
Belgium.....	1,081	0.5	573	0.6	345	163	298
Bulgaria.....	645	0.3	628	0.6	6	13	13
Canada—French.....	3,063	1.3	1,146	1.1	682	1,235	872
Canada—Other.....	26,585	11.2	11,219	10.9	3,991	11,375	6,612
Denmark.....	6,773	2.8	3,215	3.1	2,167	1,391	1,683
England.....	22,712	9.5	7,995	7.8	5,072	9,645	5,659
Finland.....	7,711	3.2	4,734	4.6	2,715	262	2,131
France.....	2,725	1.1	1,159	1.1	636	930	775
Germany.....	53,359	22.4	17,057	17.4	22,263	13,139	13,326
Greece.....	3,671	1.5	3,555	3.5	74	42	95
Holland.....	1,687	0.7	618	0.6	610	459	324
Hungary.....	1,638	0.6	1,160	1.1	309	60	156
Ireland.....	16,943	7.1	4,995	4.8	6,444	5,504	4,210
Italy.....	6,819	2.9	5,635	5.4	1,109	175	1,014
Norway.....	13,435	5.6	6,843	6.6	4,643	1,949	2,789
Russia.....	8,793	3.7	5,321	5.2	3,016	456	1,973
Scotland.....	3,465	1.5	3,387	3.3	1,979	3,089	2,283
Spain.....	560	0.2	462	0.4	49	69	56
Sweden.....	18,198	7.6	10,999	9.8	5,866	2,233	4,555
Switzerland.....	8,173	3.4	3,853	3.7	2,676	1,644	2,677
Turkey.....	814	0.3	750	0.7	45	19	23
Wales.....	1,642	0.7	585	0.6	484	573	401
All other.....	15,264	6.4	1,973	1.9	12,596	695	826

<sup>1</sup> Includes native whites whose parents were born in different foreign countries; for example, one parent in Ireland and the other in Scotland.

TABLE 2.—SEX, FOR THE STATE AND FOR PORTLAND.  
(See also Tables 7, 8, and 13.)

CLASS OF POPULATION.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
<b>THE STATE.</b>						
Total population.....	384,265	288,500	133.2	232,985	180,551	129.0
White.....	370,345	284,745	130.1	217,483	177,069	122.8
Negro.....	907	585	155.0	677	428	158.2
Indian.....	2,534	2,550	99.1	2,388	2,593	93.2
Chinese.....	7,043	320	2,200.9	10,032	365	2,748.5
Japanese.....	3,124	2,042	1,062.6	2,405	96	1,062.6
All other.....	312					
Native white, total.....	300,535	251,504	119.5	183,698	157,123	116.8
Native parentage.....	228,772	188,079	121.6	138,782	117,343	118.3
Foreign parentage.....	42,693	36,643	116.5	26,330	22,728	116.8
Mixed parentage.....	29,120	26,782	108.7	18,486	17,052	108.4
Foreign-born white.....	69,760	33,241	209.9	33,885	19,976	169.6
Urban population.....	174,224	132,836	131.2	76,714	56,466	135.9
Rural population.....	210,041	155,664	134.0	156,271	124,085	125.9
Portland.....	118,808	88,340	134.5	53,128	37,298	142.4

<sup>1</sup> Ratio not shown, the number of females being less than 100.

TABLE 3.—NATIVE POPULATION, DISTINGUISHED AS BORN IN STATE OR OUTSIDE STATE.

CLASS OF POPULATION.	1910	1900	1890	Urban: 1910		Rural: 1910	
				Number.	Per cent.	Number.	Per cent.
<b>Total native population.....</b>							
Born in state.....	225,102	164,431	111,850	242,223	95.4	144,394	94.3
Born outside state <sup>2</sup> .....	334,527	183,357	144,600	161,515	40.6	173,012	45.7
Per cent outside state.....	59.8	52.7	58.4	59.7		54.5	
<b>Native white population.....</b>							
Born in state.....	552,089	340,721	253,936	240,025	93.9	312,064	93.9
Born outside state <sup>2</sup> .....	220,072	159,520	110,436	79,890	35.8	140,212	36.0
Per cent outside state.....	332,017	181,201	143,500	160,165	43.5	171,852	44.5
Per cent outside state.....	60.1	53.2	58.5	66.7		55.1	
<b>Native negro population.....</b>							
Born in state.....	1,430	1,061	( <sup>3</sup> )	1,224	85.3	206	14.7
Born outside state.....	194	213	( <sup>3</sup> )	129	6.5	65	4.8
Per cent outside state <sup>2</sup> .....	1,236	848	( <sup>3</sup> )	1,095	78.8	141	10.2
Per cent outside state.....	86.4	79.9	( <sup>3</sup> )	89.5		68.4	
<b>Native Indian population.....</b>							
Born in state.....	5,072	4,941	( <sup>3</sup> )	123	2.4	4,949	97.6
Born outside state.....	4,075	3,896	( <sup>3</sup> )	79	1.6	3,996	79.6
Per cent outside state <sup>2</sup> .....	997	1,045	( <sup>3</sup> )	44	0.9	953	19.4
Per cent outside state.....	19.7	21.1	( <sup>3</sup> )	35.8		19.3	

<sup>1</sup> Exclusive of 224 whites and 3,713 Indians, not distributed by state of birth.  
<sup>2</sup> Includes persons born in United States, state not specified; persons born in outlying possessions, or at sea under United States flag; and American citizens born abroad.  
<sup>3</sup> Comparable figures not available.

TABLE 6.—MALES OF VOTING AND MILITIA AGES.

CLASS OF POPULATION.	MALES OF VOTING AGE—21 AND OVER.				MALES OF MILITIA AGE—18 TO 44.	
	Number.		Per cent.		1910	1900
	1910	1900	1910	1900		
<b>Total.....</b>	287,188	144,446	100.0	100.0	190,553	105,628
White.....	245,343	131,261	95.4	90.9	183,672	96,427
Negro.....	766	560	0.3	0.4	613	455
Indian.....	1,235	1,183	0.5	0.8	901	852
Chinese.....	6,710	9,555	2.6	6.6	2,229	5,683
Japanese.....	2,834	1,887	1.1	1.3	2,866	2,211
All other.....	300		0.1		272	
Native white.....	131,434	99,775	70.5	69.1	141,300	78,137
Native parentage.....	141,266	79,220	54.9	54.8	106,647	59,595
Foreign or mixed parentage.....	40,168	20,555	15.6	14.2	34,653	18,542
Foreign-born white.....	63,909	31,486	24.8	21.8	42,372	18,290

SUPPLEMENT FOR OREGON.

TABLE 7.—AGE, FOR THE STATE.

AGE PERIOD.	TOTAL POPULATION.				NATIVE WHITE.				FOREIGN-BORN WHITE.	
	1910	1900	Male.	Female.	Native parentage.		Foreign or mixed parentage.		Male.	Female.
					Male.	Female.	Male.	Female.		
All ages, number	672,765	418,536	384,265	288,500	228,772	188,079	71,813	63,425	69,780	33,241
Under 5 years	60,211	41,141	30,641	29,570	22,650	21,925	7,189	6,806	347	311
Under 1 year	12,389	8,069	6,274	6,115	4,682	4,541	1,470	1,466	33	22
5 to 9 years	56,923	43,596	28,907	28,016	20,770	20,005	6,961	6,830	794	790
10 to 14 years	55,776	41,398	28,349	27,427	19,494	18,769	7,566	7,482	876	775
15 to 19 years	60,749	39,806	31,796	28,953	20,282	19,141	8,348	8,301	2,526	1,195
20 to 24 years	70,428	37,969	40,225	30,203	23,343	19,506	8,084	7,622	7,587	2,762
25 to 29 years	69,730	34,880	42,069	27,661	23,313	17,508	7,352	6,280	9,919	3,558
30 to 34 years	59,263	33,456	35,582	23,681	19,845	14,716	6,104	5,032	8,427	3,636
35 to 39 years	52,042	32,023	31,154	20,888	17,227	12,708	5,336	4,379	7,450	3,553
40 to 44 years	45,409	28,566	27,727	17,682	14,529	10,660	4,373	3,203	7,320	3,615
45 to 49 years	38,517	21,834	23,750	14,767	12,049	8,592	3,388	2,616	6,512	3,367
50 to 54 years	33,877	18,095	21,432	12,445	11,103	7,612	2,980	1,990	5,085	2,115
55 to 59 years	22,806	13,186	14,183	8,623	7,605	5,271	1,697	1,129	3,955	2,708
60 to 64 years	17,156	10,179	10,379	6,777	5,676	4,190	1,021	674	3,067	1,825
65 to 74 years	20,008	12,357	11,817	8,191	6,926	5,174	1,099	728	3,376	2,137
75 to 84 years	7,164	3,654	4,294	2,870	2,710	1,800	311	196	1,190	773
85 to 94 years	926	440	519	407	295	247	45	39	151	85
95 years and over	55	24	26	1	6	12	1	1	3	5
Age unknown	1,725	932	1,415	310	940	243	48	28	309	31
All ages, per cent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years	8.9	9.9	8.0	10.2	9.9	11.7	10.0	10.9	0.5	0.9
5 to 9 years	8.5	10.5	7.5	9.7	9.1	10.6	9.7	10.8	1.1	2.4
10 to 14 years	8.3	10.0	7.4	9.5	8.5	10.0	10.5	11.8	1.3	2.3
15 to 19 years	9.0	9.6	8.3	10.0	8.9	10.2	11.6	13.1	3.6	3.6
20 to 24 years	10.5	9.2	10.5	10.2	10.2	11.3	12.0	10.9	8.3	8.3
25 to 34 years	10.2	16.5	20.2	17.8	18.9	17.1	18.7	17.8	26.3	21.6
35 to 44 years	14.5	14.7	15.3	13.4	13.9	12.4	13.5	12.0	21.2	21.6
45 to 64 years	16.7	15.3	18.1	14.8	15.9	13.6	12.7	10.1	27.6	30.1
65 years and over	4.2	4.0	4.3	4.0	4.3	3.8	1.9	1.5	7.1	9.0

AGE PERIOD.	NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number	907	585	2,534	2,556	7,043	320	3,124	294	312	.....
Under 5 years	34	36	298	301	49	45	65	56	.....	.....
Under 1 year	7	9	59	54	9	9	14	14	.....	.....
5 to 9 years	35	28	282	305	60	53	5	5	.....	.....
10 to 14 years	23	31	327	320	53	41	10	9	.....	.....
15 to 19 years	34	33	338	260	129	16	131	11	8	.....
20 to 24 years	90	66	174	182	24	24	667	49	48	.....
25 to 29 years	126	75	141	148	235	30	890	61	93	.....
30 to 34 years	134	78	122	136	273	26	623	55	54	.....
35 to 39 years	137	72	141	116	474	30	347	30	42	.....
40 to 44 years	112	50	139	123	1,003	25	222	6	29	.....
45 to 49 years	67	44	107	125	1,536	15	76	8	15	.....
50 to 54 years	49	21	98	107	1,447	6	60	1	10	.....
55 to 59 years	21	12	63	87	1,818	7	18	2	6	.....
60 to 64 years	23	15	79	72	500	.....	6	1	7	.....
65 to 74 years	7	9	82	141	216	.....	1	.....	.....	.....
75 to 84 years	7	10	50	91	19	.....	.....	.....	.....	.....
85 to 94 years	1	3	24	33	3	.....	.....	.....	.....	.....
95 years and over	.....	.....	16	12	.....	.....	.....	.....	.....	.....
Age unknown	7	1	3	7	46	.....	2	.....	.....	.....
All ages, per cent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	.....
Under 5 years	3.7	6.2	11.8	11.8	0.7	14.1	2.1	19.0	.....	.....
5 to 9 years	3.9	4.8	11.1	11.9	0.9	16.6	0.2	1.7	.....	.....
10 to 14 years	2.5	5.3	12.9	12.5	0.8	12.8	0.3	3.1	.....	.....
15 to 19 years	3.7	5.6	13.3	10.0	1.8	5.0	4.2	3.7	2.6	.....
20 to 24 years	9.9	11.3	8.8	6.8	2.6	7.5	21.4	16.7	15.4	.....
25 to 34 years	28.7	26.3	10.4	11.2	7.2	17.5	48.4	39.5	47.1	.....
35 to 44 years	27.5	20.9	11.0	9.4	21.0	17.2	18.2	12.2	22.8	.....
45 to 64 years	17.6	15.7	13.7	15.2	61.1	8.8	5.1	4.1	12.2	.....
65 years and over	1.7	3.8	6.8	10.8	3.4	0.6	0.1	.....	.....	.....





SUPPLEMENT FOR OREGON.

TABLE 9.—SCHOOL ATTENDANCE.

[Per cent not shown where base is less than 100.]

AGE PERIOD.	TOTAL.			NATIVE WHITE.						FOREIGN-BORN WHITE.					
				Native parentage.			Foreign or mixed parentage.								
	Number.	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.	Attending school.				
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.			
THE STATE.															
6 to 20 years, inclusive	175,388	117,078	66.8	118,379	81,625	69.0	45,947	30,583	66.6	8,414	3,147	37.4			
Male	90,473	59,264	65.5	60,506	41,422	68.5	23,065	15,275	66.2	5,360	1,634	30.5			
Female	84,915	57,814	68.1	57,873	40,203	69.5	22,882	15,308	66.9	3,054	1,513	49.5			
6 to 9 years	45,266	33,894	74.9	32,302	23,934	74.1	11,026	8,558	77.6	1,333	982	73.7			
10 to 14 years	55,776	52,520	94.2	38,263	36,125	94.4	16,048	14,197	94.3	1,651	1,487	90.1			
15 to 17 years	34,984	22,825	65.2	23,220	15,945	68.7	9,892	6,026	60.9	1,385	500	36.1			
18 to 20 years	39,360	7,839	19.9	24,504	5,621	22.9	9,981	1,802	18.1	4,045	178	4.4			
Under 6 years		1,109			785			272			27				
21 years and over		3,222			2,160			681			242				
Total attending school		121,409			84,570			31,536			3,416				
URBAN POPULATION.															
6 to 14 years	36,238	31,268	86.3	22,432	19,286	86.0	11,607	10,185	87.7	1,929	1,603	83.1			
15 to 20 years	32,227	12,383	38.1	18,029	8,002	43.0	10,273	3,751	36.5	2,061	411	13.9			
RURAL POPULATION.															
6 to 14 years	64,804	55,146	85.1	48,133	40,773	84.7	14,467	12,570	86.9	1,055	866	82.1			
15 to 20 years	42,117	18,401	43.7	29,185	13,564	46.5	9,600	4,077	42.5	2,400	267	10.8			
AGE PERIOD.	NEGRO.			INDIAN.			CHINESE.			JAPANESE.			ALL OTHER.		
	Number.	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.	Attending school.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
THE STATE.															
6 to 20 years, inclusive	198	105	53.0	1,819	1,393	76.6	364	194	53.3	253	30	11.9	12	1	
Male	96	47		951	736	77.4	261	130	49.8	222	19	3.6	12	1	
Female	102	58	56.9	868	657	75.7	103	64	62.1	31	11				
6 to 9 years	48	34		473	332	70.2	78	51		6	3				
10 to 14 years	54	45		647	580	89.6	94	72		19	14				
15 to 17 years	36	16		357	294	82.4	76	39		16	5		2		
18 to 20 years	60	10		342	187	54.7	116	32	27.6	212	8	3.8	10	1	
Under 6 years					22			3							
21 years and over		4			50			30						3	
Total attending school		109			1,465			227			52			4	
URBAN POPULATION.															
6 to 14 years	77	60		29	15		150	110	73.3	14	9				
15 to 20 years	75	18		12	7		166	64	38.6	106	9	8.5	5	1	
RURAL POPULATION.															
6 to 14 years	25	19		1,091	897	82.2	22	13		11	8				
15 to 20 years	21	8		687	474	69.0	26	7		122	4	3.3	7		

STATISTICS OF POPULATION.

TABLE 10.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.							
	Total. <sup>1</sup>	Single.		Married.		Wid-owed.	Di-voiced.	Total. <sup>1</sup>	Single.		Married.		Wid-owed.	Di-voiced.
		Number.	Per cent.	Number.	Per cent.				Number.	Per cent.	Number.	Per cent.		
THE STATE.														
Total, 1910.....	296,368	140,653	47.5	137,984	46.6	12,660	3,412	203,487	55,242	27.1	126,182	63.0	17,540	2,225
Total, 1900.....	168,918	80,805	47.8	77,830	46.1	8,063	1,312	118,483	34,300	28.9	72,750	61.4	10,800	1,100
15 to 19 years.....	31,796	31,536	99.2	142	0.4	3	1	28,053	25,785	89.1	3,039	10.5	33	21
20 to 24 years.....	40,225	33,816	84.1	6,122	15.2	77	56	30,203	14,485	48.0	15,218	50.4	226	210
25 to 34 years.....	77,651	40,831	52.6	35,049	45.1	827	680	51,342	10,087	19.6	39,309	76.6	1,220	675
35 to 44 years.....	58,881	18,103	30.7	37,565	63.8	1,992	1,024	38,570	2,018	7.6	32,723	84.8	2,287	626
45 years and over.....	86,400	15,013	18.4	68,914	68.2	9,735	1,041	54,109	1,890	3.5	37,753	69.8	13,739	679
Age unknown.....	1,415	454	32.1	192	13.6	26	10	310	82	26.5	140	45.2	35	5
Native white:														
Native parentage <sup>2</sup> .....	165,849	73,048	44.4	81,205	49.0	7,653	2,184	127,380	33,755	26.5	81,126	63.7	10,790	1,497
15 to 24 years.....	43,025	39,040	89.5	4,340	10.0	42	33	38,047	25,445	65.8	12,751	33.0	179	171
25 to 44 years.....	74,914	28,509	38.1	43,242	57.7	1,775	1,142	55,592	7,249	13.0	45,172	81.3	2,223	903
45 years and over.....	46,370	5,881	12.7	33,589	72.4	5,814	1,000	32,898	992	3.0	23,001	70.2	8,367	420
Foreign or mixed parentage <sup>2</sup> .....	50,097	27,071	54.0	20,725	41.4	1,632	558	42,217	10,113	38.2	23,234	55.0	2,419	407
15 to 24 years.....	16,432	15,281	93.0	1,077	6.6	17	12	15,923	12,122	76.1	3,691	23.2	43	46
25 to 44 years.....	23,105	9,012	42.8	12,418	53.6	474	318	18,894	3,574	18.9	14,383	76.1	685	237
45 years and over.....	10,452	1,862	17.8	7,211	69.0	1,130	228	7,372	407	5.5	5,151	69.9	1,687	123
Foreign-born white <sup>2</sup> .....	67,743	31,647	46.7	32,071	47.3	3,103	615	31,365	4,863	15.5	22,287	71.1	3,901	279
15 to 24 years.....	10,113	9,352	92.5	713	7.1	13	6	3,957	2,302	58.2	1,602	40.5	29	17
25 to 44 years.....	39,116	17,143	51.8	15,138	45.7	501	217	14,362	2,093	14.6	11,610	80.8	508	139
45 years and over.....	24,145	4,940	20.5	10,175	67.0	2,587	301	13,015	466	3.6	9,058	69.6	3,357	122
Negro <sup>2</sup> .....														
15 to 24 years.....	815	425	52.1	333	40.9	42	13	490	99	20.2	290	59.2	88	13
25 to 44 years.....	124	106	85.5	14	11.3	2	1	99	60	60.6	36	36.3	3	3
45 years and over.....	509	247	48.5	237	46.6	16	9	276	27	9.8	206	74.6	33	10
Age unknown.....	175	68	38.9	80	45.7	24	3	114	11	9.6	48	42.1	52	3
Indian <sup>2</sup> .....														
15 to 24 years.....	1,027	683	66.6	787	76.7	126	26	1,630	344	21.1	922	56.6	331	29
25 to 44 years.....	562	503	89.5	48	8.5	4	3	430	308	71.6	112	26.0	4	6
45 years and over.....	543	143	26.3	363	66.9	22	14	525	30	5.7	433	82.5	50	12
Age unknown.....	519	36	6.7	375	72.3	100	9	668	6	0.9	375	56.1	273	11
Chinese <sup>2</sup> .....														
15 to 24 years.....	6,881	4,870	70.8	1,800	26.2	76	11	181	33	18.2	138	76.2	8	.....
25 to 44 years.....	311	286	92.0	15	4.8	.....	.....	40	19	.....	.....	.....	1	.....
45 years and over.....	1,985	1,523	76.7	422	21.3	13	1	111	7	6.3	98	88.3	5	.....
Age unknown.....	4,539	3,055	67.3	1,362	30.0	63	9	30	7	.....	21	.....	2	.....
Japanese <sup>2</sup> .....														
15 to 24 years.....	3,044	2,113	69.4	867	28.5	18	5	224	35	15.6	185	82.6	3	.....
25 to 44 years.....	768	747	97.2	39	4.9	1	1	60	14	.....	46	.....	.....	.....
45 years and over.....	2,082	1,321	63.4	720	34.6	10	3	152	20	13.2	130	85.5	2	.....
Age unknown.....	162	43	26.5	108	66.7	7	1	12	1	.....	9	.....	1	.....
All other <sup>2</sup> .....														
15 to 24 years.....	312	196	62.8	106	34.0	10	.....	.....	.....	.....	.....	.....	.....	.....
25 to 44 years.....	56	37	66.1	18	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
45 years and over.....	218	136	62.4	74	33.9	8	.....	.....	.....	.....	.....	.....	.....	.....
Age unknown.....	38	23	59.5	14	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
URBAN POPULATION.														
Total.....	142,760	71,262	49.9	63,237	44.3	5,644	1,862	101,862	31,186	30.6	58,899	57.8	10,141	1,483
15 to 24 years.....	32,279	29,168	90.4	2,935	9.1	29	30	29,374	20,864	71.0	8,138	27.7	160	151
25 to 44 years.....	71,777	33,825	47.1	34,975	48.7	1,571	1,099	47,166	9,099	19.3	34,699	73.6	2,385	941
45 years and over.....	38,204	8,100	21.2	26,255	68.0	4,040	730	25,178	1,176	4.7	16,007	23.9	7,579	388
Age unknown.....	440	109	38.4	72	16.4	4	3	144	47	32.0	55	38.2	17	3
Native white—Native parentage.....														
Native white—Foreign or mixed par.....	73,026	34,507	47.3	33,814	46.3	3,221	1,133	57,717	17,303	30.0	33,440	57.9	5,872	998
Foreign-born white.....	25,852	14,166	54.8	10,516	40.7	758	346	24,082	9,911	41.2	12,265	50.9	1,607	282
Negro.....	35,253	16,379	46.5	16,702	47.4	1,582	367	19,267	3,821	19.8	12,658	65.7	2,570	188
Indian.....	682	340	51.2	287	42.1	36	9	434	79	18.2	265	61.1	77	13
Chinese.....	33	25	75.8	6	.....	1	.....	15	.....	.....	28	.....	6	2
Japanese.....	6,142	4,473	72.8	1,540	25.1	41	3	162	29	17.9	124	76.5	7	.....
All other.....	1,624	1,241	76.4	347	21.4	4	3	149	28	18.8	110	79.9	2	.....
RURAL POPULATION.														
Total.....	153,608	69,391	45.2	74,747	48.7	7,016	1,550	101,625	24,056	23.7	69,283	68.2	7,399	742
15 to 24 years.....	30,742	36,184	117.7	3,329	8.4	51	27	29,782	19,406	65.2	10,119	34.0	99	89
25 to 44 years.....	64,755	25,109	38.8	37,639	58.1	1,248	605	42,746	3,901	9.1	37,333	87.3	1,122	360
45 years and over.....	48,136	7,813	16.2	33,659	69.9	5,695	911	28,931	714	2.5	21,746	75.2	6,160	291
Age unknown.....	975	285	29.2	120	12.3	22	7	166	35	21.1	85	51.2	18	2
Native white—Native parentage.....														
Native white—Foreign or mixed par.....	92,823	30,141	32.5	47,481	51.2	4,432	1,051	69,663	16,452	23.6	47,686	68.5	4,918	499
Foreign-born white.....	24,245	12,905	53.2	10,209	42.1	874	212	18,135	6,202	34.2	10,969	60.5	812	125
Negro.....	32,490	15,288	47.0	15,369	47.3	1,521	248	12,098	1,042	8.6	9,629	79.6	1,331	91
Indian.....	133	76	57.1	46	34.6	6	4	50	20	.....	25	.....	11	.....
Chinese.....	1,594	658	41.3	781	49.0	125	25	1,579	329	20.8	894	56.6	325	27
Japanese.....	739	307	53.7	260	35.2	35	8	19	4	.....	14	.....	1	.....
All other.....	1,420	872	61.4	520	36.6	14	2	75	7	.....	60	.....	1	.....
Age unknown.....	164	74	45.1	81	49.4	9	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Total includes persons whose marital condition is unknown.

<sup>2</sup> Totals include persons of unknown age.

TABLE 11.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION.	BOTH SEXES.		MALE.		FEMALE.		CLASS OF POPULATION.	BOTH SEXES.		MALE.		FEMALE.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
<b>THE STATE.</b>							<b>URBAN POPULATION.</b>						
Total illiterate, 1910.....	10,504	1.9	7,214	2.2	3,290	1.4	Total illiterate, 1910.....	3,371	1.3	2,172	1.4	1,199	1.1
Native white.....	1,841	0.4	1,057	0.4	784	0.4	Native white.....	477	0.2	287	0.3	190	0.2
Native parentage.....	1,437	0.4	825	0.4	612	0.4	Native parentage.....	338	0.2	210	0.3	128	0.2
Foreign or mixed parentage.....	404	0.4	232	0.4	172	0.3	Foreign or mixed parentage.....	139	0.2	77	0.3	62	0.2
Foreign-born white.....	6,120	6.1 <sup>1</sup>	4,553	6.6	1,567	4.9	Foreign-born white.....	2,319	4.2	1,385	3.9	934	4.7
Negro.....	46	3.4	25	3.0	21	4.0	Negro.....	35	3.0	17	2.4	18	3.9
Indian.....	1,430	36.6	681	29.7	849	43.5	Indian.....	17	16.5	4	13	13	3.9
Chinese.....	542	7.6	505	7.3	37	16.7	Chinese.....	344	5.4	318	5.1	26	13.3
Japanese.....	394	11.1	332	10.9	32	13.7	Japanese.....	81	4.5	63	3.9	18	11.7
All other.....	161	51.6	161	51.6			All other.....	98	66.2	98	66.2		
<b>Total illiterate, 1900.....</b>							<b>RURAL POPULATION.</b>						
Total illiterate, 1900.....	10,686	3.3	7,429	3.9	3,257	2.3	Total illiterate, 1910.....	7,133	2.5	5,042	2.9	2,091	1.8
Native white.....	2,180	0.8	1,213	0.9	967	0.8	Native white.....	1,364	0.6	770	0.6	594	0.6
Native parentage.....	1,745	0.9	976	0.9	769	0.9	Native parentage.....	1,099	0.6	615	0.6	484	0.6
Foreign or mixed parentage.....	435	0.7	237	0.7	198	0.7	Foreign or mixed parentage.....	265	0.5	155	0.5	110	0.5
Foreign-born white.....	2,207	4.1	1,118	3.3	1,089	5.5	Foreign-born white.....	3,801	8.4	3,168	9.7	633	5.1
Negro.....	89	8.8	57	9.0	32	8.4	Negro.....	11	5.4	8	5.8	3	3
Indian.....	1,888	50.5	873	48.1	1,015	52.8	Indian.....	1,413	37.2	577	30.1	836	44.4
Chinese.....	3,954	38.8	3,813	38.5	141	60.7	Chinese.....	198	25.6	187	25.1	11	11
Japanese.....	368	14.8	355	14.8	13	13	Japanese.....	283	18.8	269	18.9	14	14
All other.....							All other.....	63	38.4	63	38.4		

TABLE 12.—FOREIGN WHITE STOCK, BY NATIONALITY, FOR PORTLAND.

FOREIGN COUNTRY IN WHICH BORN, OR, IF NATIVE, IN WHICH PARENTS WERE BORN.	WHITE POPULATION OF FOREIGN BIRTH OR FOREIGN PARENTAGE: 1910						Foreign-born white population: 1900	FOREIGN COUNTRY IN WHICH BORN, OR, IF NATIVE, IN WHICH PARENTS WERE BORN.	WHITE POPULATION OF FOREIGN BIRTH OR FOREIGN PARENTAGE: 1910						Foreign-born white population: 1900
	Total.		Foreign born.		Native.				Total.		Foreign born.		Native.		
	Number.	Per cent.	Number.	Per cent.	Both parents foreign born.	One parent foreign born.			Number.	Per cent.	Number.	Per cent.	Both parents foreign born.	One parent foreign born.	
All countries.....	94,789	100.0	43,780	100.0	32,901	18,108	17,734	Hungary.....	704	0.7	584	1.3	96	24	63
Austria.....	3,424	3.6	2,548	5.8	631	245	306	Ireland.....	7,756	8.2	2,267	5.2	3,250	2,239	1,741
Belgium.....	383	0.4	224	0.5	112	47	70	Italy.....	3,512	3.7	2,557	5.8	864	91	631
Bulgaria.....	133	0.1	129	0.3	4			Norway.....	4,838	5.1	2,726	6.2	1,571	541	850
Canada—French.....	1,038	1.1	442	1.0	252	344	261	Russia.....	6,886	7.3	3,944	9.0	2,192	250	1,138
Canada—Other.....	9,976	10.5	4,753	10.9	1,563	3,660	1,937	Scotland.....	3,299	3.5	1,533	3.5	787	979	763
Denmark.....	2,225	2.3	1,196	2.7	703	326	414	Spain.....	61	0.1	28	0.1	8	25	9
England.....	8,908	9.4	3,610	8.2	2,120	3,178	1,921	Sweden.....	8,383	8.8	4,801	11.0	2,905	677	1,711
Finland.....	1,286	1.4	948	2.2	291	47	98	Switzerland.....	2,251	2.4	1,125	2.6	773	353	611
France.....	1,165	1.2	505	1.2	309	351	268	Turkey.....	421	0.4	394	0.9	31	6	8
Germany.....	20,682	21.8	7,480	17.1	8,997	4,196	4,479	Wales.....	547	0.6	219	0.5	162	160	119
Greece.....	742	0.8	701	1.6	37	4	4	All other.....	10,149	6.5	852	1.9	15,052	245	278
Holland.....	520	0.5	215	0.5	191	114	52								

<sup>1</sup> Includes native whites whose parents were born in different foreign countries; for example, one parent in Ireland and the other in Scotland.

TABLE 13.—AGE, FOR PORTLAND.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages.....	118,868	88,346	83,728	71,444	27,724	16,058	608	437	18	20	5,479	220	1,292	169	19	
Under 5 years.....	7,155	7,003	6,890	6,748	180	172	21	24	1		30	26	33	33		
Under 1 year.....	1,583	1,503	1,554	1,469	16	15	4	6			3	7	6	6		
5 to 9 years.....	6,240	6,103	5,733	5,646	436	457			4							
10 to 14 years.....	6,242	6,206	5,730	5,730	451	425	22	20			43	38	2	2		
15 to 19 years.....	8,126	8,467	7,013	7,708	966	799	15	17	3	5	37	25	6	4		
20 to 24 years.....	13,740	11,470	10,171	9,627	3,080	1,744	16	21	1	1	97	12	33	6		
25 to 34 years.....	30,433	19,485	21,100	15,298	8,116	3,938	48	50		3	129	18	311	28	1	
35 to 44 years.....	21,698	13,465	13,808	9,886	6,329	3,413	181	131	1	3	373	41	655	74	7	
45 to 64 years.....	21,641	12,914	11,262	8,784	6,753	4,043	193	104	6	4	1,158	41	198	17	6	
65 years and over.....	3,433	3,105	1,906	1,960	1,373	1,144	103	60	2	4	3,462	18	54	5	5	
Age unknown.....	160	78	115	67	40	11	3				148	1				

# STATISTICS OF POPULATION.

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TABLE 14.—MARITAL CONDITION, FOR PORTLAND.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.							
	Total. <sup>1</sup>	Single.		Married.		Wid-owed.	Di-vorced.	Total. <sup>1</sup>	Single.		Married.		Wid-owed.	Di-vorced.
		Number.	Per cent.	Number.	Per cent.				Number.	Per cent.	Number.	Per cent.		
Total.....	99,231	51,380	51.8	42,271	42.6	3,797	1,293	68,974	21,868	31.7	33,987	58.5	6,940	1,090
15 to 24 years.....	21,866	10,706	90.1	2,028	9.3	20	20	19,927	14,092	70.7	5,589	28.0	106	106
25 to 44 years.....	52,131	25,654	49.2	24,254	46.5	1,172	802	32,960	6,912	21.0	23,527	71.4	1,773	713
45 years and over.....	25,074	5,962	23.8	15,055	63.6	2,604	470	16,019	844	5.3	9,841	61.4	5,048	270
Age unknown.....	160	58	36.3	34	21.3	1	1	78	20	25.6	30	38.5	13	1
Native white—Native parentage.....	46,562	23,062	49.5	20,478	44.0	2,018	761	35,652	11,016	30.9	20,135	56.5	3,737	708
Native white—Foreign or mixed parentage.....	18,813	10,572	56.2	7,391	39.3	550	246	17,668	7,530	42.6	8,729	49.4	1,184	214
Foreign-born white.....	26,057	12,490	48.0	12,604	47.3	1,172	272	15,002	3,202	21.3	9,674	64.5	1,951	155
Negro.....	550	263	47.8	263	48.0	26	8	376	65	17.3	236	62.8	63	12
Indian.....	10	6	60.0	2	20.0	1	1	15	7	46.7	7	46.7	1	1
Chinese.....	5,369	4,006	74.6	1,272	23.7	19	2	131	28	21.4	96	73.3	5	5
Japanese.....	1,251	953	76.2	271	21.7	1	3	130	20	15.4	110	84.6	1	1
All other.....	19	10	52.6	7	36.8	1	1	10	5	50.0	5	50.0	1	1

<sup>1</sup> Total includes persons whose marital condition is unknown.

TABLE 15.—INDIAN, CHINESE, AND JAPANESE POPULATION, BY COUNTIES.

COUNTY.	INDIAN.			CHINESE.			JAPANESE.			COUNTY.	INDIAN.			CHINESE.			JAPANESE.		
	1910	1900	1890	1910	1900	1890	1910	1900	1890		1910	1900	1890	1910	1900	1890	1910	1900	1890
The state.....	5,090	4,951	4,971	7,363	10,397	9,540	3,418	2,501	25	Lane.....	35	40	63	12	8	51	52	81	.....
Baker.....	27	1	1	90	414	308	164	205	.....	Lincoln.....	436	465	.....	3	4	.....	.....	10	.....
Benton.....	.....	14	.....	10	26	95	11	6	.....	Linn.....	1	1	8	19	51	124	23	68	1
Clatsamas.....	8	15	53	84	66	80	78	8	.....	Malheur.....	39	48	91	37	86	82	79	5	.....
Clatsop.....	6	26	29	404	614	1,177	176	38	.....	Marion.....	604	503	210	288	235	367	39	89	4
Columbia.....	1	.....	3	6	10	23	26	24	.....	Morrow.....	6	.....	.....	6	13	25	.....	8	.....
Coos.....	186	61	114	00	50	90	24	1	.....	Multnomah.....	45	16	28	5,787	8,012	5,184	1,767	1,327	20
Crook.....	451	537	1	7	13	9	.....	.....	Polk.....	133	150	1	29	24	59	113	1	.....	
Curry.....	149	127	121	2	27	58	.....	.....	Sherman.....	1	1	8	2	15	25	.....	16	.....	
Douglas.....	104	124	120	29	20	183	52	40	.....	Tillamook.....	19	53	46	.....	.....	.....	12	.....	
Gilliam.....	5	32	28	2	17	41	7	38	.....	Umatilla.....	963	905	8	102	155	261	32	92	.....
Grant.....	2	3	6	37	114	326	33	.....	Union.....	1	.....	.....	65	104	125	105	197	.....	
Harney.....	65	8	27	7	32	16	.....	.....	Wallowa.....	.....	.....	.....	2	1	.....	11	.....		
Hood River.....	15	.....	.....	6	.....	.....	468	.....	Wasco.....	379	414	166	93	138	205	69	221	.....	
Jackson.....	3	2	28	84	43	224	29	.....	Washington.....	3	.....	.....	46	36	171	28	.....		
Josephine.....	37	22	.....	11	31	98	.....	19	.....	Wheeler.....	.....	.....	7	.....	.....	.....	.....		
Klamath.....	1,028	1,037	23	13	1	3	.....	1	.....	Yamhill.....	205	236	11	11	12	21	13	6	.....
Lake.....	75	35	42	9	12	19	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

<sup>1</sup> Includes 3,713 Indians specially enumerated in 1890, not distributed by counties.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

[Per cent not shown where base is less than 100.]

SUBJECT.	THE STATE.	Baker. <sup>1</sup>	Benton. <sup>1</sup>	Clackamas.	Clatsop.	Columbia.	Coos.	Crook. <sup>1</sup>
<b>POPULATION</b>								
Total population, 1910.....	672,765	18,076	10,668	29,931	16,106	10,580	17,959	9,815
1900.....	413,536	15,597	6,706	19,658	12,765	6,237	10,324	3,964
1890.....	317,704	6,764	8,650	15,233	10,016	5,191	8,874	3,244
1880.....	174,768	4,616	6,403	9,260	7,222	2,042	4,834	.....
1870.....	90,923	2,804	4,534	5,993	1,255	863	1,644	.....
Increase, 1900-1910.....	259,229	2,479	3,957	10,273	3,341	4,343	7,635	5,851
Per cent of increase.....	62.7	15.9	59.0	52.3	26.2	69.6	74.0	135.0
Increase, 1890-1900.....	95,832	8,833	-1,944	4,425	2,749	1,046	1,450	3,166
Per cent of increase.....	30.2	130.6	-22.5	29.0	27.4	20.2	18.3	5.1
Land area (square miles).....	95,607	3,060	688	1,864	821	662	1,028	7,778
Population per square mile, 1910.....	7.0	5.9	15.5	16.1	19.6	16.0	11.0	1.2
Rural population per square mile, 1910.....	3.8	3.7	8.9	13.8	7.9	16.0	9.2	1.2
<b>URBAN AND RURAL TERRITORY.</b>								
Urban, 1910—Places of 2,500 or more in 1910.....	307,060	6,742	4,552	4,287	9,599	.....	2,980	.....
Same places in 1900.....	142,840	6,603	2,051	3,494	8,351	.....	1,391	.....
Per cent of increase, 1900-1910.....	115.0	1.2	121.9	22.7	14.5	.....	114.2	.....
Rural, 1910—Remainder of county in 1910.....	365,705	11,334	6,111	25,644	6,507	10,580	14,979	9,815
Same territory in 1900.....	270,096	11,655	4,655	10,164	4,354	6,237	8,933	3,964
Per cent of increase, 1900-1910.....	35.1	-2.8	31.3	55.6	48.4	69.6	67.7	135.0
Urban, 1900—Places of 2,500 or more in 1900.....	133,180	6,603	.....	3,494	8,351	.....	.....	.....
Rural, 1900—Remainder of county in 1900.....	280,356	8,934	6,706	10,164	4,854	6,237	10,324	3,964
Per cent in places of 2,500 or more, 1910.....	45.6	37.3	42.7	14.3	59.6	.....	16.6	.....
Per cent in places of 2,500 or more, 1900.....	32.2	42.7	.....	17.8	55.7	.....	.....	.....
<b>COLOR AND NATIVITY</b>								
White.....	655,090	17,707	10,638	29,749	15,417	10,517	17,672	8,849
Number in 1900.....	430,582	6,342	8,534	15,033	8,762	6,201	10,176	3,411
Number in 1890.....	430,982	6,342	8,534	15,033	8,762	5,168	8,608	3,232
Negro.....	1,492	27	1	11	25	1	17	8
Number in 1900.....	1,705	62	1	14	13	2	36	3
Number in 1890.....	1,189	23	7	17	48	7	2	2
Black.....	1,058	20	1	6	20	1	7	8
Mulatto.....	434	7	.....	5	5	.....	10	.....
Indian, Chinese, Japanese, and all other (see Tables I and 15).....	16,183	282	24	171	664	62	270	458
Native white—Native parentage.....	416,851	13,090	8,288	10,913	4,330	5,532	11,652	6,925
Number in 1900.....	259,125	10,357	5,245	11,044	3,411	3,661	6,530	2,946
Native white—Foreign or mixed parentage.....	135,238	2,825	1,047	7,983	5,078	2,550	3,014	1,134
Number in 1900.....	84,696	2,937	694	6,271	4,090	1,477	2,212	274
Native white—Foreign parentage.....	79,336	1,342	815	4,733	3,344	1,672	1,974	586
Native white—Mixed parentage.....	55,902	1,483	832	3,195	1,234	878	1,040	548
Foreign-born white.....	103,001	1,482	703	4,853	6,009	2,435	2,406	790
Number in 1900.....	53,861	1,686	434	3,240	4,573	1,093	1,434	191
<b>PER CENT OF TOTAL POPULATION.</b>								
Native white—Native parentage.....	62.0	72.4	77.7	56.5	26.9	52.3	64.9	74.3
Per cent in 1900.....	61.9	69.4	78.2	56.2	26.7	57.1	63.3	74.9
Native white—Foreign or mixed parentage.....	20.1	15.6	15.4	26.7	31.5	24.1	20.1	12.2
Per cent in 1900.....	20.5	18.8	14.8	26.8	32.0	24.8	21.4	6.9
Foreign-born white.....	15.3	10.2	6.6	16.2	37.3	23.0	13.4	8.5
Per cent in 1900.....	13.0	10.4	6.5	16.5	35.8	17.5	13.9	4.8
<b>FOREIGN NATIONALITIES</b>								
<b>FOREIGN-BORN WHITE: Born in—</b>								
Austria.....	5,241	62	9	277	210	38	56	40
Belgium.....	573	45	3	14	15	12	3	1
Bulgaria.....	626	89	.....	37	28	22	6	.....
Canada—French.....	1,146	43	6	60	30	33	21	12
Canada—Other.....	11,219	201	157	393	237	194	350	112
Denmark.....	3,215	62	11	126	162	48	80	38
England.....	7,995	201	96	358	258	110	167	72
Finland.....	4,734	18	1	43	2,120	404	495	1
France.....	1,159	10	6	40	45	16	29	11
Germany.....	17,957	291	196	1,453	433	200	282	116
Greece.....	3,555	215	11	78	238	81	48	6
Holland.....	618	17	6	16	12	14	8	2
Hungary.....	1,160	10	3	4	10	33	12	3
Ireland.....	4,995	131	27	169	141	42	94	44
Italy.....	5,535	100	35	216	73	118	54	85
Norway.....	6,843	54	17	305	1,083	297	207	77
Russia.....	5,321	17	23	186	65	101	22	15
Scotland.....	3,387	42	28	121	56	64	64	38
Sweden.....	10,099	96	39	461	543	502	305	59
Switzerland.....	3,853	40	21	332	128	58	44	27
Turkey.....	750	8	.....	21	27	13	9	1
Wales.....	585	16	4	91	16	2	19	4
Other foreign countries.....	2,435	88	4	46	70	33	30	26
<b>NATIVE WHITE: Both parents born in—</b>								
Austria.....	1,559	8	12	175	91	2	11	12
Canada—French.....	682	34	2	29	13	11	20	13
Canada—Other.....	3,991	74	78	151	105	63	111	58
Denmark.....	2,167	36	11	77	65	42	44	16
England.....	5,072	139	76	237	131	55	108	34
France.....	636	9	11	24	13	4	13	8
Germany.....	22,263	359	271	1,843	331	273	257	151
Holland.....	610	15	17	24	3	8	2	2
Ireland.....	6,444	212	48	201	170	57	126	52
Italy.....	1,109	4	.....	34	14	14	16	4
Norway.....	4,643	39	21	417	500	141	191	62
Russia.....	3,016	13	34	140	15	26	14	2
Scotland.....	1,979	41	8	68	35	33	52	16
Sweden.....	5,876	57	51	333	344	259	213	36
Switzerland.....	2,676	18	13	242	27	32	33	18
All others of foreign parentage.....	16,623	284	162	787	1,987	652	763	102

<sup>1</sup> For changes in boundaries, etc., see page 605.

<sup>2</sup> State total includes population (3,937) of Indian reservations specially enumerated in 1890, not distributed by counties.

<sup>3</sup> See Note 2 on page 605.

STATISTICS OF POPULATION.

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POPULATION FOR THE STATE AND FOR COUNTIES.

A minus sign (-) denotes decrease.]

SUBJECT.	THE STATE.	Baker. <sup>1</sup>	Benton. <sup>1</sup>	Clackamas.	Clatsop.	Columbia.	Coos.	Crook. <sup>1</sup>
<b>SEX</b>								
Total.. Male.....	384,265	10,589	5,729	16,271	9,985	6,436	10,093	5,704
Female.....	288,500	7,487	4,934	13,660	6,121	4,144	7,866	3,611
White.. Male.....	370,345	10,317	5,704	16,113	9,341	6,374	9,911	5,479
Female.....	284,745	7,450	4,934	13,636	6,070	4,143	7,761	3,370
Negro.. Male.....	907	16	1	9	13	1	11	6
Female.....	585	11	1	2	12	1	6	2
<b>MALES OF VOTING AGE</b>								
Total number.....	257,188	6,861	3,416	9,690	6,996	4,080	6,250	3,944
Number in 1900.....	144,446	6,401	2,059	5,761	5,010	2,067	3,319	1,439
Native white—Native parentage.....	141,206	4,231	2,526	4,809	1,605	1,819	3,505	2,771
Number in 1900.....	79,220	3,696	1,515	2,976	1,339	1,102	1,889	1,081
Native white—Foreign or mixed parentage.....	40,108	1,032	446	1,983	978	574	1,100	457
Number in 1900.....	20,555	1,012	263	991	677	271	488	111
Native white—Foreign parentage.....	25,364	574	243	1,310	714	384	567	255
Native white—Mixed parentage.....	14,804	458	203	673	264	190	503	202
Foreign-born white.....	63,909	1,353	421	2,761	3,817	1,629	1,538	581
Number in 1900.....	31,488	1,136	251	1,724	3,014	666	916	160
Negro.....	766	12	1	5	10	2	8	6
Number in 1900.....	660	28	7	7	7	2	15	3
Indian, Chinese, Japanese, and all other.....	11,079	293	22	132	586	58	99	129
<b>PER CENT OF TOTAL.</b>								
Native white—Native parentage.....	54.9	61.7	73.9	49.6	22.9	44.6	56.1	70.3
Native white—Foreign or mixed parentage.....	15.6	15.0	13.1	20.5	14.0	14.1	17.6	11.6
Foreign-born white.....	24.8	19.7	12.3	28.5	54.6	39.9	24.6	14.7
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>								
Naturalized.....	29,675	573	256	1,588	1,796	680	850	265
Having first papers.....	7,591	71	26	270	878	355	250	97
Alien.....	17,490	481	54	449	751	444	320	102
Unknown.....	9,213	228	85	454	394	150	118	117
<b>ILLITERACY</b>								
<b>ILLITERATE MALES OF VOTING AGE.</b>								
Total number illiterate.....	6,460	514	23	216	298	58	82	85
Per cent illiterate.....	2.5	7.5	0.7	2.2	4.3	1.4	1.3	2.2
Per cent in 1900.....	4.8	3.8	1.6	2.2	6.7	2.5	2.1	6.1
Native white, number illiterate.....	914	41	12	38	14	7	26	14
Per cent illiterate.....	0.5	0.8	0.4	0.6	0.5	0.3	0.6	0.4
Foreign-born white, number illiterate.....	4,033	368	7	134	210	51	42	20
Per cent illiterate.....	6.3	27.2	1.7	4.9	5.5	3.1	2.7	3.4
Negro, number illiterate.....	24	1	1	1	2	1	1	1
Per cent illiterate.....	3.1	1.3	2.3	1.4	2.2	0.6	0.6	0.3
<b>PERSONS 10 YEARS OLD AND OVER.</b>								
Total number.....	555,831	14,475	8,644	23,624	13,360	8,299	14,083	7,523
Number illiterate.....	10,504	638	46	370	474	108	167	211
Per cent illiterate.....	1.9	4.4	0.5	1.6	3.5	1.3	1.2	2.8
Native white, number.....	438,854	12,347	7,024	18,726	6,801	5,857	11,496	6,387
Number illiterate.....	1,841	67	30	88	28	19	54	22
Per cent illiterate.....	0.4	0.5	0.4	0.5	0.4	0.3	0.5	0.3
Foreign-born white, number.....	100,759	1,839	695	4,733	5,891	2,379	2,359	780
Number illiterate.....	6,120	454	12	230	357	88	83	29
Per cent illiterate.....	6.1	24.7	1.7	4.9	6.1	3.7	3.5	3.7
Negro, number.....	1,359	24	1	8	2	1	15	8
Number illiterate.....	46	2	1	1	2	1	1	1
Per cent illiterate.....	3.4	8.3	1.5	1.3	0.3	0.3	0.3	1.3
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>								
Total number.....	130,120	3,530	2,478	6,538	2,917	2,143	3,680	1,611
Number illiterate.....	942	86	5	30	43	7	10	16
Per cent illiterate.....	0.7	2.4	0.2	0.5	1.5	0.3	0.3	1.0
<b>SCHOOL AGE AND ATTENDANCE</b>								
Total number 6 to 20 years, inclusive.....	175,366	4,885	3,259	9,012	3,927	2,971	5,127	2,291
Number attending school.....	117,078	3,130	2,373	6,210	2,447	1,910	3,566	1,505
Per cent attending school.....	66.8	64.1	72.8	68.9	62.3	64.3	69.6	65.7
Number 6 to 9 years.....	45,266	1,355	781	2,474	1,010	828	1,447	680
Number attending school.....	33,894	1,808	572	1,890	790	591	1,089	481
Number 10 to 14 years.....	55,776	1,590	999	3,144	1,167	986	1,706	736
Number attending school.....	52,520	1,442	938	3,019	1,100	927	1,623	654
Number 15 to 17 years.....	34,084	915	669	1,753	784	574	1,005	435
Number attending school.....	22,825	631	494	1,069	442	331	670	295
Number 18 to 20 years.....	39,360	1,025	810	1,641	966	583	969	440
Number attending school.....	7,839	189	369	232	115	61	181	75
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>								
Total number.....	101,042	2,945	1,780	5,618	2,177	1,814	3,153	1,416
Number attending school.....	85,414	2,310	1,510	4,909	1,800	1,518	2,715	1,136
Per cent attending school.....	85.5	78.4	84.8	87.4	83.8	83.7	86.1	80.2
Native white—Native parentage, number.....	70,565	2,435	1,469	3,485	649	1,041	2,316	1,126
Number attending school.....	60,059	1,916	1,245	3,029	552	862	1,998	915
Per cent attending school.....	85.1	78.7	84.8	86.9	85.1	82.8	86.3	80.5
Native white—Foreign or mixed parentage, number.....	26,074	485	297	1,961	1,320	703	717	188
Number attending school.....	22,765	376	253	1,733	1,158	601	629	153
Per cent attending school.....	87.3	77.5	85.2	88.4	87.7	85.5	87.7	81.4
Foreign-born white, number.....	2,984	13	14	160	194	70	66	10
Number attending school.....	2,469	8	12	140	168	55	51	8
Per cent attending school.....	82.7	61.5	85.7	87.5	86.6	78.6	76.2	80.0
Negro, number.....	102	3	1	2	2	1	5	1
Number attending school.....	79	2	1	2	2	1	5	1
Per cent attending school.....	77.5	66.7	100.0	100.0	100.0	100.0	100.0	100.0
<b>DWELLINGS AND FAMILIES</b>								
Dwellings, number.....	144,832	4,340	2,422	7,041	3,254	2,354	4,276	2,364
Families, number.....	151,858	4,428	2,492	7,116	3,578	2,379	4,386	2,390

<sup>1</sup> Total includes 224 whites specially enumerated in 1890, not distributed by counties.

<sup>2</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Curry.	Douglas.	Gilliam. <sup>1</sup>	Grant. <sup>1</sup>	Harney. <sup>1</sup>	Hood River. <sup>1</sup>	Jackson. <sup>1</sup>	Josph-inc. <sup>1</sup>	Klamath. <sup>1</sup>
<b>POPULATION</b>									
Total population, 1910.....	2,044	19,674	3,701	5,607	4,059	2,816	25,756	9,567	8,554
1900.....	1,868	14,565	3,201	5,948	2,598	(2)	13,698	7,517	3,970
1890.....	1,708	11,864	3,600	5,080	2,559	.....	11,455	4,878	2,444
1880.....	1,208	9,596	.....	4,303	.....	.....	8,154	2,485	.....
1870.....	504	6,066	.....	2,251	.....	.....	4,778	1,204	.....
Increase, 1900-1910.....	176	5,109	500	-341	1,461	2,816	12,058	2,050	4,584
Per cent of increase.....	9.4	35.1	15.6	-5.7	56.2	(2)	88.0	27.3	115.5
Increase, 1890-1900.....	159	2,701	-399	868	39	.....	2,243	2,639	2,390
Per cent of increase.....	9.3	22.8	-11.1	17.1	1.5	.....	19.6	54.1	18.0
Land area (square miles).....	1,498	4,922	1,201	4,520	9,933	543	2,836	1,751	5,999
Population per square mile, 1910.....	1.4	4.0	3.1	1.2	0.4	14.8	9.1	5.5	1.4
Rural population per square mile, 1910.....	1.4	3.0	3.1	1.2	0.4	14.8	4.2	3.2	1.0
<b>URBAN AND RURAL TERRITORY.</b>									
Urban, 1910—Places of 2,500 or more in 1910.....	.....	4,738	.....	.....	.....	(2)	13,880	3,897	2,768
Same places in 1900.....	.....	1,090	.....	.....	.....	(2)	4,425	2,290	447
Per cent of increase, 1900-1910.....	.....	180.4	.....	.....	.....	(2)	213.2	70.2	517.0
Rural, 1910—Remainder of county in 1910.....	2,044	14,936	3,701	5,607	4,059	2,816	11,896	5,670	5,796
Same territory in 1900.....	1,868	12,875	3,201	5,948	2,598	2,485	9,273	5,227	3,523
Per cent of increase, 1900-1910.....	9.4	16.0	15.6	-5.7	56.2	2,816	28.3	8.5	64.5
Urban, 1900—Places of 2,500 or more in 1900.....	.....	.....	.....	.....	.....	(2)	2,634	.....	.....
Rural, 1900—Remainder of county in 1900.....	1,868	14,565	3,201	5,948	2,598	(2)	11,064	7,517	3,970
Per cent in places of 2,500 or more, 1910.....	.....	24.1	.....	.....	.....	(2)	53.8	40.7	32.2
Per cent in places of 2,500 or more, 1900.....	.....	.....	.....	.....	.....	(2)	19.2	.....	.....
<b>COLOR AND NATIVITY</b>									
White.....	1,892	19,418	3,686	5,532	3,985	7,508	25,578	9,515	7,493
Number in 1900.....	1,712	14,373	3,114	5,825	2,556	.....	13,644	7,444	2,929
Number in 1890.....	1,628	11,473	3,530	4,787	2,609	.....	11,109	4,774	2,406
Negro.....	1	11	1	3	2	8	41	4	21
Number in 1900.....	2	2	.....	6	3	.....	9	1	2
Number in 1890.....	2	88	1	22	7	.....	84	6	12
Black.....	1	7	1	.....	2	.....	12	3	20
Mulatto.....	.....	4	.....	3	.....	.....	4	1	1
Indian, Chinese, Japanese, and all other (see Tables 1 and 15).....	151	245	14	72	72	500	137	48	1,040
Native white—Native parentage.....	1,363	15,415	2,734	4,285	3,133	5,147	20,280	7,430	5,467
Number in 1900.....	1,188	11,484	2,371	4,487	2,077	.....	10,776	5,907	2,285
Native white—Foreign or mixed parentage.....	386	2,606	672	740	500	1,339	3,371	1,396	1,135
Number in 1900.....	340	1,937	580	808	304	.....	1,974	1,022	438
Native white—Foreign parentage.....	186	1,188	280	365	242	678	1,643	619	587
Native white—Mixed parentage.....	170	1,417	292	375	258	661	1,728	777	548
Foreign-born white.....	193	1,398	380	507	352	1,022	1,927	689	891
Number in 1900.....	184	852	223	686	174	.....	894	515	206
<b>PER CENT OF TOTAL POPULATION.</b>									
Native white—Native parentage.....	66.7	78.4	73.9	76.4	77.2	64.2	78.7	77.7	63.9
Per cent in 1900.....	63.6	72.8	74.1	74.4	79.9	.....	78.7	78.6	67.6
Native white—Foreign or mixed parentage.....	16.4	13.2	15.5	13.2	12.3	16.7	13.1	14.6	13.3
Per cent in 1900.....	18.2	18.3	16.2	13.5	11.7	.....	14.4	15.6	11.0
Foreign-born white.....	9.4	7.1	10.3	9.0	8.7	12.7	7.5	7.2	10.4
Per cent in 1900.....	9.9	6.5	7.0	10.0	6.7	.....	6.5	6.9	5.2
<b>FOREIGN NATIONALITIES</b>									
<b>FOREIGN-BORN WHITE: Born in—</b>									
Austria.....	6	39	3	13	4	38	35	23	103
Belgium.....	1	3	.....	.....	.....	5	6	4	4
Bulgaria.....	.....	3	.....	.....	.....	24	1	.....	1
Canada—French.....	4	30	8	3	9	17	62	8	11
Canada—Other.....	16	201	54	35	26	112	334	118	124
Denmark.....	30	32	2	26	9	28	40	31	20
England.....	12	165	38	63	28	97	248	115	63
Finland.....	14	59	3	1	7	39	6	11	4
France.....	1	21	1	4	14	20	32	8	20
Germany.....	29	329	33	67	85	136	348	145	189
Greece.....	3	19	33	49	1	100	188	17	43
Holland.....	1	3	3	3	1	2	8	4	6
Hungary.....	1	7	1	2	15	11	23	6	4
Ireland.....	16	87	74	34	27	30	104	36	65
Italy.....	.....	84	22	10	.....	79	99	14	28
Norway.....	4	75	11	6	12	50	44	18	30
Russia.....	.....	13	.....	1	3	23	14	3	16
Scotland.....	8	52	78	64	12	40	76	25	17
Sweden.....	18	89	14	18	28	85	162	76	48
Switzerland.....	19	27	2	26	13	30	37	27	19
Turkey.....	1	1	.....	.....	.....	4	11	2	2
Wales.....	1	18	.....	5	7	1	16	3	1
Other foreign countries.....	10	41	.....	27	51	51	33	14	73
<b>NATIVE WHITE: Both parents born in—</b>									
Austria.....	.....	12	1	1	6	5	23	8	58
Canada—French.....	.....	20	3	1	3	6	28	5	2
Canada—Other.....	9	74	19	22	15	52	127	34	45
Denmark.....	17	22	9	12	13	20	33	2	4
England.....	13	109	42	52	11	68	195	87	45
France.....	.....	10	2	5	2	13	22	3	11
Germany.....	37	350	75	78	69	183	516	189	157
Holland.....	1	2	.....	2	.....	3	6	2	4
Ireland.....	23	133	44	44	33	52	168	75	88
Italy.....	.....	16	.....	.....	.....	2	8	.....	.....
Norway.....	8	36	10	6	5	37	37	21	9
Russia.....	.....	9	.....	1	.....	7	5	.....	4
Scotland.....	6	35	32	27	7	26	59	28	10
Sweden.....	5	73	14	17	11	41	119	23	12
Switzerland.....	10	14	1	14	4	16	30	15	11
All others of foreign parentage.....	37	273	40	83	63	147	267	127	127

<sup>1</sup> For changes in boundaries, etc., see page 605.

<sup>2</sup> For combined figures for Hood River and Wasco Counties, see Note 1 on page 605.  
<sup>3</sup> See Note 2 on page 605.

STATISTICS OF POPULATION.

POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Curry.	Douglas.	Gilliam. <sup>1</sup>	Grant. <sup>1</sup>	Harney. <sup>1</sup>	Hood River. <sup>1</sup>	Jackson. <sup>1</sup>	Josephine. <sup>1</sup>	Klamath. <sup>1</sup>
<b>SEX</b>									
Total.. Male.....	1,234	11,242	2,213	3,276	2,492	4,813	15,149	5,429	5,162
Female.....	810	8,432	1,488	2,331	1,567	3,203	10,607	4,138	3,402
White.. Male.....	1,155	11,060	2,200	3,204	2,445	4,326	14,991	5,401	4,641
Female.....	737	8,358	1,486	2,328	1,540	3,182	10,537	4,114	2,852
Negro... Male.....	1	11	1	2	2	2	30	3	14
Female.....	1	1	1	1	1	6	11	1	7
<b>MALES OF VOTING AGE</b>									
Total number.....	784	7,098	1,423	2,060	1,688	3,252	10,437	3,383	3,509
Number in 1900.....	680	4,408	1,109	2,611	1,068	4,311	2,612	2,612	1,296
Native white—Native parentage.....	472	5,103	955	1,394	1,131	1,673	7,053	2,385	2,062
Number in 1900.....	360	3,296	736	1,708	770	3,141	1,858	737	507
Native white—Foreign or mixed parentage.....	132	921	207	258	240	421	1,354	523	507
Number in 1900.....	80	506	165	351	113	674	364	175	175
Native white—Foreign parentage.....	60	480	99	100	139	246	737	286	305
Native white—Mixed parentage.....	63	441	108	98	101	175	597	237	202
Foreign-born white.....	136	947	250	337	278	724	1,300	459	652
Number in 1900.....	115	608	147	440	155	648	351	351	133
Negro.....	1	9	1	2	2	2	21	3	12
Number in 1900.....	2	2	1	4	3	5	5	1	2
Indian, Chinese, Japanese, and all other.....	43	118	10	69	37	432	120	13	276
<b>PER CENT OF TOTAL.</b>									
Native white—Native parentage.....	60.2	71.9	67.1	67.7	67.0	51.4	73.3	70.5	58.8
Native white—Foreign or mixed parentage.....	16.8	13.0	14.5	12.5	14.2	12.9	12.8	15.5	14.4
Foreign-born white.....	17.3	13.3	17.6	16.4	16.5	22.3	12.5	13.6	18.6
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>									
Naturalized.....	94	578	128	216	136	265	650	261	268
Having first papers.....	18	74	15	25	59	78	102	40	82
Alien.....	9	164	61	61	37	307	320	45	198
Unknown.....	15	131	46	35	46	74	237	113	104
<b>ILLITERACY</b>									
<b>ILLITERATE MALES OF VOTING AGE.</b>									
Total number illiterate.....	8	142	36	65	43	115	154	30	220
Per cent illiterate.....	1.0	2.0	2.5	3.2	2.5	3.5	1.5	0.9	6.3
Per cent in 1900.....	4.4	3.3	4.4	3.4	2.6	3.5	1.9	2.1	15.1
Native white, number illiterate.....	2	41	9	8	5	7	58	16	17
Per cent illiterate.....	0.3	0.7	0.8	0.5	0.4	0.3	0.6	0.6	0.7
Foreign-born white, number illiterate.....	5	67	24	14	8	54	79	12	86
Per cent illiterate.....	3.7	7.1	9.6	4.2	2.9	7.5	6.0	2.6	13.2
Negro, number illiterate.....	1	1	1	1	1	1	2	1	2
Per cent illiterate.....	100	100	100	100	100	100	100	100	100
<b>PERSONS 10 YEARS OLD AND OVER.</b>									
Total number.....	1,615	15,905	2,931	4,367	3,254	6,576	21,532	7,698	6,893
Number illiterate.....	22	233	50	85	77	158	219	61	424
Per cent illiterate.....	1.4	1.5	1.7	1.9	2.4	2.4	1.0	0.8	6.2
Native white, number.....	1,312	14,304	2,545	3,789	2,839	5,055	19,462	6,683	5,220
Number illiterate.....	7	86	15	19	11	16	99	36	24
Per cent illiterate.....	0.5	0.6	0.6	0.5	0.4	0.3	0.5	0.5	0.5
Foreign-born white, number.....	191	1,381	371	503	349	1,016	1,905	675	879
Number illiterate.....	5	92	32	21	11	67	87	22	112
Per cent illiterate.....	2.6	6.7	8.6	4.2	3.2	6.6	5.1	3.3	12.7
Negro, number.....	1	11	1	3	2	8	33	4	20
Number illiterate.....	1	1	1	1	1	1	2	1	2
Per cent illiterate.....	100	100	100	100	100	100	100	100	100
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>									
Total number.....	435	4,110	730	1,133	704	1,517	4,884	2,041	1,490
Number illiterate.....	3	24	10	2	4	19	22	9	10
Per cent illiterate.....	0.7	0.6	1.4	0.2	0.6	1.3	0.5	0.4	1.3
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive.....	591	5,624	1,025	1,629	998	2,042	6,687	2,783	2,117
Number attending school.....	374	3,982	683	1,164	579	1,295	4,650	1,970	1,487
Per cent attending school.....	63.3	70.4	66.6	71.5	58.0	63.4	69.5	70.8	70.2
Number 6 to 9 years.....	156	1,514	295	406	294	525	1,803	742	618
Number attending school.....	80	1,153	228	374	151	323	1,307	540	482
Number 10 to 14 years.....	208	1,887	324	541	331	651	2,135	964	645
Number attending school.....	176	1,785	302	521	286	615	2,040	907	607
Number 15 to 17 years.....	124	1,145	177	276	173	372	1,317	533	409
Number attending school.....	92	824	121	212	112	267	946	391	301
Number 18 to 20 years.....	103	1,098	229	316	200	494	1,432	544	445
Number attending school.....	26	220	32	67	30	90	357	132	97
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Total number.....	364	3,381	619	1,037	625	1,176	3,038	1,706	1,263
Number attending school.....	256	2,918	530	895	437	938	3,347	1,447	1,089
Per cent attending school.....	70.3	86.3	85.6	86.3	69.9	79.8	85.0	84.8	86.2
Native white—Native parentage, number.....	276	2,805	514	870	564	912	3,412	1,434	872
Number attending school.....	198	2,475	436	747	393	726	2,887	1,214	752
Per cent attending school.....	71.7	86.4	84.8	85.9	69.7	79.6	84.6	84.7	86.2
Native white—Foreign or mixed parentage, number.....	48	459	101	154	54	245	491	238	173
Number attending school.....	38	392	90	135	41	203	433	205	167
Per cent attending school.....	79.2	85.4	89.1	89.6	76.0	82.9	88.2	86.1	90.8
Foreign-born white, number.....	4	28	4	13	2	13	24	21	19
Number attending school.....	3	25	4	10	2	8	20	19	15
Per cent attending school.....	75.0	89.3	100	76.9	100	61.5	83.3	90.5	78.9
Negro, number.....	1	1	1	1	1	1	1	1	1
Number attending school.....	1	1	1	1	1	1	1	1	1
Per cent attending school.....	100	100	100	100	100	100	100	100	100
<b>DWELLINGS AND FAMILIES</b>									
Dwellings, number.....	531	4,530	872	1,546	1,171	1,927	5,563	2,404	1,963
Families, number.....	536	4,590	908	1,552	1,174	1,958	5,707	2,471	2,026

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.



TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Lake. <sup>1</sup>	Lane.	Lincoln. <sup>1</sup>	Linn.	Malheur. <sup>1</sup>	Marion.	Morrow. <sup>1</sup>	Multnomah.	Polk.
<b>POPULATION</b>									
Total population, 1910	4,658	33,763	5,587	22,662	8,601	39,780	4,357	226,261	13,469
1900	2,847	19,004	3,575	18,603	4,203	27,713	4,151	103,187	9,923
1890	2,604	15,198		16,265	2,601	22,934	4,205	74,884	7,888
1880	2,804	9,411		12,676		14,576		25,203	6,901
1870		6,426		8,717		9,965		11,510	4,701
Increase, 1900-1910	1,811	14,179	2,012	4,059	4,398	12,067	206	123,094	3,546
Per cent of increase	63.6	72.3	56.3	21.8	104.6	43.5	5.0	119.3	35.7
Increase, 1890-1900	243	4,406	3,575	2,338	1,602	4,779	-54	28,288	2,103
Per cent of increase	9.3	29.0		14.4	61.6	20.8	-1.3	37.8	24.3
Land area (square miles)	7,920	4,612	1,008	2,243	9,883	1,194	2,025	451	700
Population per square mile, 1910	0.6	7.3	5.5	10.1	0.9	33.3	2.2	501.7	19.0
Rural population per square mile, 1910	0.6	5.4	5.5	8.2	0.9	21.5	2.2	31.4	19.0
<b>URBAN AND RURAL TERRITORY.</b>									
Urban, 1910—Places of 2,500 or more in 1910		9,009		4,275		14,094		212,086	
Same places in 1900		3,236		3,149		4,253		90,426	
Per cent of increase, 1900-1910		178.4		36.8		231.0		134.5	
Rural, 1910—Remainder of county in 1910	4,658	24,774	5,587	18,387	8,601	25,686	4,357	14,175	13,469
Same territory in 1900	2,847	16,368	3,575	15,464	4,203	23,465	4,151	12,741	9,923
Per cent of increase, 1900-1910	63.6	51.4	56.3	19.0	104.6	9.5	5.0	11.3	35.7
Urban, 1900—Places of 2,500 or more in 1900		3,236		3,149		4,253		90,426	
Rural, 1900—Remainder of county in 1900	2,847	16,368	3,575	15,464	4,203	23,465	4,151	12,741	9,923
Per cent in places of 2,500 or more, 1910		26.7		18.9		35.4		63.7	
Per cent in places of 2,500 or more, 1900		16.5		16.9		15.4		87.7	
<b>COLOR AND NATIVITY</b>									
White	4,550	33,071	5,146	22,617	8,432	38,788	4,340	217,418	13,192
Number in 1900	2,766	19,468	3,091	18,467	4,067	26,837	4,180	95,030	9,740
Number in 1890	2,654	16,074		16,112	2,425	22,205	4,177	69,102	7,793
Negro	8	13	2	2	14	58	5	1,081	2
Number in 1900	4	17	5	16	7	49		732	2
Number in 1890	9	7		20	3	159	3	550	5
Black	2		2	2	9	36	5	794	1
Mulatto	6	6			5	22		297	1
Indian, Chinese, Japanese, and all other (see Tables I and 15)	91	99	439	43	155	934	12	7,702	275
Native white—Native parentage	3,497	25,692	3,409	17,301	6,272	24,522	3,336	113,923	10,167
Number in 1900	2,929	15,064	2,026	14,654	5,117	16,588	5,294	44,870	7,557
Native white—Foreign or mixed parentage	531	4,944	1,015	3,633	1,115	9,090	574	55,591	1,958
Number in 1900	323	2,575	665	2,658	580	6,551	525	28,070	1,385
Native white—Foreign parentage	250	2,509	542	1,843	527	5,041	303	35,624	902
Native white—Mixed parentage	281	2,435	473	1,790	588	4,049	271	19,967	996
Foreign-born white	531	3,035	602	1,683	1,045	5,170	490	47,904	1,037
Number in 1900	444	1,219	400	1,275	300	3,693	511	20,090	804
<b>PER CENT OF TOTAL POPULATION.</b>									
Native white—Native parentage	75.1	76.1	62.1	76.3	72.9	61.6	76.6	50.4	75.7
Per cent in 1900	61.6	79.9	56.7	78.1	74.2	59.9	79.4	43.5	76.2
Native white—Foreign or mixed parentage	11.4	14.6	18.2	16.0	13.0	22.9	13.2	24.6	14.5
Per cent in 1900	11.3	15.1	18.6	14.3	13.8	23.6	13.6	27.2	14.0
Foreign-born white	11.4	9.0	11.8	7.4	12.1	13.0	9.9	21.2	7.7
Per cent in 1900	5.1	6.2	11.2	6.9	8.6	13.3	7.5	19.5	8.1
<b>FOREIGN NATIONALITIES</b>									
<b>FOREIGN-BORN WHITE: Born in—</b>									
Austria	6	133	16	169	64	167	2	2,665	62
Belgium		3	1	6	1	47		249	5
Bulgaria		47			15	20		188	3
Canada—French	1	33	5	5	5	79	2	477	10
Canada—Other	30	378	54	316	115	592	41	5,232	210
Denmark	7	361	28	22	19	148	7	1,348	24
England	39	249	56	163	75	389	30	3,885	63
Finland	4	31	123	3	4	52		1,004	2
France	12	19	3	24	22	99	8	534	9
Germany	81	398	90	458	80	1,474	45	8,190	204
Greece	67	352	3	75	58	116	22	895	43
Holland	1	18	1	0	49	37		237	25
Hungary		15	8	13	1	215		636	15
Ireland	141	125	18	64	57	214	190	2,418	23
Italy	3	124	2	37	64	74		2,783	3
Norway	19	203	77	55	11	467	3	2,975	47
Russia	5	63	38	49	15	152	13	4,108	93
Scotland									
Sweden	4	99	22	39	62	103	18	1,663	31
Switzerland	43	194	44	70	25	283	44	5,235	49
Turkey	3	80	23	74	11	350	3	1,541	45
Wales		36		7	2	6		465	9
Other foreign countries	1	17	5	5	8	28		237	9
	64	57	6	23	252	64	2	939	33
<b>NATIVE WHITE: Both parents born in—</b>									
Austria		38	10	190	5	97	2	651	10
Canada—French	3	16	2	7	6	43	2	269	9
Canada—Other	14	181	21	120	33	162	18	1,728	86
Denmark	7	349	20	18	19	80		795	23
England	33	224	23	102	52	237	20	2,266	74
France	2	18	2	16	7	43		327	4
Germany	74	528	81	794	119	1,648	39	9,699	281
Holland	3	16	2	14	15	37		208	7
Ireland	40	166	17	89	89	228	72	3,389	42
Italy	1	3		1	3	6		919	1
Norway		235	74	56	9	575	3	1,743	33
Russia		22	10	37	8	119	3	2,244	99
Scotland	10	74	19	32	18	62	8	844	31
Sweden	22	82	39	66	25	120	58	3,223	54
Switzerland	2	79	6	43	3	318	6	998	29
All others of foreign parentage	39	478	216	258	116	966	72	6,321	179

<sup>1</sup> For changes in boundaries, etc., see page 605.

<sup>2</sup> See Note 2 on page 605.

# STATISTICS OF POPULATION.

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## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Lake. <sup>1</sup>	Lane.	Lincoln. <sup>1</sup>	Linn.	Malheur. <sup>1</sup>	Marion.	Morrow. <sup>1</sup>	Multnomah.	Polk.
<b>SEX</b>									
Total . . . . . Male . . . . .	2,896	18,560	3,117	12,072	5,311	21,584	2,538	129,842	7,369
Female . . . . .	1,782	15,223	2,470	10,590	3,290	18,196	1,819	98,419	6,100
White . . . . . Male . . . . .	2,837	18,469	2,885	12,029	5,170	20,871	2,530	121,931	7,166
Female . . . . .	1,722	15,202	2,260	10,588	3,262	17,917	1,810	95,487	6,026
Negro . . . . . Male . . . . .	6	13	2	1	7	45	5	629	1
Female . . . . .	2	2	2	1	7	13	5	452	1
<b>MALES OF VOTING AGE</b>									
Total number . . . . .	2,002	11,307	1,889	7,164	3,487	13,510	1,562	96,038	4,509
Number in 1900 . . . . .	1,025	6,954	1,008	5,515	1,571	8,624	1,375	42,440	3,012
Native white—Native parentage . . . . .	1,312	7,801	1,101	5,060	2,152	7,542	1,081	44,486	3,174
Number in 1900 . . . . .	771	4,471	559	4,028	1,009	4,795	1,010	16,793	2,194
Native white—Foreign or mixed parentage . . . . .	229	1,416	254	1,055	402	2,583	164	16,413	553
Number in 1900 . . . . .	107	334	109	671	199	1,491	142	6,892	551
Native white—Foreign parentage . . . . .	123	818	130	600	206	1,625	99	11,223	309
Native white—Mixed parentage . . . . .	106	598	124	455	196	958	65	5,190	244
Foreign-born white . . . . .	422	2,005	414	1,008	751	3,016	311	27,721	620
Number in 1900 . . . . .	116	748	344	710	201	2,074	203	10,959	412
Negro . . . . .	6	10	2	1	4	37	6	544	1
Number in 1900 . . . . .	2	9	5	7	4	21	2	591	2
Indian, Chinese, Japanese, and all other . . . . .	33	75	128	40	118	332	6	6,874	161
<b>PER CENT OF TOTAL.</b>									
Native white—Native parentage . . . . .	65.5	69.0	58.0	70.6	61.7	55.6	69.2	46.3	70.4
Native white—Foreign or mixed parentage . . . . .	11.4	12.5	13.4	14.7	13.2	19.1	10.5	17.1	12.3
Foreign-born white . . . . .	21.1	17.7	21.8	14.1	21.5	22.3	19.9	28.9	13.8
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>									
Naturalized . . . . .	141	931	284	537	247	1,659	152	12,314	316
Having first papers . . . . .	74	153	81	69	51	206	34	3,442	60
Alien . . . . .	148	611	11	167	307	467	62	7,902	135
Unknown . . . . .	59	310	38	205	146	694	63	4,063	109
<b>ILLITERACY</b>									
<b>ILLITERATE MALES OF VOTING AGE.</b>									
Total number illiterate . . . . .	62	282	73	61	105	416	12	1,670	64
Per cent illiterate . . . . .	3.1	2.5	3.8	0.9	3.0	3.1	0.8	1.7	1.4
Per cent in 1900 . . . . .	1.9	2.5	11.2	2.2	4.6	4.1	2.9	7.9	2.7
Native white, number illiterate . . . . .	4	70	5	29	10	189	3	95	13
Per cent illiterate . . . . .	0.3	0.8	0.4	0.5	0.4	1.9	0.2	0.2	0.3
Foreign-born white, number illiterate . . . . .	46	202	6	31	60	138	8	1,173	33
Per cent illiterate . . . . .	10.9	10.1	1.4	3.1	8.0	4.6	2.6	4.2	5.3
Negro, number illiterate . . . . .	1	1	1	1	1	1	1	1	1
Per cent illiterate . . . . .	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
<b>PERSONS 10 YEARS OLD AND OVER.</b>									
Total number . . . . .	3,793	27,113	4,382	18,154	6,837	32,783	3,416	196,043	10,866
Number illiterate . . . . .	98	433	160	149	146	672	18	2,862	124
Per cent illiterate . . . . .	2.6	1.6	3.7	0.8	2.1	2.0	0.5	1.5	1.1
Native white, number . . . . .	3,192	24,004	3,406	16,448	5,647	26,776	2,973	141,051	9,615
Number illiterate . . . . .	11	142	13	86	15	347	4	229	30
Per cent illiterate . . . . .	0.3	0.6	0.4	0.5	0.3	1.3	0.1	0.2	0.3
Foreign-born white, number . . . . .	527	3,002	650	1,661	1,033	5,094	428	46,501	1,008
Number illiterate . . . . .	60	273	11	61	72	225	12	2,163	48
Per cent illiterate . . . . .	11.4	9.1	1.7	3.7	7.0	4.4	2.8	4.7	4.8
Negro, number . . . . .	8	13	2	2	10	56	5	990	2
Number illiterate . . . . .	1	1	1	1	1	1	1	1	1
Per cent illiterate . . . . .	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>									
Total number . . . . .	840	7,406	1,151	5,113	1,649	8,761	902	37,168	2,922
Number illiterate . . . . .	11	60	3	9	19	33	1	241	9
Per cent illiterate . . . . .	1.3	0.8	0.3	0.2	1.2	0.4	0.1	0.6	0.3
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive . . . . .	1,179	10,058	1,611	6,971	2,368	11,568	1,261	49,399	3,977
Number attending school . . . . .	712	7,211	1,097	4,814	1,491	8,119	901	29,539	2,744
Per cent attending school . . . . .	60.4	71.7	68.1	69.1	63.0	70.2	71.5	61.0	69.0
Number 6 to 9 years . . . . .	339	2,652	460	1,858	719	2,807	359	11,231	1,055
Number attending school . . . . .	197	2,123	314	1,335	480	2,058	253	8,649	756
Number 10 to 14 years . . . . .	376	3,324	554	2,285	725	3,867	403	14,093	1,316
Number attending school . . . . .	330	3,182	507	2,172	609	3,665	391	13,121	1,242
Number 15 to 17 years . . . . .	230	1,993	334	1,443	430	2,490	251	9,791	819
Number attending school . . . . .	149	1,388	221	1,002	284	1,755	199	5,593	573
Number 18 to 20 years . . . . .	234	2,089	293	1,355	494	2,408	248	13,284	787
Number attending school . . . . .	36	618	55	305	118	641	58	2,201	173
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Total number . . . . .	715	5,976	1,014	4,143	1,444	6,664	762	25,324	2,371
Number attending school . . . . .	527	5,805	821	3,507	1,089	5,723	644	21,770	1,908
Per cent attending school . . . . .	73.7	88.8	81.0	84.6	75.4	85.9	84.5	86.0	84.3
Native white—Native parentage, number . . . . .	611	4,883	651	3,353	1,225	4,363	626	13,920	1,879
Number attending school . . . . .	449	4,333	526	2,817	926	3,710	526	11,951	1,585
Per cent attending school . . . . .	73.5	88.7	80.8	84.0	75.6	84.6	84.0	85.9	84.4
Native white—Foreign or mixed parentage, number . . . . .	87	1,046	252	769	187	1,894	130	9,395	439
Number attending school . . . . .	65	936	209	674	139	1,645	112	8,186	373
Per cent attending school . . . . .	74.3	89.5	82.9	87.6	74.3	87.3	86.2	87.1	85.0
Foreign-born white, number . . . . .	5	40	25	21	26	143	6	1,785	33
Number attending school . . . . .	3	30	21	16	22	119	6		

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Sherman. <sup>1</sup>	Tillamook. <sup>1</sup>	Umatilla. <sup>1</sup>	Union. <sup>1</sup>	Wallowa. <sup>1</sup>	Wasco. <sup>1</sup>	Washington.	Wheeler. <sup>1</sup>	Yamhill.
<b>POPULATION</b>									
Total population, 1910.....	4,242	6,266	20,309	16,191	8,264	216,336	21,522	2,484	18,285
1900.....	3,477	4,471	18,049	10,070	5,538	213,190	14,467	2,443	13,420
1890.....	1,792	2,932	13,381	12,044	3,661	9,183	11,972	.....	10,092
1880.....	.....	970	9,607	6,650	.....	11,120	7,082	.....	7,945
1870.....	.....	408	2,916	2,552	.....	2,509	4,261	.....	5,012
Increase, 1900-1910.....	765	1,795	2,260	121	2,826	3,137	7,055	41	4,865
Per cent of increase.....	22.0	40.1	12.5	0.8	51.0	23.8	48.8	1.7	36.3
Increase, 1890-1900.....	1,685	1,539	3,271	4,026	1,877	3,734	2,495	2,443	2,478
Per cent of increase.....	94.0	52.5	24.4	33.4	51.3	40.7	20.8	.....	23.2
Land area (square miles).....	836	1,125	3,173	2,087	3,145	2,343	731	1,704	714
Population per square mile, 1910.....	5.1	5.6	6.4	7.8	2.7	7.0	29.4	1.5	25.6
Rural population per square mile, 1910.....	5.1	5.6	5.0	5.4	2.7	4.9	29.4	1.5	25.6
<b>URBAN AND RURAL TERRITORY.</b>									
Urban, 1910—Places of 2,500 or more in 1910.....	.....	.....	4,460	4,843	.....	24,880	.....	.....	.....
Same places in 1900.....	.....	.....	4,406	2,991	.....	23,542	.....	.....	.....
Per cent of increase, 1900-1910.....	.....	.....	1.2	61.9	.....	37.8	.....	.....	.....
Rural, 1910—Remainder of county in 1910.....	4,242	6,266	15,849	11,348	8,364	211,456	21,522	2,484	18,285
Same territory in 1900.....	3,477	4,471	13,643	10,358	5,538	6,172	14,467	2,443	13,420
Per cent of increase, 1900-1910.....	22.0	40.1	16.2	9.0	51.0	85.0	48.8	1.7	36.3
Urban, 1900—Places of 2,500 or more in 1900.....	.....	.....	4,406	2,991	.....	23,542	.....	.....	.....
Rural, 1900—Remainder of county in 1900.....	3,477	4,471	13,643	10,358	5,538	6,172	14,467	2,443	13,420
Per cent in places of 2,500 or more, 1910.....	.....	.....	22.0	29.9	.....	29.9	.....	.....	.....
Per cent in places of 2,500 or more, 1900.....	.....	.....	24.4	18.0	.....	26.8	.....	.....	.....
<b>COLOR AND NATIVITY</b>									
White.....	4,238	6,234	19,157	15,999	8,350	15,763	21,438	2,482	18,050
Number in 1900.....	3,444	4,415	16,777	15,764	5,536	12,416	14,415	2,436	13,165
Number in 1890.....	1,758	2,885	13,079	11,008	3,661	8,768	11,796	.....	10,649
Negro.....	1	1	55	21	1	31	7	2	6
Number in 1900.....	1	1	30	5	1	10	16	.....	1
Number in 1890.....	1	1	33	11	.....	44	5	.....	14
Black.....	1	1	39	9	1	27	3	2	4
Mulatto.....	.....	.....	16	12	.....	4	4	.....	2
Indian, Chinese, Japanese, and all other (see Tables 1 and 15).....	3	31	1,097	171	13	542	77	.....	229
Native white—Native parentage.....	2,710	3,834	14,611	12,167	7,220	8,821	11,848	2,131	13,316
Number in 1900.....	2,583	2,778	12,316	12,365	4,845	8,265	7,550	2,062	7,773
Native white—Foreign or mixed parentage.....	615	1,244	2,944	2,572	773	2,628	5,751	230	3,205
Number in 1900.....	570	1,002	2,842	2,299	517	2,040	4,222	237	2,872
Native white—Foreign parentage.....	345	647	1,557	1,288	340	1,483	3,614	115	1,557
Native white—Mixed parentage.....	270	597	1,387	1,284	433	1,145	2,137	115	1,048
Foreign-born white.....	913	1,156	1,602	1,260	357	4,314	3,839	121	1,529
Number in 1900.....	291	635	1,019	1,100	174	1,511	2,659	137	1,180
<b>PER CENT OF TOTAL POPULATION.</b>									
Native white—Native parentage.....	63.9	61.2	71.9	75.1	86.3	54.0	55.1	85.8	72.8
Per cent in 1900.....	74.3	62.1	68.2	76.9	87.5	62.6	62.2	34.4	78.8
Native white—Foreign or mixed parentage.....	14.5	19.9	14.5	15.9	9.2	16.1	26.7	9.3	17.5
Per cent in 1900.....	16.4	22.4	15.7	14.3	6.3	20.0	29.2	9.7	16.9
Foreign-born white.....	21.5	18.4	7.9	7.8	4.3	26.4	17.8	4.9	8.4
Per cent in 1900.....	8.4	14.2	9.0	6.8	3.1	11.4	18.2	5.6	8.5
<b>FOREIGN NATIONALITIES</b>									
<b>FOREIGN-BORN WHITE: Born in—</b>									
Austria.....	69	106	12	15	6	620	141	1	31
Belgium.....	3	11	11	7	.....	16	96	.....	1
Bulgaria.....	19	11	6	2	.....	78	25	.....	.....
Canada—French.....	5	13	38	27	5	35	17	1	25
Canada—Other.....	76	110	285	163	40	220	342	10	261
Denmark.....	38	41	44	55	11	62	126	1	168
England.....	34	59	119	127	46	147	216	22	165
Finland.....	32	21	73	8	7	41	101	.....	2
France.....	5	5	26	10	33	32	26	2	12
Germany.....	92	127	387	180	73	347	1,013	21	351
Greece.....	54	6	81	152	.....	336	78	.....	37
Holland.....	4	10	13	19	1	5	68	1	17
Hungary.....	2	.....	7	3	2	39	43	.....	8
Ireland.....	31	42	124	52	12	178	108	21	56
Italy.....	123	13	62	12	5	1,103	98	1	5
Norway.....	44	79	74	96	56	144	163	2	39
Russia.....	21	57	10	7	2	34	115	1	36
Scotland.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweden.....	28	16	90	83	6	124	100	29	85
Switzerland.....	175	218	67	152	23	487	346	.....	100
Turkey.....	7	147	27	46	14	66	500	4	62
Wales.....	19	20	2	1	.....	61	21	.....	2
Other foreign countries.....	2	3	7	11	3	20	17	2	6
.....	30	41	37	32	8	110	79	2	20
<b>NATIVE WHITE: Both parents born in—</b>									
Austria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canada—French.....	4	19	8	6	3	21	56	.....	18
Canada—Other.....	4	6	22	22	10	45	13	.....	13
Denmark.....	28	32	98	88	56	71	121	4	119
England.....	42	22	23	65	7	33	77	.....	170
France.....	9	33	105	142	22	69	134	17	108
.....	2	2	22	9	1	8	12	2	9
Germany.....	120	176	580	298	51	440	1,343	34	489
Holland.....	9	9	7	.....	.....	5	1,562	.....	19
Ireland.....	30	31	136	114	40	197	138	20	80
Italy.....	.....	1	8	3	1	15	35	.....	.....
Norway.....	7	29	84	60	33	38	82	1	41
Russia.....	10	8	13	1	.....	.....	.....	.....	.....
Scotland.....	17	16	62	1	3	9	103	.....	51
Sweden.....	11	80	65	79	17	76	69	8	54
Switzerland.....	3	77	10	82	20	77	167	1	66
All others of foreign parentage.....	53	106	305	262	41	316	688	26	290

<sup>1</sup> For changes in boundaries, etc., see page 605.

<sup>2</sup> For combined figures for Hood River and Wasco Counties, see Note 1 on page 605.  
<sup>3</sup> See Note 2 on page 605.

# STATISTICS OF POPULATION.

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## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Sher- man. <sup>1</sup>	Tilla- mook. <sup>1</sup>	Uma- tilla. <sup>1</sup>	Union. <sup>1</sup>	Wallowa. <sup>1</sup>	Wasco. <sup>1</sup>	Washing- ton.	Wheeler. <sup>1</sup>	Yamhill.
<b>SEX</b>									
Total... Male	2,889	3,787	11,187	8,896	4,756	10,840	12,016	1,432	9,616
Female	1,553	2,529	9,122	7,295	3,608	5,496	9,508	1,052	8,669
White... Male	2,686	3,721	10,571	8,719	4,743	10,491	11,941	1,431	9,491
Female	1,552	2,513	8,586	7,280	3,607	5,272	9,497	1,051	8,559
Negro... Male			35	12		23	5	1	5
Female	1	1	20	9	1	8	2	1	1
<b>MALES OF VOTING AGE</b>									
Total number	1,829	2,402	6,929	5,330	2,724	7,902	7,167	880	5,676
Number in 1900	1,166	1,365	6,153	5,306	1,677	4,547	4,119	883	3,820
Native white—Native parentage	874	1,218	4,600	3,529	2,233	3,082	3,374	711	3,342
Number in 1900	815	787	3,916	3,667	1,424	2,500	1,981	700	2,613
Native white—Foreign or mixed parentage	226	374	907	851	247	1,060	1,330	70	852
Number in 1900	151	186	750	717	145	681	680	79	485
Native white—Foreign parentage	123	212	510	519	130	687	904	41	442
Native white—Mixed parentage	98	162	397	332	117	373	426	38	410
Foreign-born white	726	797	1,025	784	232	3,495	2,390	90	910
Number in 1900	177	373	1,018	694	107	2,926	1,417	87	683
Negro			31	8		18	5		4
Number in 1900	1	5	17	3		9	6		1
Indian, Chinese, Japanese, and all other	3	13	366	153	12	247	68		68
<b>PER CENT OF TOTAL.</b>									
Native white—Native parentage	47.8	50.7	66.4	66.2	82.0	39.0	47.1	80.8	67.7
Native white—Foreign or mixed parentage	12.4	15.6	13.1	16.0	9.1	13.4	18.6	9.0	15.0
Foreign-born white	39.7	33.2	14.8	14.7	8.5	44.2	33.3	10.2	16.0
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>									
Naturalized	207	333	569	399	133	807	1,277	51	634
Having first papers	61	114	127	66	23	257	281	5	49
Alien	394	237	165	200	27	2,129	527	9	142
Unknown	64	63	164	119	49	305	305	26	85
<b>ILLITERACY</b>									
<b>ILLITERATE MALES OF VOTING AGE.</b>									
Total number illiterate	67	176	290	37	20	756	191	14	75
Per cent illiterate	3.7	7.3	4.2	0.7	0.7	9.6	2.7	1.6	1.3
Per cent in 1900	1.8	3.5	5.3	2.1	1.3	5.7	2.5	2.3	2.1
Native white, number illiterate	1	14	37	21	14	23	29	12	30
Per cent illiterate	0.1	0.9	0.7	0.5	0.6	0.6	0.6	1.5	0.6
Foreign-born white, number illiterate	66	162	82	13	2	646	150	2	32
Per cent illiterate	9.1	20.3	8.0	1.7	0.9	18.5	6.3		3.5
Negro, number illiterate			1			2			
Per cent illiterate									
<b>PERSONS 10 YEARS OLD AND OVER.</b>									
Total number	3,459	5,088	16,267	12,680	6,354	13,864	17,118	1,944	14,741
Number illiterate	83	249	584	69	38	995	316	22	147
Per cent illiterate	2.4	4.9	3.6	0.5	0.6	7.2	1.8	1.1	1.0
Native white, number	2,544	3,879	13,782	11,255	5,989	9,104	13,255	1,822	13,055
Number illiterate	4	23	62	43	30	37	60	19	65
Per cent illiterate	0.2	0.6	0.4	0.4	0.5	0.4	0.5	1.0	0.5
Foreign-born white, number	911	1,131	1,582	1,238	351	4,286	3,779	121	1,510
Number illiterate	79	218	115	22	3	755	241	3	47
Per cent illiterate	8.7	19.3	7.3	1.8	0.9	17.6	6.4	2.5	3.1
Negro, number	1	1	49	19	1	26	7	1	6
Number illiterate			3	1		2	1		
Per cent illiterate									
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>									
Total number	815	1,279	4,282	3,542	1,840	2,871	4,357	541	4,231
Number illiterate	13	33	31	5	7	120	26	2	10
Per cent illiterate	1.6	2.6	0.7	0.1	0.4	4.2	0.5	0.4	0.2
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive	1,099	1,743	5,888	4,879	2,596	3,785	6,608	751	5,677
Number attending school	704	1,193	4,340	3,483	1,952	2,155	4,475	532	4,311
Per cent attending school	64.1	68.4	73.7	71.4	75.2	56.9	67.7	70.8	75.9
Number 6 to 9 years	284	464	1,606	1,337	756	914	1,751	210	1,446
Number attending school	206	375	1,321	1,036	602	627	1,290	157	1,196
Number 10 to 14 years	324	546	1,920	1,508	850	1,060	2,283	238	2,021
Number attending school	313	520	1,854	1,524	814	985	2,173	220	1,908
Number 15 to 17 years	205	307	1,182	938	484	717	1,353	152	1,138
Number attending school	144	232	872	659	332	420	812	113	854
Number 18 to 20 years	286	366	1,171	1,006	506	1,094	1,221	151	1,072
Number attending school	36	66	293	264	154	123	200	42	293
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Total number	608	1,010	3,535	2,935	1,606	1,974	4,034	448	3,467
Number attending school	524	895	3,175	2,530	1,416	1,612	3,463	377	3,164
Per cent attending school	86.2	88.6	89.8	87.2	88.2	81.7	85.8	84.2	91.3
Native white—Native parentage, number	481	720	2,723	2,461	1,446	1,463	2,437	405	2,648
Number attending school	410	635	2,431	2,134	1,273	1,190	2,057	337	2,415
Per cent attending school	85.2	88.2	89.3	86.7	88.0	82.0	84.4	83.2	91.2
Native white—Foreign or mixed parentage, number	125	250	564	448	147	411	1,519	39	748
Number attending school	112	229	527	403	133	345	1,336	37	694
Per cent attending school	89.6	91.6	93.4	90.0	90.5	83.9	88.0		92.8
Foreign-born white, number	2	37	31	23	13	32	78	3	26
Number attending school	2	29	27	20	10	20	70	2	20
Negro, number			1	3		3		1	
Number attending school			1	3		3		1	
Per cent attending school									
<b>DWELLINGS AND FAMILIES</b>									
Dwellings, number	861	1,403	4,900	3,650	1,921	3,103	4,916	592	4,438
Families, number	868	1,439	5,035	3,712	1,950	3,212	4,950	595	4,505

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE II.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR PORTLAND.

[Per cent not shown where base is less than 100.]

SUBJECT.	Portland. <sup>1</sup>	SUBJECT.	Portland. <sup>1</sup>
<b>POPULATION</b>		<b>MALES OF VOTING AGE</b>	
Total population, 1910 . . . . .	207,214	Total number . . . . .	88,908
1900 . . . . .	90,426	Number in 1900 . . . . .	58,563
1890 . . . . .	46,385	Native white—Native parentage . . . . .	41,408
1880 . . . . .	17,577	Number in 1900 . . . . .	13,836
1870 . . . . .	8,293	Native white—Foreign or mixed parentage . . . . .	15,283
Increase, 1900-1910 . . . . .	116,788	Number in 1900 . . . . .	6,512
Per cent of increase . . . . .	129.2	Native white—Foreign parentage . . . . .	10,482
Increase, 1890-1900 . . . . .	44,041	Native white—Mixed parentage . . . . .	4,801
Per cent of increase . . . . .	94.9	Foreign-born white . . . . .	25,230
<b>COLOR AND NATIVITY</b>		Number in 1900 . . . . .	9,636
White . . . . .	198,952	Negro . . . . .	625
Number in 1900 . . . . .	80,614	Number in 1900 . . . . .	339
Number in 1890 . . . . .	41,540	Indian, Chinese, Japanese, and all other . . . . .	6,462
Negro . . . . .	1,045	<b>PER CENT OF TOTAL.</b>	
Number in 1900 . . . . .	776	Native white—Native parentage . . . . .	46.6
Number in 1890 . . . . .	480	Native white—Foreign or mixed parentage . . . . .	17.2
Black . . . . .	709	Foreign-born white . . . . .	28.4
Mulatto . . . . .	276	<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>	
Indian . . . . .	38	Naturalized . . . . .	11,251
Chinese . . . . .	5,699	Having first papers . . . . .	3,058
Japanese . . . . .	1,461	Allen . . . . .	7,097
All other . . . . .	19	Unknown . . . . .	3,824
Native white—Native parentage . . . . .	104,163	<b>ILLITERACY</b>	
Number in 1900 . . . . .	58,170	<b>ILLITERATE MALES OF VOTING AGE.</b>	
Native white—Foreign or mixed parentage . . . . .	51,009	Total number illiterate . . . . .	1,187
Number in 1900 . . . . .	24,710	Per cent illiterate . . . . .	1.3
Native white—Foreign parentage . . . . .	32,901	Per cent in 1900 . . . . .	8.5
Native white—Mixed parentage . . . . .	18,108	Native white, number illiterate . . . . .	80
Foreign-born white . . . . .	43,780	Per cent illiterate . . . . .	0.1
Number in 1900 . . . . .	17,734	Foreign-born white, number illiterate . . . . .	865
<b>PER CENT OF TOTAL POPULATION.</b>		Per cent illiterate . . . . .	3.4
Native white—Native parentage . . . . .	50.3	Negro, number illiterate . . . . .	7
Per cent in 1900 . . . . .	42.2	Per cent illiterate . . . . .	1.8
Native white—Foreign or mixed parentage . . . . .	24.6	<b>PERSONS 10 YEARS OLD AND OVER.</b>	
Per cent in 1900 . . . . .	27.5	Total number . . . . .	180,653
Foreign-born white . . . . .	21.1	Number illiterate . . . . .	2,145
Per cent in 1900 . . . . .	19.0	Per cent illiterate . . . . .	1.2
<b>SEX</b>		Native white, number . . . . .	130,155
Total . . . . .	118,863	Number illiterate . . . . .	180
Male . . . . .	88,346	Per cent illiterate . . . . .	0.1
Female . . . . .	30,517	Foreign-born white, number . . . . .	42,535
White . . . . .	111,452	Number illiterate . . . . .	1,074
Male . . . . .	87,500	Per cent illiterate . . . . .	3.9
Female . . . . .	23,952	Negro, number . . . . .	958
Negro . . . . .	608	Number illiterate . . . . .	18
Male . . . . .	437	Per cent illiterate . . . . .	1.9
Female . . . . .	171	<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>	
<b>FOREIGN NATIONALITIES</b>		Total number . . . . .	33,465
<b>FOREIGN-BORN WHITE: Born in—</b>		Number illiterate . . . . .	174
Austria . . . . .	2,548	Per cent illiterate . . . . .	0.5
Belgium . . . . .	224	<b>SCHOOL AGE AND ATTENDANCE</b>	
Canada—French . . . . .	442	Total number 6 to 20 years, inclusive . . . . .	43,272
Canada—Other . . . . .	4,753	Number attending school . . . . .	26,146
Denmark . . . . .	1,196	Per cent attending school . . . . .	60.4
England . . . . .	3,610	Number 6 to 9 years . . . . .	9,807
Finland . . . . .	948	Number attending school . . . . .	7,509
France . . . . .	505	Number 10 to 14 years . . . . .	12,448
Germany . . . . .	7,489	Number attending school . . . . .	11,675
Greece . . . . .	701	Number 15 to 17 years . . . . .	8,799
Holland . . . . .	215	Number attending school . . . . .	5,013
Hungary . . . . .	584	Number 18 to 20 years . . . . .	12,218
Ireland . . . . .	2,267	Number attending school . . . . .	2,049
Italy . . . . .	2,557	<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>	
Norway . . . . .	2,736	Total number . . . . .	22,255
Roumania . . . . .	205	Number attending school . . . . .	19,084
Russia . . . . .	3,944	Per cent attending school . . . . .	85.8
Scotland . . . . .	1,533	Native white—Native parentage, number . . . . .	12,149
Sweden . . . . .	4,801	Number attending school . . . . .	10,382
Switzerland . . . . .	1,125	Per cent attending school . . . . .	85.5
Turkey . . . . .	384	Native white—Foreign or mixed parentage, number . . . . .	8,291
Wales . . . . .	219	Number attending school . . . . .	7,231
Other foreign countries . . . . .	804	Per cent attending school . . . . .	87.2
<b>NATIVE WHITE: Both parents born in—</b>		Foreign-born white, number . . . . .	1,611
Austria . . . . .	631	Number attending school . . . . .	1,328
Canada—French . . . . .	255	Per cent attending school . . . . .	82.4
Canada—Other . . . . .	1,503	Negro, number . . . . .	63
Denmark . . . . .	738	Number attending school . . . . .	48
England . . . . .	2,129	Per cent attending school . . . . .	
France . . . . .	309	<b>DWELLINGS AND FAMILIES</b>	
Germany . . . . .	8,997	Dwellings, number . . . . .	37,436
Holland . . . . .	191	Families, number . . . . .	42,029
Ireland . . . . .	3,250		
Italy . . . . .	864		
Norway . . . . .	1,571		
Russia . . . . .	2,192		
Scotland . . . . .	787		
Sweden . . . . .	2,905		
Switzerland . . . . .	773		
Wales . . . . .	162		
All others of foreign parentage <sup>2</sup> . . . . .	5,631		

<sup>1</sup> For changes in boundaries, etc., see page 605.<sup>2</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

STATISTICS OF POPULATION.

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TABLE III.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR SALEM.

SUBJECT.	Salem. <sup>1</sup>	SUBJECT.	Salem. <sup>1</sup>
<b>COLOR AND NATIVITY</b>		<b>SEX</b>	
Total population, 1910.....	14,084	Total .. Male .....	7,626
1900.....	4,258	Female.....	6,468
Native white—Native parentage.....	9,574	White.. Male.....	7,457
Native white—Foreign or mixed parentage.....	2,501	Female.....	6,429
Foreign-born white.....	1,811	Negro.. Male.....	35
Negro.....	47	Female.....	12
Indian, Chinese, Japanese, and all other.....	161		
<b>FOREIGN NATIONALITIES</b>		<b>MALES OF VOTING AGE</b>	
<b>FOREIGN-BORN WHITE: Born in—</b>		Total number.....	5,491
Austria.....	39	Native white—Native parentage.....	3,374
Canada—French.....	16	Native white—Foreign or mixed parentage.....	846
Canada—Other.....	280	Foreign-born white.....	1,122
Denmark.....	44	Negro.....	29
England.....	212		
Finland.....	46	<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>	
France.....	51	Naturalized.....	462
Germany.....	463	Having first papers.....	41
Greece.....	7	Alien.....	194
Holland.....	16	Unknown.....	425
Hungary.....	7		
Ireland.....	134	<b>ILLITERACY</b>	
Italy.....	60	Total number 10 years old and over.....	12,237
Norway.....	52	Number illiterate.....	277
Russia.....	48	Native white 10 years old and over.....	10,259
Scotland.....	47	Number illiterate.....	138
Sweden.....	138	Foreign-born white 10 years old and over.....	1,790
Switzerland.....	92	Number illiterate.....	105
Wales.....	21	Negro 10 years old and over.....	45
Other foreign countries.....	38	Number illiterate.....	7
		Illiterate males of voting age.....	183
<b>NATIVE WHITE: Both parents born in—</b>		<b>SCHOOL AGE AND ATTENDANCE</b>	
Austria.....	13	Total number 6 to 20 years, inclusive.....	3,185
Canada—French.....	3	Number attending school.....	2,064
Canada—Other.....	75		
Denmark.....	7	<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>	
England.....	92	Total number.....	1,667
France.....	16	Number attending school.....	1,405
Germany.....	518	Native white—Native parentage, number.....	1,290
Holland.....	10	Number attending school.....	1,038
Ireland.....	109	Native white—Foreign or mixed parentage, number.....	331
Norway.....	36	Number attending school.....	283
Russia.....	7	Foreign-born white, number.....	32
Scotland.....	22	Number attending school.....	23
Sweden.....	53	Negro, number.....	3
Switzerland.....	56	Number attending school.....	2
Wales.....	8		
All others of foreign parentage <sup>2</sup> .....	255	<b>DWELLINGS AND FAMILIES</b>	
		Dwellings, number.....	2,780
		Families, number.....	2,907

<sup>1</sup> For changes in boundaries, etc., see page 605.

<sup>2</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE IV.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR PLACES OF 2,500 TO 10,000.

SUBJECT.	TOTAL, PLACES NAMED.	Albany.	Ashland.	Astoria.	Baker City.	Corvallis. <sup>1</sup>	Eugene. <sup>1</sup>	Grants Pass.
<b>SEX, COLOR, AND NATIVITY</b>								
Total population, 1910.....	85,762	4,275	5,020	9,599	6,742	4,552	8,009	3,897
1900.....	47,924	3,149	2,634	8,381	6,663	1,819	3,236	2,290
Male.....	47,730	2,169	2,673	5,875	3,563	2,400	4,524	2,086
Female.....	38,032	2,106	2,347	3,724	3,179	2,152	4,485	1,811
Native white—Native parentage.....	56,341	3,129	3,960	1,887	4,725	3,584	7,015	2,898
Native white—Foreign or mixed parentage.....	16,437	788	697	3,097	1,285	706	1,380	651
Foreign-born white.....	11,479	340	343	4,088	603	240	579	321
Negro.....	172	1	1	22	23	1	6	1
Indian, Chinese, Japanese, and all other.....	1,323	17	19	565	100	15	23	26
<b>MALES OF VOTING AGE</b>								
Total number.....	32,477	1,429	1,761	4,204	2,279	1,487	2,901	1,357
Native white—Native parentage.....	19,261	955	1,246	664	1,401	1,131	2,138	924
Native white—Foreign or mixed parentage.....	4,904	251	274	520	389	201	403	228
Foreign-born white.....	7,110	206	226	2,562	388	140	333	197
Naturalized.....	3,532	120	129	1,172	219	75	235	92
Negro.....	94	1	1	8	10	1	6	1
<b>ILLITERACY</b>								
Total number 10 years old and over.....	71,991	3,626	4,245	8,043	5,510	3,861	7,619	3,275
Number illiterate.....	949	24	17	204	74	11	24	4
Native white 10 years old and over.....	59,311	3,271	3,886	3,520	4,790	3,600	7,016	2,930
Number illiterate.....	159	12	6	17	9	3	12	3
Foreign-born white 10 years old and over.....	11,256	337	341	4,009	597	245	574	317
Number illiterate.....	540	11	7	151	44	5	7	1
Negro 10 years old and over.....	153	1	1	17	20	1	6	1
Number illiterate.....	10	1	1	2	2	1	1	1
Illiterate males of voting age.....	641	9	11	120	59	5	11	1
<b>SCHOOL AGE AND ATTENDANCE</b>								
Total number 6 to 20 years, inclusive.....	22,008	1,122	1,336	2,225	1,846	1,358	2,476	1,045
Number attending school.....	15,321	765	979	1,421	1,281	1,056	1,855	747
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>								
Native white, number.....	11,978	605	781	1,076	1,067	612	1,339	580
Number attending school.....	10,467	518	649	950	917	550	1,205	513
Foreign-born white, number.....	286	4	4	133	5	4	5	9
Number attending school.....	252	4	4	118	5	4	5	9
Negro, number.....	11	1	1	3	3	3	3	3
Number attending school.....	10	1	1	2	2	2	2	2
<b>DWELLINGS AND FAMILIES</b>								
Dwellings, number.....	18,548	997	1,189	1,743	1,627	987	2,067	907
Families, number.....	19,821	1,090	1,227	2,043	1,706	1,030	2,266	956

SUBJECT.	Klamath Falls.	La Grande.	Marshfield.	Medford.	Oregon City.	Pendleton.	Roseburg.	St. Johns. <sup>1</sup>	The Dalles.
<b>SEX, COLOR, AND NATIVITY</b>									
Total population, 1910.....	2,758	4,843	2,980	3,840	4,287	4,460	4,738	4,872	4,880
1900.....	447	2,991	1,391	1,791	3,494	4,406	1,690	.....	3,542
Male.....	1,627	2,577	1,639	5,738	2,322	2,309	2,775	2,799	2,654
Female.....	1,131	2,266	1,341	3,102	1,965	2,151	1,963	2,073	2,226
Native white—Native parentage.....	2,085	3,539	1,514	6,994	2,506	3,090	3,630	2,729	3,066
Native white—Foreign or mixed parentage.....	356	300	835	1,094	1,089	826	716	1,056	1,055
Foreign-born white.....	256	396	578	710	676	422	360	908	653
Negro.....	12	6	8	9	.....	40	6	9	27
Indian, Chinese, Japanese, and all other.....	49	102	45	33	16	82	26	170	89
<b>MALES OF VOTING AGE</b>									
Total number.....	1,141	1,674	1,097	4,466	1,458	1,577	1,992	1,851	1,803
Native white—Native parentage.....	804	1,084	493	3,418	770	998	1,392	878	965
Native white—Foreign or mixed parentage.....	151	258	229	517	306	226	317	204	346
Foreign-born white.....	171	235	353	495	309	254	253	513	410
Naturalized.....	68	121	230	222	150	157	129	205	208
Negro.....	4	4	3	9	.....	21	6	6	14
<b>ILLITERACY</b>									
Total number 10 years old and over.....	2,301	3,925	2,462	7,719	3,510	3,796	4,008	3,978	4,102
Number illiterate.....	34	6	32	72	44	56	42	280	25
Native white 10 years old and over.....	2,000	3,440	1,845	6,979	2,841	3,261	3,620	2,953	3,347
Number illiterate.....	2	1	3	40	14	8	12	14	3
Foreign-born white 10 years old and over.....	254	390	571	702	654	417	356	850	645
Number illiterate.....	23	3	22	31	26	27	28	147	8
Negro 10 years old and over.....	11	6	8	9	.....	36	6	8	22
Number illiterate.....	1	1	1	1	.....	3	.....	.....	2
Illiterate males of voting age.....	20	2	14	59	28	46	29	212	15
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive.....	639	1,357	762	1,813	1,212	1,152	1,155	1,290	1,210
Number attending school.....	454	942	551	1,192	812	676	784	853	763
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Native white, number.....	348	789	422	1,006	683	657	661	702	650
Number attending school.....	315	687	394	846	610	604	584	618	527
Foreign-born white, number.....	4	8	14	7	21	4	5	48	15
Number attending school.....	4	8	11	6	18	4	5	40	11
Negro, number.....	1	.....	2	.....	.....	1	.....	1	3
Number attending school.....	1	.....	2	.....	.....	1	.....	1	3
<b>DWELLINGS AND FAMILIES</b>									
Dwellings, number.....	648	1,129	714	1,456	959	1,031	953	1,085	1,056
Families, number.....	691	1,157	764	1,535	990	1,112	984	1,116	1,148

<sup>1</sup> For change in boundaries, etc., see page 605.

STATISTICS OF POPULATION.

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TABLE V.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR WARDS OF PORTLAND.

SUBJECT.	THE CITY.	WARD.									
		1	2	3	4	5	6	7	8	9	10
<b>SEX, COLOR, AND NATIVITY</b>											
Total population, 1910.....	207,214	8,245	15,987	16,541	17,279	19,285	9,397	29,026	37,148	24,183	30,123
Male.....	118,868	5,166	9,818	12,990	11,367	10,824	5,234	15,319	19,500	12,822	15,768
Female.....	88,346	3,079	6,169	3,551	5,912	8,461	4,163	13,707	17,588	11,361	14,355
Native white—Native parentage.....	104,163	2,038	6,524	6,969	9,818	9,380	3,758	15,959	22,203	11,600	15,014
Native white—Foreign or mixed parentage.....	51,009	2,043	3,556	2,228	3,601	4,986	2,846	7,421	8,614	7,103	8,611
Foreign-born white.....	43,780	3,211	3,727	3,106	3,052	4,718	2,729	5,515	6,083	5,286	6,853
Negro.....	1,045	15	380	168	31	67	43	62	88	110	81
Indian Chinese, Japanese, and all other.....	7,217	38	1,800	4,070	777	134	69	160	84	84	64
<b>FOREIGN-BORN WHITE: Born in—</b>											
Austria.....	2,548	531	403	143	99	174	144	297	256	350	151
Canada—French.....	442	14	16	68	42	57	29	29	98	29	60
Canada—Other.....	4,753	140	331	299	442	405	148	637	968	665	658
Denmark.....	1,196	57	87	84	87	71	32	147	181	180	270
England.....	3,610	113	278	256	345	421	154	475	647	452	469
Finland.....	948	264	177	63	33	41	5	79	79	67	140
France.....	505	13	43	124	65	60	11	44	60	30	55
Germany.....	7,489	427	482	492	670	749	476	1,122	1,188	964	930
Greece.....	701	17	249	60	44	31	40	136	26	98	98
Hungary.....	584	329	5	16	16	24	12	67	51	27	37
Ireland.....	2,267	74	261	208	211	219	69	176	350	459	240
Italy.....	2,557	17	125	111	60	647	445	755	267	63	67
Norway.....	2,726	203	221	173	196	251	73	398	423	281	537
Russia.....	3,944	240	161	64	63	654	675	212	114	521	1,250
Scotland.....	1,633	76	146	127	141	165	88	208	243	208	161
Sweden.....	4,801	492	448	380	292	334	157	493	508	704	878
Switzerland.....	1,125	51	62	55	99	99	118	181	238	82	140
Other foreign countries.....	2,051	170	474	194	131	193	92	180	236	178	203
<b>MALES OF VOTING AGE</b>											
Total number.....	88,908	3,814	8,252	12,055	10,149	8,442	3,378	10,038	13,823	9,057	9,900
Native white—Native parentage.....	41,408	1,229	2,907	4,601	5,471	4,022	1,343	5,121	7,605	4,094	4,715
Native white—Foreign or mixed parentage.....	15,283	530	1,231	1,194	1,884	1,606	595	1,852	2,437	1,964	1,990
Foreign-born white.....	25,230	2,026	2,233	2,405	2,102	2,723	1,402	2,995	3,335	2,897	3,112
Naturalized.....	11,251	487	680	1,027	1,029	1,159	593	1,423	1,738	1,556	1,553
Negro.....	525	8	207	108	13	27	19	28	42	44	29
<b>ILLITERACY AND SCHOOL ATTENDANCE</b>											
Total number 10 years old and over.....	180,653	7,093	14,808	16,066	16,037	17,422	7,664	23,873	32,014	20,822	24,344
Number illiterate.....	2,145	115	288	83	48	307	231	344	211	257	281
Illiterate males of voting age.....	1,187	84	232	48	40	133	109	175	117	143	106
Total number 6 to 20 years, inclusive.....	43,272	1,808	2,415	1,887	1,928	3,604	2,544	7,388	8,548	5,698	7,052
Number attending school.....	26,146	1,037	1,246	603	941	2,076	1,440	4,742	5,444	3,571	5,038
<b>DWELLINGS AND FAMILIES</b>											
Dwellings, number.....	37,436	1,368	2,035	1,118	1,276	2,743	2,101	6,740	8,068	5,019	6,959
Families, number.....	42,029	1,612	2,431	1,407	1,943	4,002	2,303	6,962	8,715	5,457	7,197

NOTES REGARDING CHANGES IN BOUNDARIES, ETC.

COUNTIES.

**BAKER.**—Parts of Grant and Union annexed in 1872 and 1902, respectively; part taken to form Malheur in 1887.

**BENTON.**—Part taken to form part of Lincoln in 1893.

**CROOK.**—Organized from part of Wasco in 1882; part taken to form part of Wheeler in 1899.

**GILLIAM.**—Organized from parts of Umatilla and Wasco in 1885; part taken to form part of Wheeler in 1899.

**GRANT.**—Part annexed to Baker in 1872; parts taken to form Harney in 1889 and part of Wheeler in 1899.

**HARNEY.**—Organized from part of Grant in 1889.

**HOOD RIVER.**—Organized from part of Wasco in 1908. (See also Note 1.)

**JACKSON.**—Part taken to form Lake in 1875; part annexed to Josephine between 1880 and 1890.

**JOSEPHINE.**—Part of Jackson annexed between 1880 and 1890.

**KLAMATH.**—Organized from part of Lake in 1882.

**LAKE.**—Organized from part of Jackson in 1875; part taken to form Klamath in 1882.

**LINCOLN.**—Organized from parts of Benton and Tillamook in 1893.

**MALHEUR.**—Organized from part of Baker in 1887.

**MORROW.**—Organized from part of Umatilla in 1885.

**SHERMAN.**—Organized from part of Wasco in 1889 and part of Wasco annexed between 1890 and 1900.

**TILLAMOOK.**—Part taken to form part of Lincoln in 1893.

**UMATILLA.**—Parts taken to form Morrow and part of Gilliam in 1885.

**UNION.**—Part taken to form Wallowa in 1887, part annexed to Wallowa between 1890 and 1900, and part annexed to Baker in 1902.

**WALLOWA.**—Organized from part of Union in 1887 and part of Union annexed between 1890 and 1900.

**WASCO.**—Parts taken to form Crook in 1882, Sherman in 1889, and part of Gilliam in 1885; part annexed to Sherman between 1890 and 1900 and part taken to form Hood River in 1908. (See also Note 1.)

**WHEELER.**—Organized from parts of Crook, Gilliam, and Grant in 1899.

**NOTE 1.**—*Hood River and Wasco Counties combined.*—Total population: 1910, 24,352; 1900, 13,199; increase, 1900-1910, 11,153; per cent of increase, 84.5. Urban population—1910, 4,880; same places in 1900, 3,542; per cent of increase, 37.8. Rural population—1910, 19,472; same territory in 1900, 9,657; per cent of increase, 101.6. Urban population—1900, 3,542; rural population—1900, 9,657. Per cent in places of 2,500 or more in 1910, 20.0. Per cent in places of 2,500 or more in 1900, 20.8.

**NOTE 2.**—In computing this increase the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make that total comparable with the total for 1890, which does not include the population of Indian reservations. The population thus deducted in the several counties was as follows: Crook, 555; Klamath, 1,130; Polk, 152; Umatilla, 1,397; Wasco, 282; Yamhill, 250.

**CITIES.**

**CORVALLIS.**—Parts of precincts Nos. 2 and 3 annexed in 1903.

**EUGENE.**—Part of Fairmount precinct annexed in 1905.

**PORTLAND.**—Precincts 95 and 96 and parts of precincts 92, 93, 94, and 97 annexed in 1909, parts of precincts 90 and 93 annexed in 1905, and parts of precinct 92 annexed in 1907 and 1908.

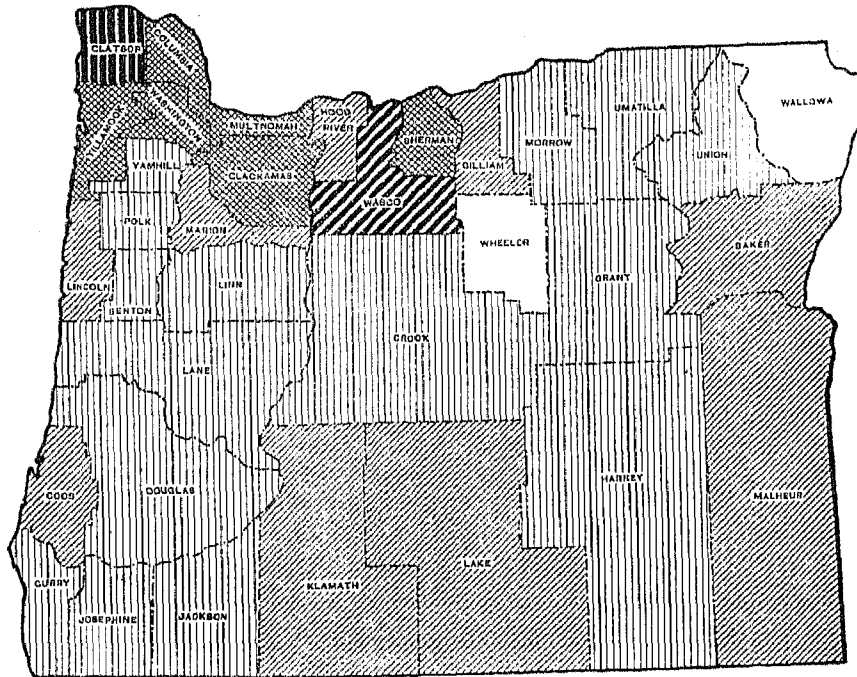
**SALEM.**—Parts of Chemawa and East Salem precincts annexed in 1910.

**ST. JOHNS.**—Incorporated in 1903.

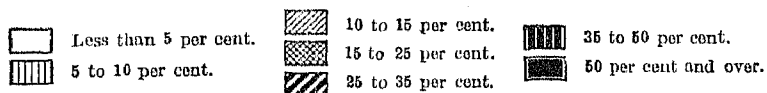
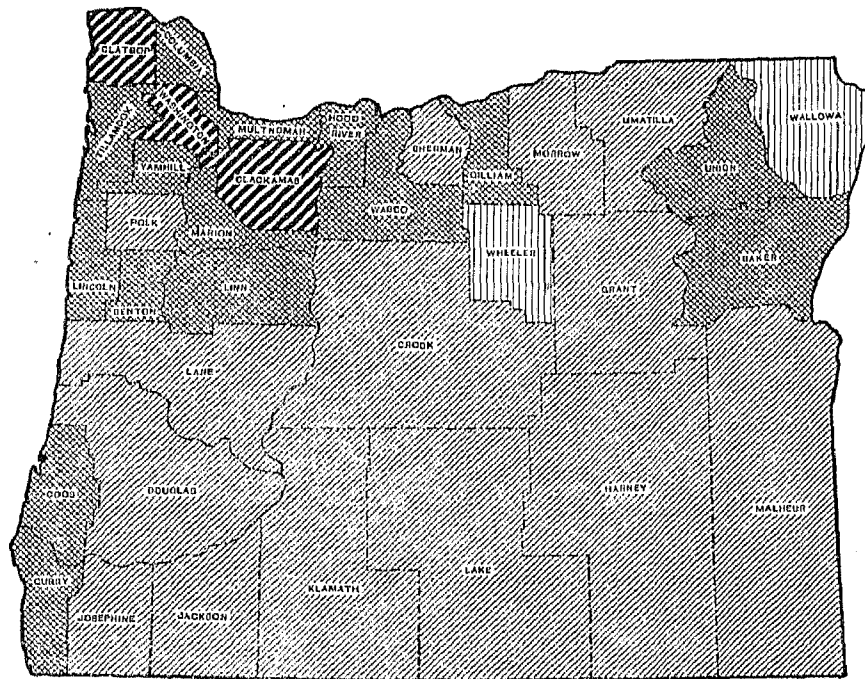


PROPORTION OF FOREIGN-BORN WHITE AND NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE OF OREGON, BY COUNTIES: 1910.

PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION.



PER CENT OF NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE IN TOTAL POPULATION.



## CHAPTER 3.

### STATISTICS OF AGRICULTURE FOR THE STATE AND ITS COUNTIES.

**Introduction.**—This chapter presents a complete statement of the statistics of agriculture for Oregon collected at the census of 1910. Statistics of farms and farm property relate to April 15, 1910; those of farm products, expenses, and receipts are for the calendar year 1909.

**Definitions.**—To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term referring to the work of growing crops, producing other agricultural products, and raising animals, fowls, and bees. A "farm" as thus defined may consist of a single tract of land, or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. Further, when a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1909.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operations of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, tenants, and managers.

*Farm owners* include (1) farmers operating their own land only, and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "owners" being then restricted to those owning all their land.

*Farm tenants* are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1910 in three classes: (1) *Share tenants*—those who pay a certain share of the products, as one-half, one-third, or one-quarter; (2) *share-cash tenants*—those who pay a share of the products for part of the land rented by them and cash for part; and (3) *cash tenants*—those who pay a cash rental or a stated amount of labor or products, such as \$7, 10 bushels of wheat, or 100 pounds of seed cotton per acre.

*Managers* are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) all other unimproved land. The same classification was followed in 1880. At former censuses, except that of 1880, farm land was divided into improved land and unimproved land, woodland being included with unimproved land. *Improved*

*land* includes all land regularly tilled or mowed, land pastured and cropped in rotation, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings. *Woodland* includes all land covered with natural or planted forest trees, which produce, or later may produce, firewood or other forest products. *All other unimproved land* includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest. The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics therefore must be considered at best only a close approximation.

**Total value of farm products.**—No attempt has been made at this census to compute or even to estimate approximately the total value of farm products. Among the numerous difficulties which stand in the way of obtaining a total which would be at once comprehensive, free from duplication, and confined exclusively to the products of a definite period of time are the following:

(1) The duplication resulting from the feeding of farm crops to farm live stock, when the value both of the products derived from such live stock and of the crops are included in the same total. In 1900 an attempt was made to eliminate this duplication by means of an inquiry as to the total value of the products of each farm fed to the live stock on that farm, but, aside from the fact that this would not eliminate the duplication where the products of one farm are fed to the live stock of another farm, it is believed that the farmers were unable to make even approximately accurate answers to the inquiry, and it was accordingly not included in the schedule for 1910.

(2) The fact that farmers may buy domestic animals during the census year, which are subsequently sold or slaughtered during the same year, and that it is impossible to eliminate the duplication accurately; and the further fact that the value of domestic animals sold or slaughtered, or of forest products cut, during a given year (as well as some other minor items) does not usually represent a value created wholly during that year, and that it is quite impossible to ascertain the value created during the year.

(3) The fact that the returns for some products are incomplete. The returns for all products are to a considerable extent estimates made by the farmers. Special difficulty was encountered in cases where the person in possession of the farm in April, 1910, when the census was taken, was not in possession of it during the crop year 1909. In such cases the farmer was not always able to report completely and accurately the products of the land for the preceding year. It is probable that the returns for the principal crops are in general fairly accurate, but that those for minor crops and for dairy and poultry products are frequently understatements, particularly because the home consumption was disregarded or underestimated. In the belief that no accurate result could be obtained from such an inquiry, the Bureau of the Census did not even attempt to ascertain the total quantity and value of certain by-products, such as straw and cornstalks, which are of considerable importance, the schedule calling only for the value of such by-products sold.



## FARMS AND FARM PROPERTY.

Oregon ranks ninth in land area and thirty-fifth in population among the states and territories of continental United States. The surface features of the state are extremely diverse. The altitudes within the state range from sea level along the Pacific coast to an extreme altitude of over 9,000 feet in the summits of the Cascade Ranges.

Along the rugged coast line small valleys and elevated benches constitute excellent agricultural land. Elsewhere the Coast Ranges of mountains rise directly from the sea. They are forested and agriculture is practically undeveloped. Between them and the Cascade Mountains lies the broad interior valley traversed by the Willamette River. The Cascade Mountains are largely forested and too rough for agricultural occupation. These divisions, together with numerous small valleys, constitute western Oregon within which the greater part of the agricultural development has thus far taken place.

Eastern Oregon lies principally within the great Intermountain Region of the Columbia River drainage. The extreme southern and southeastern portion, however, falls within the great Basin Region, which has no outlet to the sea. Within the Intermountain Region there are many irrigated valleys, whose soils consist of loams and sandy loams. The soils are principally derived from basaltic outflows and volcanic ash, although extensive areas of soils derived from lake sediments are also to be found.

With reference to rainfall, Oregon is divided into two distinct sections by the Cascade Mountains. West of the Cascades the annual precipitation ranges from 40 to 100 inches, while east of these mountains it ranges from 10 to 20 inches. East of the mountains irrigation is quite generally practiced, although in some sections grain crops are grown without irrigation.

The two maps on the opposite page show for the different counties the proportion of the total land area of the state which is in farms and the average value of farm land per acre. Of the state's entire land area about one-fifth is in farms. The proportion of land area utilized for agriculture is greatest over the northern third of the state, where the country is less mountainous and where the rainfall is heaviest. As shown by the first map, the proportion of land in farms is less than 20 per cent in 17 counties. Of these, 14 form a continuous group which covers all of the southern half of the state and extends in the northern half into the extreme northeast corner; 2 are in the northwest corner, and 1, Hood River, lies on the northern boundary just east of the Cascade Mountains. Scattered through the northern part of the state are 8 counties in which the proportion ranges from 20 to 40 per cent, and 7 in which it ranges from 40 to 60 per cent, while

in 2 counties, Yamhill to the west and Sherman to the east of the Cascades, it is between 60 and 80 per cent.

The average value of farm land per acre for the whole state is \$35.23, and, as shown by the second map, in but 1 county, Wheeler, is the average less than \$10. This county is surrounded by counties in which the average ranges from \$10 to \$25 per acre and which form an otherwise nearly solid group extending from north to south through the central part of the state. In 3 other counties, including 2 coast counties, and 1, Wallowa, in the northeast corner, the average is also between \$10 and \$25. Thirteen counties report averages between \$25 and \$50, of which 8 are in the western half of the state, 1, Sherman, in the north central part, and 4 in the eastern half of the state. In 4 counties, which form a group in the northwestern part of the state, the average is between \$50 and \$75 per acre, while in 2 counties adjoining these and in 1, Jackson, in the southwest corner, it rises to between \$75 and \$100 per acre. It will thus be seen that in general by far the more valuable land in Oregon is located west of the Cascades, while the least valuable land extends in a broad belt across the center of the state east of the Cascades. In Multnomah County the average value of farm land is about \$230 per acre, and in Hood River County about \$340 per acre. These high average values are due in part to the proximity of the city of Portland, and in part to the presence of a considerable acreage in orchards.

**Progress during the decade: 1900 to 1910.**—The number of farms in Oregon is 45,502, an increase of 27 per cent over the number in 1900, as compared with an increase of 62.7 per cent in the population of the state. The acreage of farm land is 11,685,110 and that of improved land 4,274,803, representing increases of 16 per cent and 28.4 per cent, respectively, over the corresponding figures for 1900. In this connection, however, it should be noted that the statistics relative to the total acreage and value of farm land in 1900 are not strictly comparable with those for 1910, as an Indian reservation of over 484,000 acres was reported as a farm in Crook County at the earlier census but was not included in the reports for 1910. The apparent decrease during the decade of 24.2 acres, or 8.6 per cent, in the average size of the farms is due largely to this fact. The exclusion of the figures for the reservation referred to from the statistics for 1900 would reduce the decrease to 10.7 acres. In general, the state has experienced a period of exceptional agricultural development during the past decade.

The total value of farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), is \$528,244,000, representing an increase of 205.8 per cent

since 1900. Land alone increased in value 263.9 per cent, compared with an increase of 128.5 per cent in the value of buildings, 103 per cent in that of implements and machinery, and 75.3 per cent in that of live stock. In considering the increase of values in agriculture the general increase in the prices of commodities in the last 10 years should be borne in mind.

The average value of a farm, including its equipment,

in 1910 was \$11,609, compared with \$4,821 in 1900. The average value per acre of farm land alone rose from \$11.23 in 1900 to \$35.23 in 1910, an increase of 213.7 per cent.

The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population.....	672,765	413,536	259,229	62.7
Number of all farms.....	45,502	35,837	9,665	27.0
Approximate land area of the state.....acres.....	61,188,480	61,188,480		
Land in farms.....acres.....	11,685,110	10,071,328	1,613,782	16.0
Improved land in farms.....acres.....	4,274,803	3,328,308	946,495	28.4
Average acres per farm.....	256.8	281.0	-24.2	-8.6
Value of farm property:				
Total.....	\$528,243,782	\$172,761,287	\$355,482,495	205.8
Land.....	411,696,102	113,137,820	298,558,282	263.9
Buildings.....	43,880,207	19,199,694	24,680,513	128.5
Implements and machinery.....	13,205,645	6,506,725	6,698,920	103.0
Domestic animals, poultry, and bees.....	59,461,828	33,917,048	25,544,780	75.3
Average value of all property per farm.....	\$11,609	\$4,821	\$6,788	140.8
Average value of land per acre.....	\$35.23	\$11.23	\$24.00	213.7

<sup>1</sup> A minus sign (-) denotes decrease.

NOTE.—Ranges or ranches using the public domain for grazing purposes but not owning or leasing land were counted as farms in 1910 and 1900. They were included as owned or managed, free from mortgage, and under 3 acres in size. The counting of these ranges as farms affects all totals, averages, and percentages in which the number of farms is a factor. In 1910 there were 62 such ranges included as farms.

**Irrigation.**—Of the 45,502 farms in the state, 6,669, or 14.7 per cent, were reported as irrigated in 1909. The acreage reported as irrigated in 1909 was 686,129 acres, or 16.1 per cent of the improved land in farms. The area to which enterprises existing in 1910 were capable of supplying water was 830,526 acres, and the total acreage included in existing projects completed or under way in 1910 was 2,527,208 acres.

**Population, number of farms, and farm acreage: 1850 to 1910.**—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CEN- SUR YEAR.	Popula- tion.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land im- proved.
		Number.	Per cent of in- crease.	All land.		Improved land (acres).		
				Acres.	Per cent of in- crease.			
1910....	672,765	45,502	27.0	11,685,110	16.0	4,274,803	10.1	36.6
1900....	413,536	35,837	40.4	10,071,328	45.8	3,328,308	16.5	33.0
1890....	317,701	23,530	57.4	6,909,888	63.0	3,516,000	11.3	50.9
1880....	174,768	16,217	113.7	4,214,712	76.4	2,198,045	6.9	52.2
1870....	96,923	7,587	30.7	2,389,252	16.0	1,116,290	3.0	40.7
1860....	52,465	5,800	308.8	2,080,530	376.1	896,414	3.4	43.5
1850....	13,294	1,104	.....	432,808	.....	132,857	0.2	30.7

In the 60 years since 1850 a continuous and rapid increase has occurred in the population of the state, in the number of farms, and in the total farm acreage. The acreage of improved land also shows a continuous increase, except for the decade from 1890 to 1900, when a slight decrease occurred. The increase in the number of farms during the period covered by the table has, however, not kept pace with that in population; in 1910 there was one farm to every fifteen inhabitants, as compared with approximately one farm to every eleven inhabitants in 1850. During the last decade the number of farms increased at the rate of 966 per year, as compared with an increase of 1,031 per year between 1890 and 1900, and of 897 per year between 1870 and 1890.

In 1910 the total farm acreage was 11,685,110 and the improved acreage 4,274,803. The proportion of improved farm land was 36.6 per cent in 1910, as compared with 50.9 per cent in 1890, 52.2 per cent in 1880, and 46.7 per cent in 1870; thus since 1890 the total farm acreage has increased with much greater relative rapidity than has the improved acreage. The absolute increase in the total farm acreage has been on the average 238,761 acres per year for the 20 years since 1890, as compared with 226,032 per year for the preceding 20 years. The improved acreage, however, made a greater absolute as well as a greater relative increase during the earlier 20-year period than since 1890, increasing at the rate of 119,986 acres per year between 1870 and 1890, as compared with 37,940 acres per year for the past two decades.

The figures for improved land in 1900 require explanation. Thirty-three per cent of the total farm acreage was then reported as improved, a lower proportion than was reported either for 1890 or 1910. This is explained largely by the fact that the total area in farms included an Indian reservation of over 484,000 acres which was reported as a farm and which consisted almost entirely of unimproved land. The inclusion of this tract lowered the percentage of farm land reported as improved in 1900 and tends to make the total farm acreage reported for that year incomparable with that for the other years shown in the table. Another factor which tended to lower the percentage in 1900, as compared with that in previous census years, was the decrease between 1890 and 1900 in the reported acreage of improved land. Undoubtedly this decrease was due to a more strict construction of the word "improved" in 1900 than at any previous census, an explanation which is borne out by the fact that in the counties from which the greatest decreases in improved acreages were reported there was a decided increase reported in the acreages of the principal crops.

**Values of farm property: 1850 to 1910.**—The agricultural changes in Oregon since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1910.....	\$528,243,782	205.8	\$455,576,300	244.3	\$13,205,645	103.0	\$50,461,828	75.3
1900.....	172,701,287	20.8	132,337,514	14.3	6,506,725	42.8	33,617,048	49.8
1890.....	143,024,800	85.8	115,819,200	103.5	4,556,770	54.1	22,648,830	32.4
1880.....	176,975,140	152.6	56,008,575	154.6	2,056,173	128.5	17,110,392	150.6
1870 <sup>a</sup> .....	30,475,381	37.9	22,352,089	47.1	1,293,717	35.8	6,828,075	14.8
1860.....	22,069,161	350.2	15,200,593	433.5	952,313	419.2	5,940,255	216.9
1850.....	4,908,782	.....	2,849,170	.....	183,423	.....	1,876,189	.....

<sup>1</sup> Includes estimated value of range animals.  
<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.

The total wealth of the state in the form of farm property is \$528,244,000, of which 86.2 per cent is represented by land and buildings, 11.3 per cent by live stock, and 2.5 per cent by implements and machinery.

The total increase in value during the last 10 years was \$355,482,000, or more than eleven times as great as during the decade immediately preceding, and more than double that of the whole period from 1850 to 1900. Of this increase \$323,239,000 was contributed by land and buildings, \$25,545,000 by live stock, and \$6,699,000 by implements and machinery.

The value of farm property increased without interruption, though at widely varying rates, during the six decades following 1850. The periods of compar-

tively slow growth were from 1860 to 1870 and from 1890 to 1900, while the period of the greatest growth, exclusive of the last decade, was from 1870 to 1890. The individual classes of farm property followed the same general course in this respect as did the value of farm property as a whole, except that the greatest increase in the value of implements and machinery and of live stock for the decades preceding 1900 occurred in the decade 1890 to 1900, while the growth in the value of live stock between 1880 and 1890 was comparatively slow.

In 1850 the value of land and buildings was one and one-half times as much as that of live stock; in 1880 it was about three and one-third times as much; in 1910 it was over seven and one-half times as much.

**Average acreage and values per farm: 1850 to 1910.**—The changes which have taken place during the past 60 years in the average acreage of Oregon farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. <sup>1</sup>				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	256.8	\$11,609	\$10,012	\$290	\$1,307	\$38.09
1900.....	281.0	4,821	3,693	182	946	13.14
1890.....	270.7	5,902	4,537	178	887	16.76
1880.....	250.0	4,747	3,509	182	1,055	13.50
1870 <sup>a</sup> .....	314.0	4,017	2,940	171	909	9.30
1860.....	354.9	3,806	2,618	104	1,024	7.38
1850.....	371.8	4,217	2,448	158	1,012	6.58

<sup>1</sup> Averages are based on "all farms" in state.  
<sup>2</sup> Includes estimated value of range animals.  
<sup>3</sup> Computed gold values, being 80 per cent of the currency values reported.

The average size of the Oregon farm is 256.8 acres. From 371.8 acres in 1850 it decreased to 259.9 acres in 1880, then increased to 270.7 acres in 1890, since which time it has again decreased. The inclusion of a large Indian reservation as a farm in 1900 caused the average acreage per farm reported to be considerably greater than would otherwise have been the case, and making allowance for this fact it will be seen that the average size in reality varied but little between 1890 and 1900. The state has in its eastern portion a great amount of semiarid land upon which are many stock ranches much greater in size than the farms utilized for general agricultural purposes. During the past few decades, however, these live stock ranches have formed a constantly decreasing proportion of all the farms in the state, and since the more recently developed farms are mainly of the general farming or fruit growing type, the average size of all farms has decreased.

The average value of an Oregon farm, including its equipment, is \$11,609, of which \$10,012 represents the average value of land and buildings, \$1,307 that of live stock, and \$290 that of implements and machinery.

Each of these items increased during the last decade, both the absolute and the relative gain being greater than during any other decade covered by the table. Although the total value of live stock has increased continuously since 1850, the average value per farm was greater at that time than at any later census year. This is undoubtedly due to the fact that in these early days the state was almost entirely given over to stock raising. The average value per acre of land and buildings was \$38.99 in 1910, compared with \$13.14 in 1900 and \$16.76 in 1890. In 1850 the average was but \$6.58, since which time, with the exception of the period between 1890 and 1900, it has continuously increased.

**Farm tenure: 1880 to 1910.**—The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	45,502	35,837	25,530	16,217
<b>Farms operated by owners and managers.....</b>	<b>38,643</b>	<b>29,471</b>	<b>22,324</b>	<b>13,938</b>
Farms consisting of owned land only.....	32,982	24,712	( <sup>1</sup> )	( <sup>1</sup> )
Farms consisting of owned and hired land.....	4,814	4,251	( <sup>1</sup> )	( <sup>1</sup> )
Farms operated by managers.....	847	508	( <sup>1</sup> )	( <sup>1</sup> )
<b>Farms operated by tenants.....</b>	<b>6,859</b>	<b>6,366</b>	<b>3,206</b>	<b>2,279</b>
Share tenants.....	2,927	3,729	2,123	1,538
Share-cash tenants <sup>2</sup> .....	245			
Cash tenants.....	3,037			
Tenure not specified <sup>3</sup> .....	650	2,637	1,083	741
<b>Per cent of farms operated by—</b>				
Owners and managers.....	84.9	82.2	87.4	85.9
Tenants.....	15.1	17.8	12.6	14.1
Share and share-cash.....	7.0	10.4	8.3	9.5
Cash and nonspecified.....	8.1	7.4	4.2	4.6

<sup>1</sup> Not reported separately.

<sup>2</sup> Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.

<sup>3</sup> Prior to 1910 nonspecified tenants were included with cash tenants.

The number of all farms, and therefore of all farm operators, is 45,502. Of the farm operators, 37,796 are classified as owners, 847 as managers, and 6,859 as tenants. Of the owners, 32,982 operate exclusively land owned by them, while 4,814 operate land which they rent in addition to that which they own. The tenants are further distributed according to the character of their tenancy; thus 2,927 are share tenants; 245, share-cash tenants; 3,037, cash tenants; and for 650 no report relative to character of tenure was secured.

In 1880 there were 2,279 tenant farms, representing 14.1 per cent of all the farms in the state; in 1910 the number of tenant farms was 6,859, or 15.1 per cent of the total. Thus the percentage of tenant farms is not greatly above that in 1880. There was, however, a sharp increase from 12.6 per cent in 1890 to 17.8 per cent in 1900, followed by a considerable decrease during the last decade. During this decade the number of tenant farms increased 493. Farms rented for cash, including those for which the form of tenure was not reported, have constituted an increasing proportion of all tenant farms throughout the period

covered by the table. In 1880 less than one-third of all tenant farms were in the cash and nonspecified group, while in 1910 more than one-half belonged to this group. The percentage of tenant farms for the state (15.1) is a little below the average for the Pacific division (17.2), and far below the percentage for the United States as a whole (37).

The following table shows the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>11,685,110</b>	<b>10,071,328</b>	<b>4,274,803</b>	<b>3,228,308</b>	<b>\$455,576,309</b>	<b>\$182,337,514</b>
Owners.....	9,036,370	7,411,128	3,061,350	2,540,391	335,780,072	97,877,749
Managers.....	700,007	1,162,468	212,812	135,220	28,725,693	7,318,748
Tenants.....	1,882,733	1,497,732	1,000,641	652,697	91,061,544	27,141,023

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Owners.....	83.1	80.8	77.3	73.6	71.6	76.3	73.7	74.0
Managers.....	1.9	1.4	6.6	11.5	5.0	4.1	6.3	5.5
Tenants.....	15.1	17.8	16.1	14.9	23.4	19.6	20.0	20.5

It will be seen that in 1910, 77.3 per cent of all land in farms was in farms operated by their owners (including part owners), 6.6 per cent in farms operated by managers, and 16.1 per cent in farms operated by tenants, the percentage for owners and for tenants being higher and that for managers lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (904.4 acres) was much greater than that of farms operated by tenants (274.5 acres), which was in turn larger than that of farms operated by owners. The average size of tenant farms increased between 1900 and 1910, while that of farms operated by owners and by managers decreased. In 1910 the percentage of farm land improved was highest for farms operated by tenants, and lowest for those operated by managers.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.		IMPROVED.		Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>258.8</b>	<b>281.0</b>	<b>93.9</b>	<b>92.9</b>	<b>36.6</b>	<b>33.0</b>	<b>\$10,012</b>	<b>\$3,693</b>	<b>\$38.99</b>	<b>\$13.14</b>
Owners.....	239.1	265.9	81.0	87.7	33.9	34.3	8,884	3,379	37.16	13.21
Managers.....	904.4	2,288.2	251.3	206.2	27.8	11.6	33,915	14,407	37.50	6.30
Tenants.....	274.5	235.3	145.9	102.5	53.1	43.0	13,277	4,263	48.37	18.12

**Farm mortgages: 1890 to 1910.**—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED FARMS. <sup>1</sup>		OWNED FARM HOMES.		OWNED FARM HOMES. <sup>2</sup>	
	1910		1900		1890	
	Number.	Per cent. <sup>3</sup>	Number.	Per cent. <sup>3</sup>	Number.	Per cent.
Total.....	37,796		28,638		22,503	
Free from mortgage.....	24,855	66.3	20,766	74.8	17,246	76.0
Mortgaged.....	12,632	33.7	7,010	25.2	5,257	23.4
Unknown.....	309		862			

<sup>1</sup> Includes all farms owned in whole or in part by the operator.  
<sup>2</sup> The 616 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.  
<sup>3</sup> Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 37,796. Of this number, 24,855 were reported as free from mortgage; 12,632 were reported as mortgaged; and for 309 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 33.7 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is higher than in 1890 or in 1900. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that the increase from 1890 to 1910 in the total number of owned farms was almost equally divided between those free of mortgage and the mortgaged farms, while during the last decade the greater increase occurred in the number mortgaged.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 12,632 farms reported as mortgaged, 10,643 are wholly owned by the farmers, and for 10,274 of these the

amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE.	
	1910 <sup>1</sup>	1890 <sup>2</sup>	Amount.	Per cent.
Number.....	10,274	5,257		
Value—Land and buildings.....	\$83,525,440	\$22,917,073		
Amount of mortgage debt.....	\$21,165,627	\$6,841,047		
Per cent of debt to value.....	22.6	29.0		
Average value per farm.....	\$9,103	\$4,359	\$4,744	108.8
Average debt per farm.....	\$2,060	\$1,301	\$759	58.3
Average equity per farm.....	\$7,043	\$3,058	\$3,985	130.3

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.  
<sup>2</sup> Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms increased during the 20-year period from \$1,301 to \$2,060, or 58.3 per cent, while the average value of such farms rose from \$4,359 to \$9,103, or 108.8 per cent. Thus the owner's equity increased from \$3,058 to \$7,043, or 130.3 per cent. As a result of the greater relative increase in farm values than in farm debt, the mortgage indebtedness, which was 29.9 per cent of the value of the mortgaged farm in 1890, had decreased to 22.6 per cent of this value in 1910.

**Farms by size groups: 1910 and 1900.**—Of all the farms in Oregon, 26.4 per cent are from 100 to 174 acres in size, 15.1 per cent from 20 to 49 acres, and 14.9 per cent from 50 to 99 acres. Nearly three-fifths of all the farms in the state are, therefore, from 20 to 174 acres in size. About one-third of all farms comprise 175 acres or over, nearly half of this group being between 260 and 499 acres.

The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total.....	45,502	35,837	9,665	27.0	100.0	100.0
Under 3 acres.....	244	404	-160	-39.6	0.5	1.1
3 to 9 acres.....	2,630	1,027	1,602	157.0	5.8	2.9
10 to 19 acres.....	3,147	1,640	1,507	91.9	6.0	4.6
20 to 49 acres.....	6,888	4,083	2,805	68.7	15.1	11.4
50 to 99 acres.....	6,800	4,673	2,127	45.5	14.9	13.0
100 to 174 acres.....	12,009	11,055	954	8.6	26.4	30.8
175 to 259 acres.....	3,680	3,402	278	8.2	8.1	9.6
260 to 499 acres.....	5,063	5,826	-163	-2.8	12.4	16.3
500 to 999 acres.....	2,716	2,440	276	11.3	6.0	6.8
1,000 acres and over..	1,716	1,287	429	33.3	3.8	3.6

<sup>1</sup> A minus sign (-) denotes decrease.



A study of the distribution of farms by size groups discloses the fact that between 1900 and 1910 the greatest actual increase—2,805—occurred in those of 20 to 49 acres, while the greatest relative increase—157 per cent—took place in those from 3 to 9 acres in size. A decrease of 163, or 2.8 per cent, occurred in the farms from 260 to 499 acres in size, while the number of places under 3 acres reported as farms decreased by 160 and now represents but one-half of 1 per cent of the total number of farms. In general, the figures show an increasing proportion of farms in each of the groups between 3 and 99 acres and of farms of 1,000 acres and over, and a decrease in the proportion of places under 3 acres in size and of farms containing from 100 to 999 acres.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 6,030) and also the farms of between 175 and 499 acres (numbering 9,343):

SIZE GROUP.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	11,685,110	10,071,328	4,274,803	3,328,308	\$455,576,309	\$132,337,514
Under 20 acres....	55,128	29,799	42,075	21,358	23,517,363	4,031,855
20 to 49 acres....	227,085	140,060	127,814	71,004	37,054,879	7,192,420
50 to 99 acres....	495,834	350,734	238,540	151,310	48,774,337	10,518,760
100 to 174 acres..	1,753,078	1,647,337	583,111	548,873	82,692,010	23,970,968
175 to 499 acres..	2,791,920	2,815,702	1,140,175	1,148,310	124,131,252	44,780,828
500 to 999 acres..	1,876,662	1,667,634	818,071	653,790	59,579,881	19,928,580
1,000 acres and over.....	4,484,803	3,420,453	1,324,108	732,097	79,236,581	21,914,105

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres....	13.3	8.6	0.5	0.3	1.0	0.6	5.2	3.0
20 to 49 acres....	15.1	11.4	1.9	1.4	3.0	2.2	8.3	5.4
50 to 99 acres....	14.0	13.0	4.2	3.5	5.6	4.5	10.7	7.0
100 to 174 acres..	26.4	30.8	15.0	16.4	13.6	10.5	18.1	18.1
175 to 499 acres..	20.5	25.7	23.9	28.0	26.7	34.5	27.2	33.8
500 to 999 acres..	6.0	6.8	16.1	16.5	19.2	19.0	13.1	15.1
1,000 acres and over.....	3.8	3.6	38.4	34.1	31.0	22.0	17.4	16.0

Of the total farm acreage of the state in 1910, 38.4 per cent was in farms of 1,000 acres and over, this being from the standpoint of aggregate acreage the most important size group, although it comprised only 3.8 per cent of the total number of farms. Between 1900 and 1910 there was an increase in the proportion of the total acreage contained in farms of less than 100 acres, and also in the proportion in farms of 1,000 acres and over, while there was a decrease in the proportion contained in farms in all intermediate size groups.

In general, as shown by the table below, the percentage of farm land improved diminishes as the size of the farm increases, but the percentage is higher in farms of 175 to 499 acres than in farms of 100 to 174 acres and higher in farms of 500 to 999 acres than in those of either of the two preceding size groups. As a result partly of the higher proportion of improved land in small farms and partly of the fact that buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land diminishes with the increase in the size of the farms. It is very much higher for the farms under 20 acres in size than for those of any other group.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	1910	1900	Per farm.		Per acre.	
			1910	1900	1910	1900
Total.....	36.6	33.0	\$10,012	\$3,693	\$38.09	\$13.14
Under 20 acres....	76.3	71.7	3,000	1,313	426.60	135.30
20 to 49 acres....	56.3	50.9	5,467	1,762	165.82	51.13
50 to 99 acres....	48.1	43.1	7,173	2,251	98.37	29.99
100 to 174 acres..	33.3	33.3	6,885	2,168	47.15	14.55
175 to 499 acres..	40.8	40.8	13,286	4,853	44.46	15.90
500 to 999 acres..	43.6	39.4	21,937	8,167	31.75	12.02
1,000 acres and over.....	29.5	21.4	46,175	17,027	17.67	6.39

Color and nativity of farmers: 1910.—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The table which follows shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Own-ers.	Ten-ants.	Mann-agers.	Per cent of total.		
	Num-ber.	Per cent distribution				Own-ers.	Ten-ants.	Mann-agers.
Total.....	45,502	100.0	37,796	6,859	847	83.1	15.1	1.9
Native white.....	35,819	78.7	29,215	5,883	721	81.6	16.4	2.0
Foreign-born white..	9,056	19.9	8,103	835	118	89.5	9.2	1.3
Negro and other non-white.....	627	1.4	478	141	8	76.2	22.5	1.3

Nearly four-fifths of the Oregon farmers were native whites and one-fifth foreign-born whites. Only 627, or 1.4 per cent of the total, were nonwhites, 452 being Indians; 83, Japanese; 65, Chinese; and 27, negroes. Among the native white farmers 16.4 per cent were tenants, as compared with 9.2 per cent among the foreign-born white farmers.

Of the 9,056 foreign-born white farmers in Oregon in 1910, 2,492 were born in Germany, 1,024 in Canada, 866 in Sweden, 784 in England, 680 in Switzerland, 533 in Norway, 498 in Denmark, and 410 in Ireland. Other European countries were represented by a total of 1,734 farmers, and non-European countries, other than Canada, by 35.

DOMESTIC ANIMALS, POULTRY, AND BEES.

Domestic animals on farms: 1910.—The census of 1910 was taken as of April 15, and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this chapter, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

Of the total number of farms enumerated, 42,209, or 92.8 per cent, report domestic animals of some kind, the number without any domestic animals being only 3,293.

Of all farms, cattle are reported by 83 per cent, "dairy cows" by 80.6 per cent, and "other cows" by 23.9 per cent. The farms reporting dairy cows show an average of 5 per farm, whereas the average number of other cows per farm reporting is 20. The number of all classes of cattle reported, except calves, was greater in 1910 than in 1900. The exception in the case of calves is explained by the fact that the census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result, the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 168,323 to 76,238, and the average value decreasing from \$9.13 to \$6.94.

Horses are reported by 85.3 per cent of all the farms in the state, but only 24 per cent report colts born in 1909, and 11.3 per cent spring colts. The average value of mature horses is about three times as great as in 1900. Only about one farm in every twenty-five reports mules or mule colts. The average values of mules are considerably higher than those of horses of the corresponding age groups.

Sheep and lambs are reported from 6,356 farms, or 14 per cent of all the farms in the state. Of these farms, 81.4 per cent report spring lambs, the number of the latter being equal to 51.2 per cent of the number of ewes. Ewes are reported from all but 354 of the farms reporting sheep, and for the farms reporting the average is 241 per farm. Those reporting rams and wethers show an average of 133 per farm. The average flock, exclusive of spring lambs, numbers 308, while in 1900 it numbered 293.

Of all farms, 49.4 per cent report swine, the average number being 10 per farm reporting. Only 20 per cent

of all farms report spring pigs, doubtless because of the early date of enumeration. The average value of the swine reported under the head of "hogs and pigs born before January 1, 1910," is \$9.77.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Percent of all farms.	Number.	Value.	Average value.
Total.....	42,209	92.8	.....	\$58,243,921	.....
<b>Cattle</b> .....	37,748	83.0	725,255	17,570,685	\$24.23
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	30,084	80.6	172,550	0,302,765	36.63
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	10,864	23.9	217,480	5,129,426	23.60
Heifers born in 1909.....	17,762	39.0	48,102	1,245,353	14.69
Calves born after Jan. 1, 1910.....	10,807	43.5	70,238	529,317	6.94
Steers and bulls born in 1909.....	7,650	16.6	67,507	1,030,062	18.01
Steers and bulls born before Jan. 1, 1909.....	0,797	14.0	93,140	2,854,608	30.65
Unclassified cattle.....	36	0.1	25,172	472,564	18.77
<b>Horses</b> .....	36,803	85.3	271,708	25,181,143	92.68
Mares, stallions, and geldings born before Jan. 1, 1909.....	38,681	84.8	229,545	23,303,530	101.01
Colts born in 1909.....	10,900	24.0	30,154	1,424,342	47.24
Colts born after Jan. 1, 1910.....	5,122	11.3	10,081	200,005	20.00
Unclassified horses.....	40	0.1	1,928	64,260	33.33
<b>Mules</b> .....	1,880	4.1	9,927	1,185,788	119.45
Mules born before Jan. 1, 1909.....	1,628	3.4	7,708	1,044,673	135.62
Mule colts born in 1909.....	510	1.1	1,782	124,857	70.07
Mule colts born after Jan. 1, 1910.....	210	0.5	437	10,358	37.43
<b>Asses and burros</b> .....	270	0.6	548	150,777	275.14
<b>Swine</b> .....	22,465	49.4	217,577	1,570,949	7.22
Hogs and pigs born before Jan. 1, 1910.....	20,482	45.0	130,306	1,301,604	9.77
Pigs born after Jan. 1, 1910.....	9,105	20.0	78,271	200,265	2.67
<b>Sheep</b> .....	6,356	14.0	2,009,135	12,213,942	4.53
Ewes born before Jan. 1, 1910.....	6,002	13.2	1,447,785	8,070,909	5.67
Rams and wethers born before Jan. 1, 1910.....	3,840	8.4	510,557	2,421,520	4.74
Lambs born after Jan. 1, 1910.....	5,175	11.4	740,793	1,721,513	2.32
<b>Goats</b> .....	4,144	9.1	185,411	870,637	2.00

Poultry on farms: 1910 and 1900.—The increase in the number of fowls on Oregon farms during the last decade amounts to 32.8 per cent, while the value shows an increase from \$583,000 to \$1,068,000, or 83.3 per cent. The increase in number is confined to chickens, there being a decrease in the number of every other kind of fowl reported. The number of farms reporting poultry increased from 29,997 to 37,126, or 23.8 per cent; thus the average number of fowls per farm reporting increased from 46 to 49. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together

with their value and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Per cent of all farms.			
<b>Total</b> .....	<b>37,126</b>	<b>81.6</b>	<b>1,823,080</b>	<b>\$1,067,743</b>	<b>1,373,203</b>
Chickens.....	37,071	81.5	1,753,221	972,606	1,290,818
Turkeys.....	4,433	9.7	26,684	61,772	36,031
Ducks.....	1,976	4.3	10,757	8,371	19,774
Geese.....	2,590	5.7	14,106	16,191	26,580
Guinea fowls.....	842	1.9	2,608	1,769	(1)
Pigeons.....	588	1.3	15,764	5,156	(2)
All others <sup>3</sup> .....	19	(4)	537	1,878	(2)

<sup>1</sup> Included with chickens.

<sup>2</sup> Not reported.

<sup>3</sup> Nine farms report 508 pheasants, valued at \$1,000; 8 farms report 21 peafowls, valued at \$107; 1 farm reports 3 wild geese, valued at \$5; 1 farm reports 5 wild turkeys, valued at \$100.

<sup>4</sup> Less than one-tenth of 1 per cent.

**Bees on farms: 1910 and 1900.**—The number of farms reporting bees has decreased from 8,895 in 1900 to 8,861 in 1910, or 0.4 per cent. The number of colonies of bees decreased from 55,585 to 47,285, or 14.9 per cent, and their value decreased from \$160,382 to \$150,164, or 6.4 per cent. The average value of bees per farm reporting was \$18.03 in 1900 and \$16.95 in 1910. Only one farm in every five reports bees.

**Domestic animals not on farms: 1910.**—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the next table age groups are omitted for the sake of brevity, but it may be noted that in cities and villages a comparatively small proportion of the animals of each class are in the younger age groups.

#### LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

**Dairy products: 1909 and 1899.**—The number of farms reporting dairy cows on April 15, 1910, was 36,684, but only 30,065 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
<b>Total</b> .....	<b>14,143</b>	<b>\$4,997,977</b>	<b>\$34.58</b>	
All cattle.....	8,927	17,006	588,005	65.82
Dairy cows.....	8,753	12,014	507,878	58.02
Horses.....	8,923	30,203	4,124,678	136.57
Mules.....	201	1,377	232,230	115.54
Asses and burros.....	38	73	15,816	415.42
Swine.....	641	3,060	27,634	43.11
Sheep.....	71	1,755	5,580	78.73
Goats.....	80	1,684	4,034	50.42

As would be expected, horses are by far the most important class of domestic animals not on farms, both in number and in value; cattle, more than two-thirds of which consist of dairy cows, rank next in importance.

**Domestic animals on farms and not on farms: 1910.**—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
<b>Total</b> .....	<b>14,143</b>	<b>\$4,997,977</b>	<b>13,400</b>	<b>\$4,007,977</b>	<b>743</b>	<b>\$990,000</b>
All cattle.....	7,422	\$18,159,600	7,255	\$17,670,685	167	\$488,915
Dairy cows.....	184,504	6,810,643	172,550	6,302,765	12,014	507,878
Horses.....	301,011	29,305,821	271,708	25,181,143	30,203	4,124,678
Mules.....	11,304	1,418,019	9,927	1,185,788	1,377	232,230
Asses and burros.....	421	166,593	548	150,777	73	15,816
Swine.....	220,037	1,598,583	217,577	1,570,949	3,060	27,634
Sheep.....	2,700,800	12,219,522	2,609,135	12,213,942	1,765	5,580
Goats.....	187,095	374,671	185,411	370,437	1,684	4,034

The total value of all domestic animals in the state in 1910 was \$63,242,000, of which the value of animals not on farms constituted 7.9 per cent.

to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 27,564 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 134,000. The amount of milk reported was 56,107,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 417 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products

for 1909. For convenience, a partial total has been presented, comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$6,067,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Only about one-fourth of the amount of milk reported as produced by Oregon farmers in 1909 was sold as such. Large quantities of milk and cream were sold on the butter fat basis. The butter made on farms in 1909 was valued at \$1,600,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made and a still greater relative decrease in the production of cheese.

The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms Apr. 15, 1910.....	36,684	80.6	172,550	Head		
On farms reporting dairy products in 1909.....	30,065	66.1	151,371	Head		
On farms reporting milk produced in 1909.....	27,504	60.6	134,424	Head		
Specified dairy products, 1909:						
Milk reported.....			56,106,599	Gals.		
Butter made.....	23,053	50.7	5,607,964	Lbs.	\$1,509,931	\$0.28
Cheese made.....	153	0.3	169,205	Lbs.	23,151	0.14
Milk sold.....	3,751	8.2	14,640,108	Gals.	2,156,576	0.15
Cream sold.....	2,294	5.0	827,541	Gals.	701,177	0.85
Butter fat sold.....	5,450	12.0	5,211,133	Lbs.	1,586,189	0.30
Butter sold.....	9,517	20.9	2,446,158	Lbs.	706,301	0.29
Cheese sold.....	60	0.1	154,328	Lbs.	20,460	0.13
Total receipts from sales, 1909					5,170,703	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					6,067,024	
Specified dairy products, 1899:						
Butter made.....	25,091	70.0	8,107,450	Lbs.		
Cheese made.....	461	1.3	467,256	Lbs.		
Butter sold.....			4,092,642	Lbs.	777,989	0.19
Cheese sold.....			397,967	Lbs.	43,898	0.11

**Wool: 1909 and 1899.**—The total number of sheep of shearing age in Oregon on April 15, 1910, was 1,958,000, representing a decrease of 0.2 per cent as compared with the number on June 1, 1900 (1,961,000). The approximate production of wool during 1909 was 2,126,000 fleeces, weighing 18,842,000 pounds, and valued at \$3,783,000. Of these totals about one-eighth represents estimates. The number of fleeces produced in 1909 was 0.6 per cent less than in 1899. The average weight per fleece in 1909 was 8.9 pounds, as

compared with 8.6 pounds in 1899, and the average value per pound was 20 cents, as compared with 13 cents in 1899.

The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:<sup>1</sup>

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms Apr. 15, 1910.....	6,038	1,958,342			
Wool produced, as reported, 1909.....	4,773		1,860,374	16,459,722	\$3,306,170
On farms reporting sheep Apr. 15, 1910.....	4,307	1,056,481	1,798,057	15,037,557	3,100,648
On other farms.....	466		62,317	522,165	100,531
Total production of wool (partly estimated):					
1909.....			2,125,717	18,841,802	3,782,721
1899.....			2,139,504	18,349,660	2,306,741
Increase, 1899 to 1909.....			-13,787	492,202	1,385,980
Per cent of increase.....			-0.6	2.7	57.8

<sup>1</sup> A minus sign (-) denotes decrease.

**Goat hair and mohair: 1909 and 1899.**—Although 4,144 farmers reported 185,411 goats and kids on their farms April 15, 1910, only 3,075 reported the production of goat hair or mohair during 1909. These farmers reported 141,588 fleeces, weighing 523,435 pounds, and valued at \$128,230. The production showed a decided increase between 1899 and 1909. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

**Poultry products: 1909 and 1899.**—The total number of fowls on Oregon farms on April 15, 1910, was 1,824,000. Of the 37,126 farms reporting fowls, 6,460 did not report any eggs produced in 1909, and 7,790 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 10,556,000 dozens, valued at \$2,582,000. According to the Twelfth Census reports, the production of eggs in 1899 was 7,710,000 dozens, the value being \$1,162,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to

<sup>1</sup> Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,671 farmers who reported the possession of 301,861 sheep of shearing age on Apr. 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep or did not occupy the same farm during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on Apr. 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on Apr. 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 11,907,000 dozens, valued at \$2,913,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 2,655,000 fowls, valued at \$1,417,000.

The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms Apr. 15, 1910.....	37, 126	1, 823, 680		
On farms reporting eggs produced in 1909.....	30, 666	1, 624, 686		
On other farms.....	6, 460	198, 994		
Eggs produced, as reported, 1909.....	31, 119		Dozens. 10, 555, 840	\$2, 582, 331
Total production of eggs (partly estimated):				
1909.....			11, 906, 003	2, 912, 840
1899.....			7, 709, 970	1, 162, 071
Increase, 1899 to 1909.....			4, 196, 033	1, 750, 778
Per cent of increase.....			54.4	150.7
Eggs sold, as reported, 1909.....	23, 178		6, 233, 626	1, 531, 932
Fowls on farms Apr. 15, 1910:				
On farms reporting poultry raised in 1909.....	29, 336	1, 585, 904		
On other farms.....	7, 700	237, 716		
Poultry raised, as reported, 1909.....	29, 908		No. of fowls. 2, 300, 350	1, 231, 054
Total poultry raised (partly estimated):				
1909.....			2, 655, 492	1, 416, 608
1899.....				826, 687
Increase, 1899 to 1909.....				589, 921
Per cent of increase.....				71.4
Fowls sold, as reported, 1909.....	18, 337		957, 644	584, 460

**Honey and wax: 1909.**—Although, as noted elsewhere, 8,861 farms reported 47,285 colonies of bees on hand April 15, 1910, 3,428 of these farms, with 11,498 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 839,981 pounds of honey, valued at \$92,476, and 8,383 pounds of wax, valued at \$2,034. The true totals are doubtless somewhat above these figures.

**Sale or slaughter of domestic animals on farms: 1909 and 1899.**—The total value of domestic animals sold during 1909 was \$14,973,000 and that of animals slaughtered on farms \$2,461,000, making an aggregate of \$17,434,000. This total, however, involves con-

siderable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The total value of the cattle (including calves) sold during 1909 represented about one-half of the total value of animals sold, and the value of sheep sold represented about one-fourth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the value of those slaughtered during 1899, which amounted, respectively, to \$6,598,000 and \$1,566,000.

The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales, whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

The following statement presents statistics relating to the sale or slaughter of domestic animals by Oregon farmers during the year 1909, with certain items for 1899:

	FARMS REPORTING.		Number of animals.	VALUE.	
	Num-ber.	Percent of all farms.		Total.	Average.
<b>1909—All domestic animals:</b>					
Sold.....				\$14, 973, 000	
Slaughtered.....				2, 461, 000	
<b>Calves:</b>					
Sold.....	6, 181	13. 6	30, 473	250, 214	\$8. 51
Slaughtered.....	9, 539	21. 0	40, 750	286, 941	7. 04
<b>Other cattle:</b>					
Sold.....	13, 973	30. 7	240, 733	7, 109, 132	28. 37
Slaughtered.....	5, 946	13. 1	24, 292	578, 514	23. 82
<b>Horses:</b>					
Sold.....	6, 104	13. 4	21, 455	2, 204, 391	102. 77
<b>Mules:</b>					
Sold.....	346	0. 8	1, 085	181, 751	107. 86
<b>Asses and burros:</b>					
Sold.....	37	0. 1	71	13, 220	186. 20
<b>Swine:</b>					
Sold.....	8, 148	17. 9	129, 041	1, 414, 722	10. 91
Slaughtered.....	18, 153	39. 0	102, 755	1, 520, 470	14. 80
<b>Sheep:</b>					
Sold.....	3, 018	6. 6	908, 484	3, 730, 096	3. 74
Slaughtered.....	1, 395	3. 1	15, 786	62, 030	3. 99
<b>Goats:</b>					
Sold.....	887	1. 9	28, 832	59, 589	2. 07
Slaughtered.....	763	1. 7	4, 858	12, 295	2. 53
<b>1899—All domestic animals:</b>					
Sold.....				6, 598, 000	
Slaughtered.....				1, 566, 000	

<sup>1</sup> Schedules called for receipts from sales of animals raised on the farms reporting.

**CROPS.**

**Summary: 1909 and 1899.**—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations

in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

The total value of crops in 1909 was \$49,041,000. Of this amount, 86.2 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-

products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 2,281,288, representing 53.4 per cent of

the total improved land in farms (4,274,803 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.					
	1909	1899	Increase. <sup>1</sup>		1909	1899	1909	1899	Increase. <sup>1</sup>		Per cent of total.	
			Amount.	Per cent.					Amount.	Per cent.	1909	1899
All crops.....							\$49,040,725	\$21,806,687	\$27,234,038	124.9	100.0	100.0
<b>Crops with acreage reports</b> .....	2,281,288	2,027,856	253,432	12.5	53.4	60.0	42,293,157	19,366,848	22,926,309	115.0	86.2	88.9
Cereals.....	1,242,300	1,222,048	19,652	1.6	29.1	36.7	17,860,130	9,271,500	8,588,636	92.6	30.4	42.5
Other grains and seeds.....	1,039	4,162	-3,123	-75.0	(?)	0.1	40,240	60,293	-10,023	-10.9	0.1	0.2
Hay and forage.....	939,979	731,823	208,156	28.4	22.0	22.0	15,225,957	0,147,018	9,078,930	147.7	31.0	28.2
Hops.....	21,770	15,433	6,337	41.1	0.5	0.5	2,838,800	937,513	1,901,347	202.8	5.8	4.3
Sugar crops.....	1,320	2,540	-1,220	-47.0	(?)	0.1	83,045	64,515	18,530	28.7	0.2	0.3
Sundry minor crops.....	52	292	-240	-82.2	(?)	(?)	3,340	5,632	-2,293	-40.5	(?)	(?)
Potatoes and sweet potatoes and yams.....	44,270	30,062	14,208	47.3	1.0	0.9	2,099,606	1,211,937	887,669	73.2	4.3	5.6
Other vegetables.....	23,129	16,345	6,784	41.5	0.5	0.5	2,448,917	1,074,498	1,374,419	127.9	5.0	4.0
Flowers and plants and nursery products.....	2,298	1,072	1,226	114.4	0.1	(?)	1,051,853	247,370	804,483	325.2	2.1	1.1
Small fruits.....	5,123	3,470	1,652	47.6	0.1	0.1	641,194	380,632	264,562	65.8	1.3	1.8
<b>Crops with no acreage reports</b> .....							6,747,568	2,409,839	4,337,729	180.0	13.8	11.1
Seeds.....							370,941	31,908	339,033	1,002.5	0.8	0.1
Fruits and nuts.....							3,452,205	1,071,129	2,381,070	222.3	7.0	4.9
Forest products of farms.....							2,880,991	1,300,724	1,580,267	122.2	5.0	6.0
Miscellaneous.....							84,431	6,078	28,353	406.5	0.1	(?)

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Less than one-tenth of 1 per cent.

<sup>3</sup> Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The general character of Oregon agriculture is indicated by the fact that somewhat more than one-third (36.4 per cent) of the total value of crops in 1909 was contributed by the cereals, somewhat less than one-third (31.0 per cent) by hay and forage, and about one-tenth (9.3 per cent) by potatoes and other vegetables. The remainder, representing 23.3 per cent of the total, consisted mostly of fruits and nuts, forest products, and hops.

The value of crops in 1909 was 124.9 per cent greater than in 1899, this increase being, no doubt, due in part to higher prices. There was an increase of 12.5 per cent in the total acreage of crops for which acreage was reported, all of the important crops showing increases in acreage; the increase in the acreage of cereals was relatively small, and that in hay and forage comparatively large.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The leading crops covered by the next table, in the order of their importance as judged by value, are hay and forage, \$15,226,000; wheat, \$10,849,000; oats, \$5,037,000; hops, \$2,839,000; and potatoes, \$2,099,000. It should be noted, however, that the production of vegetables, other than potatoes and sweet potatoes and yams, is more important than that of potatoes; statistics for such vegetables are given in a later table.

The table following presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, hops, and sundry minor crops.

CROP.	Farms report- ing.	Acres har- vested.	QUANTITY.		Value.
			Amount.	Unit.	
<b>Cereals, total.....</b>		1,242,300	26,343,230	Bu.....	\$17,860,130
Corn.....	3,715	17,280	451,757	Bu.....	310,430
Oats.....	13,636	339,162	10,881,286	Bu.....	5,037,164
Wheat, total.....	13,202	763,187	12,456,751	Bu.....	10,849,000
Common winter.....	10,392	621,632	10,323,000	Bu.....	8,931,233
Common spring.....	3,755	141,554	2,130,751	Bu.....	1,914,054
Durum or macaroni.....	9	101	2,990	Bu.....	2,849
Emmer and spelt.....	84	719	24,746	Bu.....	14,072
Burley.....	3,283	108,847	2,377,735	Bu.....	1,513,310
Buckwheat.....	30	168	3,314	Bu.....	2,156
Rye.....	728	12,913	147,024	Bu.....	132,756
Kafir corn and milo maize.....	4	24	617	Bu.....	312
<b>Other grains and seeds with acreage report, total.....</b>		1,039	17,973	Bu.....	40,240
Dry edible beans.....	675	502	8,032	Bu.....	23,342
Dry peas.....	155	430	9,344	Bu.....	16,936
<b>Seeds with no acreage report, total<sup>2</sup>.....</b>					370,941
Timothy seed.....	26	(3)	2,635	Bu.....	4,467
Clover seed.....	472	(5)	18,038	Bu.....	118,276
Alfalfa seed.....	97	(5)	8,096	Bu.....	98,295
Vetch seed.....	533	(5)	90,855	Bu.....	152,930
Other tame grass seed.....	297	(5)	31,304	Bu.....	20,744
Flower and garden seeds.....	41	(5)			6,080
<b>Hay and forage, total.....</b>	32,963	939,979	1,587,796	Tons.	15,225,957
Timothy alone.....	2,690	40,160	67,239	Tons.	724,091
Timothy and clover mixed.....	4,089	66,652	120,278	Tons.	1,449,854
Clover alone.....	5,057	47,435	83,909	Tons.	929,144
Alfalfa.....	4,708	120,427	375,445	Tons.	3,275,220
Millet or Hungarian grass.....	50	1,310	1,000	Tons.	14,232
Other tame or cultivated grasses.....	3,085	60,808	100,126	Tons.	1,063,978
Wild, salt, or prairie grasses.....	2,533	218,071	248,917	Tons.	1,684,046
Grains cut green.....	22,054	373,793	509,030	Tons.	5,738,931
Coarse forage.....	2,394	10,462	67,107	Tons.	292,929
Root forage.....	630	945	9,055	Tons.	53,532
Potatoes.....	25,215	44,265	4,822,062	Bu.....	2,098,648
Sweet potatoes and yams.....	11	5	843	Bu.....	958
Hops.....	1,071	21,770	16,582,592	Lbs.....	2,838,800
Sundry minor crops, total.....		52			3,340

<sup>1</sup> Includes small amounts of flaxseed and peanuts.

<sup>2</sup> Includes small amount of millet seed.

<sup>3</sup> The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers, and plants, etc.

<sup>4</sup> Includes small amounts of tobacco, ginseng, and tansels.

The total acreage of cereals is about one and one-third times that of hay and forage and their value about one and one-fifth times that of the latter crop. The two leading cereals, oats and wheat, combined exceed in acreage and value the entire hay and forage crop. The acreage and value of oats are less than one-half those of wheat and more than three times as great as those of barley.

Of the total acreage and total value reported for hay and forage, alfalfa represents, respectively, over one-eighth and slightly more than one-fifth. On the other hand, "grains cut green," with an acreage over three times that of alfalfa, represents less than two-fifths of the total value. "Wild, salt, or prairie grasses" rank second in acreage and third in value, while "timothy and clover mixed," with less than one-third as great an acreage, stands fourth in both respects.

Among "other grains and seeds" and "sundry crops," hops and potatoes are the most important. Potatoes, with an acreage little more than one-eighth that of oats, have a value about two-fifths that of the latter crop, and hops, though having an acreage less than one-half that of potatoes, greatly exceed them in value.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the following table:

CROP YEAR.	ACRES HARVESTED.					
	Oats.	Wheat.	Barley.	Hay and forage.	Potatoes.	Hops.
1909.....	330,162	703,187	108,847	939,070	44,205	21,770
1899.....	201,406	873,379	60,375	731,823	30,035	15,433
1889.....	218,736	553,052	37,722	467,061	17,065	3,130
1879.....	151,624	445,077	20,311	160,596	( <sup>1</sup> )	304

<sup>1</sup> Not reported.

With the exception of wheat each of the cereals shows an increase in acreage during each decade covered by the table. Oats show a steady gain for the whole period, the largest increase occurring during the past decade. During the first 20 years of the period wheat nearly doubled its acreage, but for the past decade it shows a slight decrease. Barley has increased continuously, nearly quadrupling its acreage during the 30-year period.

The acreage of hay and forage increased over four and one-half fold during the 30-year period, the greatest gain, both absolute and relative, being made in the first decade, when it nearly trebled. During the 20 years since 1889 the acreage of potatoes shows a gain of 146.4 per cent, while that of hops increased during the 30-year period from 304 to 21,770.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of

increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres: 1899 to 1909 <sup>1</sup>	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899			
Corn.....	8.2	7.9	0.4	0.5	1.7	26.1 Bu.	\$17.96
Oats.....	30.0	35.5	7.9	7.9	20.7	32.1 Bu.	14.85
Wheat.....	29.0	45.6	17.9	26.2	-12.6	16.3 Bu.	14.22
Barley.....	7.2	8.3	2.5	1.8	80.3	21.8 Bu.	13.90
Hay and forage.....	72.4	81.7	22.0	22.0	28.4	1.69 Tons.	16.20
Potatoes.....	65.4	63.4	1.0	0.9	47.4	109.0 Bu.	47.41
Hops.....	2.4	3.1	0.5	0.5	41.1	701.7 lbs.	130.40

<sup>1</sup> A minus sign (-) denotes decrease.

Of every 100 farms, 72 report hay and forage; 55, potatoes; 30, oats; 29, wheat; 8, corn; 7, barley; and 2, hops. Each of these crops, with the exception of corn, is reported by a smaller percentage of farmers than in 1899.

The seven crops included in the preceding table cover about 52 per cent of the improved land of the state. Wheat occupied 17.9 per cent of the total acreage of the improved land in 1909, as compared with 26.2 per cent in 1899. Oats, hay and forage, and hops each occupied the same proportion of the total acreage of improved land in 1909 as in 1899, while corn and wheat show decreases, and barley and potatoes show increases in the proportion of improved land occupied. The increase in the total acreage of the cereals for the past ten years is 19,652, or 1.6 per cent; the increase in that of hay and forage, 208,156, or 28.4 per cent.

The average value per acre of all cereals combined is \$14.38, corn and oats exceeding this average; wheat and barley falling below it. The average value per acre of hay and forage is a little above that of the cereals, but only about one-third as great as that of potatoes, and slightly less than one-eighth as great as that of hops.

The decrease in wheat is confined entirely to the counties west of the Cascade Mountains. More than three-fifths of the total wheat acreage is reported from four counties, Umatilla, Sherman, Gilliam, and Morrow, constituting a group along the northern boundary.

In the acreage of oats there has been a general increase, though Umatilla, Tillamook, and Morrow Counties, and a single group of four counties in the southwestern corner of the state report decreases. Approximately three-fourths of the total acreage and total yield of oats for the state is reported from the group of counties occupying the Willamette Valley. Nearly the whole production of hops is also reported from these counties, the greatest acreage and yield being reported by Marion and Polk Counties.

About one-half of the total acreage of potatoes is reported by a small group of counties, comprising

Clackamas, Marion, Multnomah, and Washington, in the lower Willamette Valley. All but three counties report barley. Gilliam and Umatilla report about two-fifths of the total acreage.

In the acreage of hay and forage reported, the leading county is Harney. Nearly one-fifth of the total hay and forage acreage is reported from Klamath, Lake, and Harney Counties, forming a row along the southern boundary. There are but seven scattered counties which show decreases.

The leading counties in the acreage of "grains cut green" are Lane, Linn, Crook, Douglas, Wasco, and Umatilla, the first five reporting over one-third of the total acreage of the state.

Every county except two reports alfalfa. One group, consisting of Umatilla, Union, Baker, and Malheur Counties, extending in a row through the eastern portion of the state, reports about one-half of the total acreage.

Vegetables, flowers and plants, and nursery products: 1909 and 1899.—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products.

CROP.	FARMS REPORTING: 1909		ACRES.		VALUE OF PRODUCTS.	
	Number.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	29,038	63.8	23,129	10,345	\$2,448,017	\$1,074,408
Farms reporting a product of \$500 or over.....	498	1.1	3,851	.....	672,679	.....
All other farms.....	28,538	62.7	19,278	.....	1,775,298	.....
Flowers and plants, total.....	140	0.3	130	58	268,833	65,872
Farms reporting a product of \$250 or over.....	72	0.2	.....	.....	236,187	.....
All other farms.....	68	0.1	.....	.....	32,646	.....
Nursery products, total.....	112	0.2	2,168	1,014	783,020	151,408
Farms reporting a product of \$250 or over.....	57	0.1	.....	.....	767,738	.....
All other farms.....	55	0.1	.....	.....	15,282	.....

<sup>1</sup> Does not include 4,948 farms which reported that they had vegetable gardens, but gave no information as to their products.

In 1909 the total acreage of potatoes and other vegetables was 67,399, and their value \$4,548,523. Excluding (so far as reported separately<sup>1</sup>) potatoes and sweet potatoes and yams, the acreage of vegetables was 23,129 and their value \$2,449,000, both acreage and value being decidedly greater than in 1899.

The raising of flowers and plants and of nursery products is also of some importance in Oregon, 2,298 acres being devoted to them in 1909, and the output being valued at \$1,051,853. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

<sup>1</sup> It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

Small fruits: 1909 and 1899.—The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting: 1909	ACRES.		Quantity (quarts): 1909	Value: 1909
		1909	1899		
Small fruits, total.....	.....	5,122	3,470	9,348,490	\$641,194
Strawberries.....	3,701	2,941	1,792	5,323,040	305,349
Blackberries and dewberries....	1,307	431	717	915,744	61,066
Raspberries and loganberries....	3,294	1,400	470	2,644,948	150,739
Currents.....	877	89	169	117,354	9,452
Gooseberries.....	1,465	186	203	307,385	20,893
Cranberries.....	17	14	6	40,864	3,527
Other berries.....	3	1	104	145	178

Strawberries are by far the most important of the small fruits raised in Oregon, with raspberries and loganberries ranking next. The total acreage of small fruits in 1909 was 5,122 and in 1899, 3,470, an increase of 47.6 per cent. The production in 1909 was 9,348,000 quarts, as compared with 6,646,000 quarts in 1899, and the value was \$641,000 in 1909, as compared with \$387,000 in 1899.

Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.—The following table presents data with regard to orchard fruits, grapes, nuts, and tropical fruits. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

CROP.	TREES OR VINES OF BEARING AGE: 1910		TREES OR VINES NOT OF BEARING AGE: 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity. <sup>1</sup>	Value.	Quantity. <sup>1</sup>
Orchard fruits, total.....	.....	4,583,735	.....	4,309,232	4,423,244	\$3,339,845	1,522,01
Apples.....	23,850	2,029,913	14,327	2,240,630	1,930,920	1,656,944	873,98
Peaches and nectarines.....	7,870	273,162	6,812	508,179	179,030	194,314	101,11
Pears.....	18,133	273,542	8,024	795,069	374,022	360,977	112,22
Plums and prunes.....	18,308	1,704,896	6,486	427,000	1,747,587	838,783	359,82
Cherries.....	17,281	223,450	9,040	313,770	181,089	269,934	65,32
Apricots.....	1,254	10,650	1,180	18,128	4,616	7,727	1,60
Quinces.....	3,317	8,102	1,730	5,210	5,354	5,140	( <sup>2</sup> )
Mulberries.....	7	8	12	25	20	20	( <sup>2</sup> )
Unclassified.....	.....	.....	.....	.....	.....	.....	<sup>3</sup> 7,77
Grapes.....	4,816	381,302	2,840	468,598	3,206,874	98,776	5,389,10
Nuts, total.....	.....	116,902	.....	197,050	177,632	13,208	42,91
English or Persian walnuts.....	1,134	9,520	4,300	177,094	79,060	8,288	6,114
Almonds.....	429	3,900	505	4,117	17,615	2,468	17,522
Black walnuts.....	261	2,024	150	3,405	69,067	1,333	( <sup>2</sup> )
Chestnuts.....	104	713	202	1,786	5,731	599	( <sup>2</sup> )
Unclassified.....	.....	.....	.....	.....	.....	.....	<sup>4</sup> 10,356
Tropical fruits (figs.).....	55	149	92	340	5,486	376	551

<sup>1</sup> Expressed in bushels for orchard fruits and pounds for grapes, nuts, and figs  
<sup>2</sup> Included with "unclassified."  
<sup>3</sup> Consists of products not separately named by the enumerator, but grouped under the designation "all other."  
<sup>4</sup> Includes pecans, butternuts, filberts, French walnuts, Japanese walnuts, hazel nuts, Brazil nuts, beechnuts, chinquapins, hickory nuts, and other nuts.



The total quantity of orchard fruits produced in 1909 was 4,423,000 bushels, valued at \$3,340,000. Apples were the most important of the orchard fruits produced, and plums and prunes ranked next. The production of grapes in 1909 amounted to 3,206,874 pounds, valued at \$98,776, and of nuts to 177,632 pounds, valued at \$13,208.

The production of all orchard fruits together in 1909 was 190.6 per cent greater than in 1899, while that of grapes declined. The value of orchard fruits increased from \$906,000 in 1899 to \$3,340,000 in 1909, while that of grapes declined from \$162,543 in 1899 to \$98,776 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore include some duplication, while the values shown for 1909 relate only to the products in their original condition.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING: 1909		QUANTITY PRODUCED.		
	Number.	Percent of all farms.	Unit.	1909	1899
Cider.....	1,346	3.0	Gals....	89,019	64,890
Vinegar.....	1,329	2.9	Gals....	99,643	36,865
Wine and grape juice.....	317	0.7	Gals....	31,232	21,219
Dried fruits.....	1,615	3.5	Lbs.....	10,904,713	2,818,200

**Forest products: 1909 and 1899.**—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in

**SELECTED FARM EXPENSES AND RECEIPTS.**

**Farm expenses: 1909 and 1899.**—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899:

EXPENSE.	1909		Amount.	1899	INCREASE.	
	Farms reporting.				Amount.	Amount.
	Number.	Per cent of all farms.				
Labor.....	24,229	53.2	\$11,101,864	\$4,842,834	\$6,259,030	129.2
Feed.....	21,012	46.2	3,198,368	(1)		
Fertilizer.....	2,887	6.3	68,557	27,395	41,162	150.3

<sup>1</sup> Not reported at the census of 1900.

1909." There were 20,641 farms in Oregon (45.4 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,889,991, as compared with \$1,300,724 in 1899, an increase of 122.2 per cent. Of the value in 1909, \$1,226,010 was reported as that of products used or to be used on the farms themselves, \$1,272,860 as that of products sold or for sale, and \$391,121 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

**Sugar crops: 1909 and 1899.**—The table below shows data with regard to sugar beets and sorghum cane. The total value of sugar beets produced in 1909 was \$74,902, as compared with \$63,322 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Number.	Percent of all farms.		Amount.	Unit.	Value.
Sugar beets:						
1909 <sup>1</sup> .....	208	0.5	1,176	15,606	Tons...	\$74,902
1899.....	63	0.2	2,510	14,462	Tons...	63,322
Sorghum cane:						
Total, 1909 <sup>2</sup> .....						8,143
Cane grown.....	85	0.2	153	1,787	Tons...	
Sirup made.....	17	( <sup>3</sup> )		1,374	Gals....	1,131
Total, 1899.....						1,193
Cane grown.....	33	0.1	39	300	Tons...	
Cane sold as such.....				11	Tons...	43
Sirup made.....				2,473	Gals....	1,150

<sup>1</sup> Includes beets used as root forage.  
<sup>2</sup> Includes cane used as coarse forage.  
<sup>3</sup> Less than one-tenth of 1 per cent.

**Miscellaneous crops: 1909.**—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 795 farmers in Oregon sold, during 1909, 10,673 tons of straw, for which they received \$34,198.

Over half of the farmers hire labor, the average amount expended by the farmers hiring being \$458. During the decade the total expenditure for labor increased \$6,259,000, or 129.2 per cent. About a sixth of the amount reported as expended for labor is in the form of rent and board. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About one farmer out of every two reports some expenditure for feed, but only about six out of every hundred purchase fertilizer. The total amount reported as paid for fertilizer has increased \$41,162, or 150.3 per cent, during the decade, the average per farm reporting being \$23.75.

Receipts from sale of feedable crops: 1909.—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as the production of the more important feedable crops (that is crops ordinarily fed to live stock).

While the total amount expended by Oregon farmers for the purchase of feed in 1909 was \$3,198,000, the total receipts from the sale of feed by those reporting sales amounted to \$4,514,000.

The table following summarizes the data reported.

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total .....	307	0.7	30,009	Bu.	\$4,514,161
Corn .....	5,458	12.0	3,240,248	Bu.	23,191
Oats .....	883	1.0	610,621	Bu.	1,537,094
Barley .....	0,020	14.0	262,290	Tons.	369,830
Hay and coarse forage .....					2,563,140

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to products of live stock on farms (dairy products, poultry and eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or

trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909 and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

*Change in 1900 figures.*—In 1900, 484,039 acres of the Warm Springs Indian Reservation were included as a farm in Crook County, but are not here included for 1910. Thus the statistics for Crook County and for the state as a whole for 1910 are not entirely comparable with those for 1900.

*Change of boundaries.*—In comparing the data secured in 1910 with that for 1900, the following changes in county boundaries should be considered: Hood River County was organized from a part of Wasco County in 1908, and a part of Union County was annexed to Baker County in 1902.

TABLE 1.—FARMS AND FARM PRO

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Baker. <sup>1</sup>	Benton.	Clackamas.
1 Population.....	672,705	18,076	10,063	29,931
2 <i>Population in 1900.....</i>	<i>413,530</i>	<i>16,697</i>	<i>6,708</i>	<i>19,658</i>
3 Number of all farms.....	45,502	1,304	1,098	3,646
4 <i>Number of all farms in 1900.....</i>	<i>55,897</i>	<i>725</i>	<i>895</i>	<i>2,568</i>
5 Color and nativity of farmers:				
6 Native white.....	35,819	1,160	937	2,456
7 Foreign-born white.....	9,056	139	101	1,172
8 Negro and other nonwhite.....	227	5		16
9 Number of farms, classified by size:				
10 Under 3 acres.....	244	9	3	10
11 3 to 9 acres.....	2,039	29	40	299
12 10 to 19 acres.....	3,147	33	75	382
13 20 to 49 acres.....	6,888	123	143	919
14 50 to 99 acres.....	6,800	147	131	992
15 100 to 174 acres.....	12,009	528	290	708
16 175 to 259 acres.....	3,680	126	133	177
17 260 to 499 acres.....	5,063	209	176	131
18 500 to 999 acres.....	2,710	70	74	15
19 1,000 acres and over.....	1,710	30	24	4
<b>LAND AND FARM AREA</b>				
20 Approximate land area..... acres.....	61,188,480	1,958,400	440,320	1,192,060
21 Land in farms..... acres.....	11,685,110	297,695	235,504	301,009
22 <i>Land in farms in 1900.....</i>	<i>10,071,328</i>	<i>176,455</i>	<i>235,504</i>	<i>293,491</i>
23 Improved land in farms..... acres.....	4,274,803	137,750	91,063	103,371
24 <i>Improved land in farms in 1900.....</i>	<i>3,328,508</i>	<i>78,389</i>	<i>85,825</i>	<i>96,081</i>
25 Woodland in farms..... acres.....	2,237,826	25,851	70,426	67,588
26 Other unimproved land in farms..... acres.....	5,172,481	134,085	73,415	100,050
27 Per cent of land area in farms.....	19.1	15.2	53.5	25.2
28 Per cent of farm land improved.....	36.0	46.3	38.9	34.3
29 Average acres per farm.....	256.8	228.3	214.5	82.6
30 Average improved acres per farm.....	93.0	105.6	83.5	28.4
<b>VALUE OF FARM PROPERTY</b>				
31 All farm property..... dollars.....	528,243,782	15,232,080	11,950,336	29,725,795
32 <i>All farm property in 1900.....</i>	<i>172,761,287</i>	<i>4,146,897</i>	<i>4,647,091</i>	<i>9,251,479</i>
33 Per cent increase, 1900-1910.....	205.8	362.8	152.8	221.3
34 Land..... dollars.....	411,006,102	10,010,605	9,297,204	23,564,509
35 <i>Land in 1900.....</i>	<i>115,187,820</i>	<i>2,100,485</i>	<i>3,381,460</i>	<i>6,684,350</i>
36 Buildings..... dollars.....	43,880,207	1,150,806	1,290,420	3,404,895
37 <i>Buildings in 1900.....</i>	<i>19,199,694</i>	<i>407,886</i>	<i>529,480</i>	<i>1,802,620</i>
38 Implements and machinery..... dollars.....	13,205,645	434,543	331,037	813,434
39 <i>Implements, etc., in 1900.....</i>	<i>9,506,725</i>	<i>148,895</i>	<i>166,950</i>	<i>377,650</i>
40 Domestic animals, poultry, and bees..... dollars.....	59,461,828	2,717,946	1,115,585	1,942,057
41 <i>Domestic animals, etc., in 1900.....</i>	<i>33,917,048</i>	<i>1,400,712</i>	<i>651,091</i>	<i>346,879</i>
42 Per cent of value of all property in—				
43 Land.....	77.9	71.7	77.8	79.3
44 Buildings.....	8.3	7.6	10.1	11.5
45 Implements and machinery.....	2.5	2.9	2.8	2.7
46 Domestic animals, poultry, and bees.....	11.3	17.8	0.3	6.5
47 Average values:				
48 All property per farm..... dollars.....	11,600	11,681	10,884	8,153
49 Land and buildings per farm..... dollars.....	10,012	9,263	9,586	7,397
50 Land per acre..... dollars.....	35.23	36.48	30.48	78.29
51 <i>Land per acre in 1900.....</i>	<i>11.25</i>	<i>12.41</i>	<i>14.35</i>	<i>22.25</i>
<b>DOMESTIC ANIMALS (farms and ranges)</b>				
52 Farms reporting domestic animals.....	42,200	1,255	1,055	3,411
53 Value of domestic animals..... dollars.....	58,243,921	2,683,725	1,069,572	1,829,495
54 <b>Cattle:</b>				
55 Total number.....	4,725,255	4,37,955	4,11,014	21,370
56 Dairy cows.....	172,550	4,802	5,083	11,378
57 Other cows.....	217,480	14,070	1,370	2,250
58 Yearling heifers.....	83,102	4,348	1,184	2,788
59 Calves.....	76,238	3,039	1,526	2,071
60 Yearling steers and bulls.....	57,567	3,855	440	932
61 Other steers and bulls.....	93,146	6,845	861	1,042
62 Value..... dollars.....	4,17,570,685	4,800,665	4,284,059	563,062
63 <b>Horses:</b>				
64 Total number.....	4,271,708	12,762	4,317	8,043
65 Mature horses.....	229,545	10,585	3,852	8,175
66 Yearling colts.....	30,154	1,584	339	440
67 Spring colts.....	10,081	593	126	128
68 Value..... dollars.....	4,25,181,143	1,032,064	581,071	1,070,889
69 <b>Mules:</b>				
70 Total number.....	9,927	176	64	75
71 Mature mules.....	7,708	103	60	71
72 Yearling colts.....	1,782	55	4	2
73 Spring colts.....	437	12		2
74 Value..... dollars.....	1,185,788	15,355	10,095	10,690
75 <b>Asses and burros:</b>				
76 Number.....	548	23	8	2
77 Value..... dollars.....	150,777	6,475	1,730	40
78 <b>Swine:</b>				
79 Total number.....	217,577	8,029	5,421	15,687
80 Mature hogs.....	139,306	5,457	3,524	9,051
81 Spring pigs.....	78,271	2,572	1,897	6,636
82 Value..... dollars.....	1,570,949	60,881	38,360	111,549
83 <b>Sheep:</b>				
84 Total number.....	2,099,135	140,933	28,579	15,193
85 Rams, ewes, and wethers.....	1,958,342	111,157	18,811	9,577
86 Spring lambs.....	740,793	38,776	9,768	5,616
87 Value..... dollars.....	12,213,942	676,820	125,159	58,274
88 <b>Goats:</b>				
89 Number.....	185,411	120	15,316	10,351
90 Value..... dollars.....	370,637	550	28,198	15,051
<b>POULTRY AND BEES</b>				
91 Number of poultry of all kinds.....	1,823,680	46,384	58,769	150,708
92 Value..... dollars.....	1,067,743	25,174	42,038	102,249
93 Number of colonies of bees.....	47,285	2,285	1,617	3,864
94 Value..... dollars.....	150,164	9,047	3,975	11,213

<sup>1</sup> Change of boundary. (See explanation at close of text.)<sup>2</sup> Indian reservation included as a farm in 1900. (See explanation at close of text.)

STATISTICS OF AGRICULTURE.

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in Italics.]

	Columbia.	Coos.	Crook. <sup>2</sup>	Curry.	Douglas.	Gilliam.	Grant.	Harney.	Hood River.	Jackson.	Josephine.	Klamath. <sup>3</sup>
1	10,580	17,950	9,315	2,044	19,674	3,701	5,607	4,050	8,016	25,756	9,597	8,554
2	6,237	10,324	5,964	1,868	14,666	5,201	5,948	2,608	(1)	13,698	7,617	3,970
3	813	1,128	1,355	292	2,124	432	773	443	744	1,714	855	926
4	801	863	676	260	1,641	441	697	348	(1)	1,556	557	453
5	469	801	1,105	228	1,834	373	657	386	631	1,533	750	648
6	343	231	163	50	268	59	115	57	106	175	96	114
7	1	6	87	14	22	-----	1	-----	7	6	-----	164
8	1	3	-----	-----	3	2	1	12	1	15	1	5
9	27	40	-----	1	95	1	2	-----	91	141	67	9
10	84	39	2	-----	120	-----	3	-----	200	161	58	12
11	209	149	84	14	251	4	12	3	240	310	144	40
12	203	142	90	19	256	3	10	10	107	256	143	65
13	176	448	590	121	561	77	202	140	84	452	283	312
14	47	123	93	21	239	10	48	34	10	152	70	71
15	44	120	262	60	325	85	195	128	8	147	67	179
16	16	44	122	20	194	100	103	69	-----	50	19	128
17	6	11	103	27	80	150	98	50	3	30	6	105
18	423,680	1,041,920	4,077,920	958,720	3,150,080	768,640	2,892,800	6,357,120	347,520	1,815,040	1,120,640	3,830,300
19	91,372	202,102	571,600	109,772	577,428	434,277	445,170	562,204	38,040	297,171	121,845	454,340
20	142,006	172,539	733,484	103,830	553,168	340,400	516,340	272,877	(1)	294,193	96,619	231,564
21	16,112	35,474	138,364	22,910	117,116	235,060	53,045	199,271	14,284	103,238	30,969	170,504
22	16,045	37,622	66,734	23,149	122,097	136,253	41,222	126,649	(1)	92,103	22,439	72,250
23	26,317	95,764	20,274	20,274	237,309	4,834	60,088	10,923	12,213	142,371	44,804	73,809
24	43,943	70,597	372,022	57,532	223,004	193,727	342,037	343,010	11,562	51,502	26,072	203,907
25	21.6	19.4	11.5	11.1	18.3	56.5	15.4	8.8	10.9	16.4	10.9	11.8
26	17.6	17.6	24.2	21.5	20.3	54.3	11.9	35.4	37.5	34.7	25.4	38.9
27	112.4	179.2	421.8	365.7	271.9	1,095.3	575.9	1,269.1	51.1	173.4	142.5	490.6
28	10.8	31.4	102.1	78.5	65.1	645.5	68.6	449.8	10.2	60.2	30.2	190.7
29	4,666,278	8,829,700	14,134,843	2,345,570	19,179,380	10,721,357	7,654,412	11,679,604	14,408,138	30,617,000	9,301,450	12,053,776
30	2,287,499	3,193,319	5,000,111	1,462,628	7,074,723	2,977,888	3,007,760	3,728,727	(1)	5,322,236	1,521,059	1,992,808
31	104.0	176.5	182.7	60.4	171.0	300.4	154.5	213.2	-----	475.3	314.3	504.8
32	3,280,675	6,753,089	10,027,028	1,732,755	15,109,142	8,191,720	4,451,261	6,942,100	12,037,812	26,024,672	5,065,780	9,168,541
33	1,466,660	2,117,570	2,846,440	999,500	4,704,020	1,438,470	1,220,870	1,457,920	(1)	3,614,660	958,200	807,780
34	791,645	953,735	697,832	233,215	1,872,605	517,025	542,033	490,850	999,484	1,922,033	670,570	688,745
35	411,290	412,080	398,680	140,410	876,080	237,120	266,080	262,690	(1)	698,810	248,660	251,130
36	157,393	250,450	378,048	55,873	482,949	444,207	205,570	215,336	203,572	181,807	181,807	350,930
37	76,820	105,050	117,600	36,010	255,180	153,910	110,180	77,540	(1)	219,820	70,170	69,090
38	436,565	805,381	3,031,935	323,733	1,705,594	1,598,405	2,455,015	4,031,378	267,270	1,254,697	377,233	1,845,551
39	353,719	563,119	1,042,391	286,908	1,178,543	845,388	1,410,780	1,950,777	(1)	788,886	245,719	846,298
40	70.3	76.5	70.0	73.9	78.8	76.4	58.2	59.4	89.8	87.0	80.4	76.1
41	17.0	10.8	4.9	9.9	9.8	4.8	7.1	4.2	6.9	6.3	10.7	5.7
42	3.4	2.9	2.7	2.4	2.5	4.1	2.7	1.8	1.4	1.7	2.0	2.0
43	9.4	9.8	21.5	13.8	8.9	14.6	32.1	34.5	1.9	4.1	6.0	15.3
44	5,740	7,828	10,432	8,033	9,020	24,818	9,902	26,365	19,360	17,863	7,370	13,017
45	5,009	6,832	7,015	6,733	7,995	20,159	6,460	16,779	18,733	16,830	6,716	10,645
46	35.90	33.41	17.54	16.23	20.17	18.86	10.00	12.35	340.03	90.60	41.58	20.18
47	10.26	12.29	3.63	9.68	8.91	4.22	3.89	5.34	(1)	12.29	9.98	3.66
48	767	1,021	1,224	278	1,978	423	738	421	633	1,550	726	850
49	417,660	841,070	3,013,955	319,756	1,634,927	1,558,046	2,442,783	4,026,112	256,990	1,216,454	304,409	1,827,855
50	7,802	20,046	45,391	5,503	22,474	4,599	49,552	49,811	1,372	16,736	6,625	49,873
51	4,515	8,544	2,098	1,948	6,660	896	3,053	1,840	780	3,824	2,011	3,166
52	580	2,394	18,373	944	5,424	1,893	15,286	30,502	116	9,317	1,763	12,160
53	873	2,220	4,068	658	2,151	452	4,825	9,597	142	2,036	774	3,479
54	1,149	3,601	3,491	788	3,072	567	4,008	2,600	220	1,861	860	4,232
55	206	1,301	4,658	496	1,797	424	4,720	8,023	60	1,282	459	3,345
56	479	1,986	9,841	669	3,364	457	7,451	16,737	48	1,410	658	3,560
57	218,782	465,878	1,103,181	115,704	475,976	118,348	482,121	4,212,169	46,096	376,951	134,421	479,864
58	1,650	2,873	19,920	902	6,883	8,179	11,973	12,886	1,304	5,856	1,900	11,910
59	1,524	2,554	15,276	813	6,025	9,079	9,556	9,858	1,310	5,272	1,742	9,688
60	86	271	2,933	74	612	847	1,882	1,709	37	418	126	1,723
61	40	48	802	15	246	353	535	819	8	166	32	499
62	177,395	295,287	1,100,360	76,909	740,605	893,844	632,513	489,737	293,061	647,687	199,426	907,453
63	10	21	187	45	139	974	178	638	9	303	72	885
64	10	20	159	37	131	828	97	403	9	237	59	463
65	-----	1	21	7	6	119	64	149	-----	11	12	393
66	-----	-----	7	1	2	27	17	26	-----	5	1	29
67	1,475	2,485	16,720	3,520	17,640	137,215	14,910	62,325	1,725	46,415	7,490	72,663
68	-----	5	26	12	5	17	11	40	-----	42	8	40
69	-----	125	6,210	1,785	100	6,245	5,530	17,540	-----	2,097	1,445	21,475
70	2,068	6,282	4,093	2,934	8,940	3,014	3,398	1,450	452	10,880	2,763	4,572
71	1,167	4,154	2,882	1,878	6,176	2,201	2,474	965	374	7,261	1,603	2,739
72	901	2,128	1,211	1,056	2,764	813	924	485	78	3,628	1,150	1,833
73	13,816	34,052	20,920	10,404	51,757	23,878	20,624	11,227	3,897	57,561	13,477	32,686
74	1,752	11,620	142,698	34,911	75,918	100,411	202,073	195,231	225	18,622	776	16,339
75	1,168	7,765	111,093	24,536	49,716	70,337	158,607	145,058	175	12,571	517	10,491
76	584	3,855	31,605	10,375	26,202	30,074	43,466	50,173	50	6,051	259	5,848
77	5,631	35,805	667,419	106,908	288,346	463,413	906,676	912,104	575	70,184	2,784	82,337
78	230	1,052	20	1,330	27,196	26	89	1	15	4,894	1,402	558
79	561	4,438	145	4,526	60,503	102	409	10	45	15,049	5,366	1,377
80	25,249	36,210	30,277	6,306	90,883	20,026	21,054	9,390	15,356	57,827	21,030	25,430
81	16,232	19,734	15,746	2,862	61,392	9,797	9,346	4,836	16,367	31,071	10,810	13,064
82	699	1,685	423	356	3,062	113	938	74	167	1,798	625	755
83	2,673	5,577	2,234	1,115	9,275	563	2,886	430	904	6,572	2,014	3,732

<sup>3</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

<sup>4</sup> Includes animals, age or sex not specified.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	Lake. <sup>1</sup>	Lane.	Lincoln.	Linn.	Malheur.	Marion.	Morrow.
1 Population.....	4,658	33,783	5,587	22,062	8,601	30,780	4,357
2 <i>Population in 1900.....</i>	<i>2,847</i>	<i>19,604</i>	<i>3,675</i>	<i>18,603</i>	<i>4,203</i>	<i>27,713</i>	<i>4,161</i>
3 Number of all farms.....	712	2,826	901	2,751	801	3,490	614
4 <i>Number of all farms in 1900.....</i>	<i>597</i>	<i>2,370</i>	<i>480</i>	<i>2,417</i>	<i>583</i>	<i>2,764</i>	<i>586</i>
5 Color and nativity of farmers:							
6 Native white.....	614	2,378	700	2,307	664	2,584	527
7 Foreign-born white.....	97	445	225	383	134	866	87
8 Negro and other nonwhite.....	1	3	30	1	3	40	—
9 Number of farms, classified by size:							
10 Under 3 acres.....	15	8	—	7	26	6	1
11 3 to 9 acres.....	—	149	16	106	8	318	11
12 10 to 19 acres.....	3	180	10	125	14	364	6
13 20 to 49 acres.....	14	423	71	320	92	758	7
14 50 to 99 acres.....	20	497	135	529	97	714	14
15 100 to 174 acres.....	328	723	502	733	272	670	119
16 175 to 259 acres.....	35	297	63	383	73	293	31
17 260 to 499 acres.....	182	382	84	444	135	292	113
18 500 to 999 acres.....	50	134	16	78	49	61	133
19 1,000 acres and over.....	56	33	4	17	35	14	179
<b>LAND AND FARM AREA</b>							
20 Approximate land area.....acres.....	5,068,800	2,951,680	645,120	1,435,520	6,325,120	764,160	1,296,000
21 Land in farms.....acres.....	401,555	485,265	158,282	402,337	230,175	394,415	673,997
22 <i>Land in farms in 1900.....</i>	<i>249,288</i>	<i>298,065</i>	<i>89,665</i>	<i>491,439</i>	<i>231,043</i>	<i>390,091</i>	<i>609,968</i>
23 Improved land in farms.....acres.....	104,419	150,127	15,238	236,033	81,901	211,087	230,029
24 <i>Improved land in farms in 1900.....</i>	<i>95,284</i>	<i>140,618</i>	<i>8,523</i>	<i>216,582</i>	<i>91,260</i>	<i>199,254</i>	<i>144,487</i>
25 Woodland in farms.....acres.....	30,360	180,770	90,670	94,119	4,731	102,408	38,424
26 Other unimproved land in farms.....acres.....	260,767	145,368	43,365	132,185	143,543	80,920	399,544
27 Per cent of land area in farms.....	7.9	16.4	24.5	32.2	3.6	51.6	52.0
28 Per cent of farm land improved.....	26.0	32.8	9.6	51.1	35.0	53.5	35.0
29 Average acres per farm.....	564.0	171.7	104.7	108.1	287.4	113.0	1,097.7
30 Average improved acres per farm.....	146.7	50.3	15.9	85.8	102.2	60.5	384.4
<b>VALUE OF FARM PROPERTY</b>							
31 All farm property.....dollars.....	9,031,775	23,947,624	4,038,704	27,047,815	12,705,304	36,256,354	10,062,040
32 <i>All farm property in 1900.....</i>	<i>5,416,774</i>	<i>8,473,807</i>	<i>887,078</i>	<i>10,758,040</i>	<i>5,397,497</i>	<i>15,389,000</i>	<i>3,724,409</i>
33 Per cent increase, 1900-1910.....	164.3	182.6	355.0	151.4	137.1	170.8	194.3
34 Land.....dollars.....	5,889,622	10,088,058	3,221,420	20,963,372	8,107,016	28,948,165	8,332,090
35 <i>Land in 1900.....</i>	<i>1,324,840</i>	<i>5,816,200</i>	<i>546,010</i>	<i>7,516,860</i>	<i>2,142,860</i>	<i>10,186,780</i>	<i>1,982,331</i>
36 Buildings.....dollars.....	306,695	2,332,067	358,745	2,763,405	638,543	3,958,784	558,655
37 <i>Buildings in 1900.....</i>	<i>232,040</i>	<i>1,089,180</i>	<i>127,890</i>	<i>1,360,250</i>	<i>277,500</i>	<i>1,472,440</i>	<i>270,800</i>
38 Implements and machinery.....dollars.....	166,125	610,480	102,274	752,094	328,489	883,676	289,720
39 <i>Implements, etc., in 1900.....</i>	<i>92,340</i>	<i>348,770</i>	<i>24,600</i>	<i>434,350</i>	<i>189,720</i>	<i>417,260</i>	<i>146,080</i>
40 Domestic animals, poultry, and bees.....dollars.....	2,670,433	1,916,119	356,325	2,508,944	3,691,250	2,405,729	1,782,175
41 <i>Domestic animals, etc., in 1900.....</i>	<i>1,766,154</i>	<i>1,220,667</i>	<i>188,878</i>	<i>1,437,680</i>	<i>2,337,567</i>	<i>1,312,020</i>	<i>1,318,798</i>
42 Per cent of value of all property in—							
43 Land.....	65.2	70.7	79.8	77.5	63.4	79.8	76.0
44 Buildings.....	4.4	9.7	8.9	10.2	5.2	10.9	5.1
45 Implements and machinery.....	1.8	2.5	2.5	2.8	2.0	2.4	2.6
46 Domestic animals, poultry, and bees.....	28.6	8.0	8.8	0.5	28.8	6.8	16.3
47 Average values:							
48 All property per farm.....dollars.....	12,685	8,474	4,203	9,832	15,974	10,380	17,854
49 Land and buildings per farm.....dollars.....	8,229	7,580	3,725	8,625	10,950	9,429	14,480
50 Land per acre.....dollars.....	14.67	30.34	20.35	45.34	35.22	73.40	12.36
51 <i>Land per acre in 1900.....</i>	<i>5.31</i>	<i>11.55</i>	<i>6.10</i>	<i>15.30</i>	<i>6.69</i>	<i>25.72</i>	<i>5.39</i>
<b>DOMESTIC ANIMALS (farms and ranges)</b>							
52 Farms reporting domestic animals.....	564	2,671	706	2,654	750	3,290	586
53 Value of domestic animals.....dollars.....	2,572,416	1,839,938	344,219	2,459,932	3,670,413	2,340,670	1,765,436
54 Cattle:							
55 Total number.....	57,020	26,597	7,690	29,008	37,859	25,375	6,161
56 Dairy cows.....	1,733	10,891	3,385	13,802	2,888	13,467	1,653
57 Other cows.....	30,767	4,658	982	3,500	16,931	2,735	1,961
58 Yearling heifers.....	7,026	2,934	891	3,690	4,007	3,569	714
59 Calves.....	4,563	4,344	1,254	4,115	4,226	3,810	793
60 Yearling steers and bulls.....	6,908	1,295	433	1,273	3,433	846	598
61 Other steers and bulls.....	6,023	2,385	745	2,523	5,634	948	442
62 Value.....dollars.....	1,184,177	571,840	174,285	737,691	830,872	673,710	178,310
63 Horses:							
64 Total number.....	6,633	8,947	1,213	11,488	15,108	11,288	8,109
65 Mature horses.....	7,798	8,023	1,110	10,960	12,232	10,082	6,974
66 Yearling colts.....	1,376	723	82	1,070	2,124	935	803
67 Spring colts.....	459	201	12	358	752	271	332
68 Value.....dollars.....	523,050	1,000,550	115,682	1,353,785	1,028,818	1,383,380	642,071
69 Mules:							
70 Total number.....	467	135	19	150	660	157	610
71 Mature mules.....	374	130	19	148	459	140	412
72 Yearling colts.....	78	4	—	2	155	17	160
73 Spring colts.....	15	1	—	—	62	—	38
74 Value.....dollars.....	40,953	17,200	2,415	19,775	61,109	14,398	67,210
75 Asses and burros:							
76 Number.....	61	10	4	4	35	6	37
77 Value.....dollars.....	7,020	310	95	90	11,540	1,410	11,850
78 Swine:							
79 Total number.....	1,808	12,333	1,800	16,389	2,018	17,088	2,615
80 Mature hogs.....	1,261	7,951	1,202	9,773	1,309	11,172	1,052
81 Spring pigs.....	547	4,382	598	6,616	709	6,816	663
82 Value.....dollars.....	12,772	70,670	11,713	119,759	15,645	128,302	20,274
83 Sheep:							
84 Total number.....	160,026	30,382	4,518	47,777	360,477	29,310	200,057
85 Rams, ewes, and wethers.....	140,917	10,650	3,174	30,202	260,442	19,177	146,610
86 Spring lambs.....	19,109	10,726	1,344	17,575	100,035	10,133	62,438
87 Value.....dollars.....	804,373	107,597	22,130	200,938	1,719,232	114,564	843,770
88 Goats:							
89 Number.....	10	25,890	8,458	20,034	756	14,446	931
90 Value.....dollars.....	71	53,399	17,890	33,894	3,137	24,012	1,951
<b>POULTRY AND BEES</b>							
91 Number of poultry of all kinds.....	10,723	123,451	13,753	169,854	26,555	188,614	32,771
92 Value.....dollars.....	6,132	67,302	7,590	96,848	13,501	114,684	13,982
93 Number of colonies of bees.....	225	3,388	1,280	4,630	1,745	4,121	638
94 Value.....dollars.....	885	9,170	4,507	12,164	7,342	10,369	2,757

<sup>1</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

<sup>2</sup> Change of boundary. (See explanation at close of text.)

STATISTICS OF AGRICULTURE.

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Multnomah.	Polk. <sup>1</sup>	Sherman.	Tillamook.	Umatilla. <sup>1</sup>	Union. <sup>2</sup>	Wallowa.	Wasco. <sup>1, 2</sup>	Washington.	Wheeler.	Yamhill. <sup>1</sup>	Indian reservations.
1	226,261	13,460	4,242	6,266	20,309	16,191	8,364	10,336	21,522	2,484	18,285	.....
2	<i>103,167</i>	<i>9,923</i>	<i>3,477</i>	<i>4,471</i>	<i>18,049</i>	<i>16,070</i>	<i>6,538</i>	<i>13,199</i>	<i>14,407</i>	<i>2,445</i>	<i>15,420</i>	.....
3	1,478	1,557	466	651	2,005	1,309	1,058	1,331	2,871	387	2,218	.....
4	<i>1,276</i>	<i>1,192</i>	<i>545</i>	<i>631</i>	<i>1,693</i>	<i>1,481</i>	<i>803</i>	<i>1,361</i>	<i>2,302</i>	<i>390</i>	<i>1,695</i>	408
5	841	1,311	408	459	1,641	1,158	987	1,040	1,818	656	1,774	.....
6	570	234	58	192	317	147	71	233	1,040	31	427	.....
7	67	12	.....	.....	47	4	.....	58	7	.....	17	.....
8	45	3	1	7	5	5	7	15	11	.....	5	.....
9	327	77	.....	13	136	86	10	42	253	1	231	.....
10	294	126	1	25	168	88	4	34	315	1	217	.....
11	414	238	5	91	252	122	24	89	827	3	435	.....
12	193	262	11	144	131	121	51	88	693	11	413	.....
13	111	305	41	214	376	206	510	450	492	112	426	.....
14	35	178	11	73	111	144	83	101	143	30	218	.....
15	30	213	94	74	320	236	228	202	107	85	205	.....
16	24	80	184	8	205	143	102	155	25	73	57	.....
17	5	15	118	2	221	68	30	95	5	71	11	.....
18	288,040	453,760	535,040	720,000	2,030,720	1,335,680	2,012,800	1,490,520	467,840	1,090,560	456,960	.....
19	<i>86,262</i>	<i>260,367</i>	<i>372,520</i>	<i>94,493</i>	<i>1,050,568</i>	<i>305,769</i>	<i>354,732</i>	<i>643,754</i>	<i>240,328</i>	<i>418,576</i>	<i>274,200</i>	.....
20	<i>102,026</i>	<i>266,847</i>	<i>302,482</i>	<i>101,912</i>	<i>703,852</i>	<i>391,299</i>	<i>193,265</i>	<i>431,600</i>	<i>251,598</i>	<i>330,754</i>	<i>284,365</i>	220,806
21	30,011	137,162	273,918	30,460	544,513	165,490	80,049	171,051	107,919	53,304	130,463	.....
22	<i>54,196</i>	<i>127,072</i>	<i>193,235</i>	<i>26,940</i>	<i>332,763</i>	<i>162,495</i>	<i>55,151</i>	<i>115,059</i>	<i>92,512</i>	<i>85,059</i>	<i>134,832</i>	64,240
23	11,599	71,617	.....	42,490	73,371	77,365	73,260	60,392	60,620	86,093	77,234	.....
24	38,052	51,588	98,608	21,543	432,374	152,905	195,427	303,311	62,789	270,087	60,593	.....
25	20.0	57.4	60.6	13.1	51.7	20.6	17.6	36.3	51.4	38.1	60.0	.....
26	41.7	52.7	73.5	32.2	51.8	41.8	24.3	31.5	44.9	12.8	49.8	.....
27	53.4	107.2	790.4	145.2	623.8	302.3	335.3	408.5	83.7	1,073.8	123.7	.....
28	24.4	88.1	587.8	40.8	271.6	126.4	81.3	128.5	37.6	138.0	61.5	.....
29	23,227,688	17,602,029	11,400,534	7,721,789	36,876,434	16,990,077	11,319,248	15,660,186	28,816,033	5,875,825	23,410,123	.....
30	<i>3,422,225</i>	<i>6,777,753</i>	<i>3,691,040</i>	<i>2,093,762</i>	<i>12,884,927</i>	<i>6,587,607</i>	<i>2,775,569</i>	<i>5,103,542</i>	<i>7,112,422</i>	<i>2,087,743</i>	<i>3,218,547</i>	1,005,802
31	175.8	159.7	210.1	268.8	200.5	.....	307.0	.....	305.1	181.4	184.9	.....
32	10,720,164	14,080,988	9,364,425	6,224,273	32,831,582	13,254,702	7,105,040	12,066,213	23,340,581	3,700,554	10,030,008	.....
33	<i>6,642,490</i>	<i>4,077,240</i>	<i>2,458,750</i>	<i>1,339,680</i>	<i>9,301,370</i>	<i>5,824,100</i>	<i>1,283,305</i>	<i>3,019,650</i>	<i>4,093,820</i>	<i>593,696</i>	<i>6,089,550</i>	1,251,703
34	2,240,514	1,701,975	607,700	600,575	2,169,455	1,344,311	700,255	1,140,042	3,000,043	321,910	2,258,540	.....
35	<i>1,022,720</i>	<i>808,310</i>	<i>348,110</i>	<i>209,490</i>	<i>1,110,340</i>	<i>803,370</i>	<i>508,000</i>	<i>712,190</i>	<i>989,010</i>	<i>189,974</i>	<i>1,009,720</i>	33,936
36	333,136	433,502	357,246	140,178	1,110,878	458,926	338,406	483,492	658,776	137,227	404,112	.....
37	<i>200,000</i>	<i>260,220</i>	<i>253,020</i>	<i>70,640</i>	<i>552,320</i>	<i>367,930</i>	<i>121,160</i>	<i>243,420</i>	<i>223,010</i>	<i>60,090</i>	<i>513,670</i>	32,330
38	933,874	1,385,564	1,131,163	678,763	3,768,810	1,041,078	3,040,541	1,900,839	1,747,033	1,000,194	1,633,403	.....
39	<i>557,015</i>	<i>741,983</i>	<i>531,160</i>	<i>377,952</i>	<i>1,919,397</i>	<i>1,471,557</i>	<i>1,023,831</i>	<i>1,123,222</i>	<i>636,522</i>	<i>347,173</i>	<i>540,007</i>	237,864
40	84.9	80.0	81.7	80.6	82.3	78.0	63.3	77.0	81.0	64.5	81.3	.....
41	9.6	9.7	5.3	8.7	5.4	7.9	6.8	7.3	10.6	5.5	9.6	.....
42	1.4	2.5	3.1	1.9	2.8	2.7	3.0	3.1	2.3	2.3	2.1	.....
43	4.0	7.9	9.9	8.8	9.4	11.4	26.9	12.0	6.1	27.7	7.0	.....
44	15,716	11,305	24,593	11,861	19,888	12,986	10,669	11,772	10,037	15,183	10,557	.....
45	14,858	10,137	21,399	10,500	17,457	11,153	7,496	9,029	9,199	10,027	9,608	.....
46	228.61	54.03	25.14	65.87	31.26	33.49	20.20	22.10	97.10	9.12	60.39	.....
47	<i>04.54</i>	<i>10.33</i>	<i>8.13</i>	<i>13.15</i>	<i>13.22</i>	<i>15.04</i>	<i>6.04</i>	<i>7.00</i>	<i>10.85</i>	<i>3.54</i>	<i>21.06</i>	5.44
48	1,333	1,470	460	619	1,867	1,220	1,008	1,175	2,703	372	2,061	.....
49	892,923	1,331,005	1,117,785	668,041	3,709,498	1,913,058	3,036,084	1,043,207	1,658,337	1,610,407	1,562,696	.....
50	11,559	10,476	2,558	13,050	17,050	17,200	25,507	11,763	18,779	15,471	14,000	.....
51	7,777	5,931	953	8,481	4,661	4,081	3,426	2,385	12,078	1,277	7,751	.....
52	606	633	590	727	4,933	4,048	8,463	3,475	1,136	6,109	1,007	.....
53	1,182	1,378	300	1,492	2,126	2,900	2,156	1,364	2,393	1,767	1,914	.....
54	1,462	1,594	347	1,606	1,875	2,378	2,660	1,148	1,874	841	2,064	.....
55	119	375	108	241	1,044	1,631	2,887	941	331	1,550	390	.....
56	323	560	200	391	2,651	2,355	5,252	1,819	367	3,921	874	.....
57	390,032	303,412	77,903	450,449	460,150	440,338	680,950	301,603	509,938	412,053	402,837	.....
58	3,415	6,344	8,472	1,672	10,054	11,348	10,874	10,002	7,777	6,490	7,386	.....
59	3,240	5,593	1,437	1,437	16,433	9,287	8,834	8,557	7,190	5,300	6,470	.....
60	143	574	122	1,012	1,757	1,484	1,482	1,009	481	894	679	.....
61	32	177	630	13	804	577	558	376	100	302	231	.....
62	431,184	780,763	912,230	180,847	1,837,791	1,210,034	1,035,213	803,235	948,802	431,336	910,734	.....
63	32	37	355	15	2,195	180	369	490	132	155	80	.....
64	29	30	318	15	1,886	118	227	337	124	62	80	.....
65	3	5	30	.....	212	52	97	50	6	67	.....	
66	.....	2	.....	.....	97	10	45	13	2	26	.....	
67	4,350	4,865	52,530	1,870	325,805	20,595	34,125	53,870	18,810	11,105	13,770	.....
68	1	1	2	2	18	20	53	10	6	22	2	.....
69	1,000	25	600	300	8,815	7,805	8,305	15,900	595	3,700	620	.....
70	3,427	8,190	3,076	2,757	8,907	11,873	13,757	10,490	6,445	2,312	9,809	.....
71	2,356	5,262	2,227	1,616	6,366	7,045	9,310	6,766	3,416	1,573	5,822	.....
72	1,071	2,028	849	1,141	2,631	4,828	4,447	3,724	3,629	739	3,917	.....
73	38,203	65,058	26,333	23,257	70,633	90,487	124,901	74,563	50,821	18,577	68,907	.....
74	5,835	21,563	9,087	733	242,280	24,220	224,161	137,800	7,577	165,446	23,133	.....
75	4,097	14,517	6,771	494	169,596	17,305	170,533	82,538	4,790	110,897	15,086	.....
76	1,738	7,046	2,316	239	72,694	6,924	53,628	55,322	2,787	45,549	8,628	.....
77	27,323	116,228	47,984	3,178	1,006,571	115,487	1,143,315	631,361	30,430	742,101	120,941	.....
78	331	24,700	28	847	55	142	43	960	5,341	7	10,603	.....
79	782	51,654	145	2,145	253	712	215	2,745	8,851	35	30,487	.....
80	57,373	72,029	25,988	15,033	34,000	49,824	30,256	45,352	130,349	11,851	104,690	.....
81	38,018	47,937	13,218	8,114	42,124	26,618	13,357	24,132	81,496	4,133	64,587	.....
82	912	2,367	34	940	1,460	394	14	525	2,557	669	2,693	.....
83	2,933	6,622	160	2,008	7,197	1,492	100	2,410	7,200	2,589	6,180	.....

\*Includes animals, age or sex not specified.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Baker. <sup>1</sup>	Benton.	Clackamas.	Clatsop.	
<b>FARMS OPERATED BY OWNERS</b>						
1	Number of farms.....	37,796	1,121	879	3,106	303
2	Number of farms in 1900.....	<i>28,303</i>	<i>691</i>	<i>700</i>	<i>2,105</i>	<i>541</i>
3	Per cent of all farms.....	83.1	\$6.0	80.1	85.2	82.1
4	Per cent of all farms in 1900.....	<i>80.8</i>	<i>31.5</i>	<i>80.9</i>	<i>82.0</i>	<i>78.8</i>
5	Land in farms..... acres.....	9,036,370	258,624	182,002	247,911	42,021
6	Improved land in farms..... acres.....	3,001,350	113,445	64,757	84,457	8,859
7	Value of land and buildings..... dollars.....	335,780,072	9,942,001	7,997,470	22,014,744	1,732,060
<b>Degree of ownership:</b>						
8	Farms consisting of owned land only.....	32,082	1,008	732	2,747	298
9	Farms consisting of owned and hired land.....	4,814	113	147	359	5
<b>Color and nativity of owners:</b>						
10	Native white.....	20,215	905	733	2,028	84
11	Foreign-born white.....	8,103	122	140	1,075	219
12	Negro and other nonwhite.....	478	4		3	
<b>FARMS OPERATED BY TENANTS</b>						
13	Number of farms.....	6,850	171	208	483	61
14	Number of farms in 1900.....	<i>6,368</i>	<i>108</i>	<i>103</i>	<i>423</i>	<i>80</i>
15	Per cent of all farms.....	15.1	13.1	18.9	13.2	16.5
16	Per cent of all farms in 1900.....	<i>17.8</i>	<i>14.9</i>	<i>18.8</i>	<i>16.5</i>	<i>18.5</i>
17	Land in farms..... acres.....	1,882,733	36,422	50,678	46,603	9,310
18	Improved land in farms..... acres.....	1,000,641	23,104	25,568	10,874	3,011
19	Value of land and buildings..... dollars.....	91,064,644	2,008,140	2,341,244	4,253,360	445,050
<b>Form of tenancy:</b>						
20	Share tenants.....	2,027	68	91	126	3
21	Share-cash tenants.....	245	6	17	23	
22	Cash tenants.....	3,037	73	73	255	36
23	Tenure not specified.....	650	24	27	79	22
<b>Color and nativity of tenants:</b>						
24	Native white.....	5,883	166	104	384	37
25	Foreign-born white.....	835	15	14	87	22
26	Negro and other nonwhite.....	141			12	2
<b>FARMS OPERATED BY MANAGERS</b>						
27	Number of farms.....	847	12	11	57	5
28	Number of farms in 1900.....	<i>608</i>	<i>20</i>	<i>9</i>	<i>40</i>	<i>12</i>
29	Land in farms..... acres.....	760,007	2,649	2,834	6,495	2,890
30	Improved land in farms..... acres.....	212,812	1,210	1,338	2,240	860
31	Value of land and buildings..... dollars.....	28,725,093	129,390	105,000	701,300	120,500
<b>MORTGAGE DEBT REPORTS <sup>1</sup></b>						
<b>For all farms operated by owners:</b>						
32	Number free from mortgage debt.....	24,855	601	559	2,030	208
33	Number with mortgage debt.....	12,632	417	311	1,061	94
34	Number with no mortgage report.....	309	13	9	9	1
<b>For farms consisting of owned land only:</b>						
35	Number reporting debt and amount.....	10,274	348	245	871	89
36	Value of their land and buildings..... dollars.....	93,525,449	3,145,745	1,793,905	5,207,140	531,410
37	Amount of mortgage debt..... dollars.....	21,105,627	800,275	400,043	1,290,555	151,625
38	Per cent of value of land and buildings.....	22.6	25.4	22.3	24.4	28.5

<sup>1</sup> Change of boundary. (See explanation at close of text.)

<sup>2</sup> Indian reservation included as a farm in 1900. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

<b>LIVE STOCK PRODUCTS</b>							
<b>Dairy Products</b>							
1	Dairy cows on farms reporting dairy products.....	number	151,371	3,815	4,415	10,327	2,784
2	Dairy cows on farms reporting milk produced.....	number	134,424	2,923	3,635	8,091	1,860
3	Milk—Produced.....	gallons	56,106,599	945,003	1,326,772	3,742,461	575,940
4	Sold.....	gallons	14,640,108	30,271	90,500	208,954	331,205
5	Cream sold.....	gallons	827,541	22,030	7,657	60,921	40,608
6	Butter fat sold.....	pounds	5,211,133	141,538	283,920	482,402	50,928
7	Butter—Produced.....	pounds	5,667,964	140,649	110,628	466,623	77,647
8	Sold.....	pounds	2,446,158	63,279	36,279	160,300	52,380
9	Cheese—Produced.....	pounds	169,205	160	660	1,149	6,220
10	Sold.....	pounds	154,328		120	1,887	6,120
11	Value of dairy products, excluding home use of milk and cream.....	dollars	6,067,024	103,614	148,841	371,883	131,991
12	Receipts from sale of dairy products.....	dollars	5,170,703	83,308	125,104	289,394	125,886
<b>Poultry Products</b>							
13	Poultry—Raised.....	number	2,309,350	61,500	74,869	200,015	15,658
14	Sold.....	number	957,644	22,042	36,440	96,125	6,005
15	Eggs—Produced.....	dozens	10,555,840	227,687	306,308	939,776	120,731
16	Sold.....	dozens	6,233,626	98,774	213,453	612,381	86,976
17	Value of poultry and eggs produced.....	dollars	3,814,285	85,262	126,223	350,808	38,543
18	Receipts from sale of poultry and eggs.....	dollars	2,116,392	37,092	77,856	209,449	25,686
<b>Honey and Wax</b>							
19	Honey produced.....	pounds	839,061	103,468	22,411	40,133	8,713
20	Wax produced.....	pounds	8,383	1,311	40	688	40
21	Value of honey and wax produced.....	dollars	94,510	9,246	2,649	5,166	912
<b>Wool, Mohair, and Goat Hair</b>							
22	Wool, fleeces shorn.....	number	1,860,374	120,950	26,276	10,019	836
23	Mohair and goat hair, fleeces shorn.....	number	141,583	10	12,369	8,340	69
24	Value of wool and mohair produced.....	dollars	3,434,400	227,415	69,317	25,912	1,371
<b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b>							
25	Calves—Sold or slaughtered.....	number	71,220	2,162	3,010	5,376	1,361
26	Other cattle—Sold or slaughtered.....	number	274,025	27,315	4,777	4,280	817
27	Horses, mules, and asses and burros—Sold.....	number	23,211	852	435	692	25
28	Swine—Sold or slaughtered.....	number	232,306	9,551	8,087	16,385	934
29	Sheep and goats—Sold or slaughtered.....	number	1,047,960	77,442	82,026	8,341	261
30	Receipts from sale of animals.....	dollars	14,972,615	1,263,574	446,503	245,722	16,593
31	Value of animals slaughtered.....	dollars	2,461,159	86,735	67,823	213,893	26,319

# STATISTICS OF AGRICULTURE.

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## AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Columbia.	Coos.	Crook.*	Curry.	Douglas.	Gilliam.	Grant.	Harney.	Hood River.	Jackson.	Josephine.	Klamath.*
1	713	913	1,207	254	1,806	324	707	401	629	1,442	737	822
2	<i>713</i>	<i>670</i>	<i>493</i>	<i>240</i>	<i>1,807</i>	<i>300</i>	<i>610</i>	<i>317</i>	(1)	<i>1,047</i>	<i>477</i>	<i>531</i>
3	87.7	80.9	93.5	87.0	85.0	75.0	91.5	90.5	84.5	84.1	89.2	88.8
4	<i>89.0</i>	<i>78.7</i>	<i>85.6</i>	<i>85.9</i>	<i>77.2</i>	<i>80.3</i>	<i>88.3</i>	<i>91.1</i>	(1)	<i>77.3</i>	<i>85.6</i>	<i>84.1</i>
5	74,045	156,989	487,230	88,825	434,208	200,330	415,254	388,200	30,417	218,568	99,818	349,334
6	<i>13,283</i>	<i>24,204</i>	<i>122,135</i>	<i>18,359</i>	<i>88,747</i>	<i>144,821</i>	<i>47,094</i>	<i>141,616</i>	<i>10,870</i>	<i>71,074</i>	<i>24,893</i>	<i>138,555</i>
7	<i>3,315,330</i>	<i>5,546,919</i>	<i>9,387,415</i>	<i>1,564,065</i>	<i>13,113,220</i>	<i>5,085,075</i>	<i>4,475,019</i>	<i>4,844,850</i>	<i>11,208,640</i>	<i>10,321,370</i>	<i>4,515,000</i>	<i>7,487,086</i>
8	661	843	1,081	221	1,625	258	621	341	600	1,302	674	739
9	<i>52</i>	<i>70</i>	<i>186</i>	<i>33</i>	<i>181</i>	<i>00</i>	<i>86</i>	<i>00</i>	<i>23</i>	<i>80</i>	<i>63</i>	<i>83</i>
10	308	714	1,024	102	1,532	275	601	344	533	1,270	645	550
11	<i>315</i>	<i>103</i>	<i>159</i>	<i>50</i>	<i>253</i>	<i>40</i>	<i>105</i>	<i>57</i>	<i>91</i>	<i>159</i>	<i>80</i>	<i>108</i>
12	.....	6	84	12	21	.....	1	.....	5	4	.....	164
13	87	202	74	32	278	88	59	30	40	159	78	90
14	<i>70</i>	<i>178</i>	<i>69</i>	<i>33</i>	<i>300</i>	<i>48</i>	<i>64</i>	<i>17</i>	(1)	<i>289</i>	<i>75</i>	<i>65</i>
15	10.7	17.9	5.5	11.0	13.1	20.4	7.6	6.8	5.4	9.3	9.1	9.7
16	<i>9.9</i>	<i>20.6</i>	<i>12.0</i>	<i>11.4</i>	<i>21.0</i>	<i>0.5</i>	<i>0.3</i>	<i>4.9</i>	(1)	<i>21.1</i>	<i>15.5</i>	<i>14.5</i>
17	13,634	40,371	35,506	10,008	100,603	107,181	20,157	35,868	1,520	40,200	11,131	58,277
18	<i>2,094</i>	<i>10,406</i>	<i>11,460</i>	<i>3,316</i>	<i>22,055</i>	<i>66,625</i>	<i>4,361</i>	<i>28,650</i>	<i>881</i>	<i>14,505</i>	<i>3,468</i>	<i>30,064</i>
19	<i>566,790</i>	<i>1,976,635</i>	<i>718,785</i>	<i>370,050</i>	<i>2,627,971</i>	<i>2,336,420</i>	<i>420,175</i>	<i>340,250</i>	<i>800,000</i>	<i>3,541,440</i>	<i>530,450</i>	<i>1,242,015</i>
20	7	18	36	4	90	73	20	11	18	57	23	47
21	<i>1</i>	<i>4</i>	<i>1</i>	<i>1</i>	<i>4</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>5</i>	<i>2</i>	<i>1</i>
22	57	175	26	27	164	8	36	15	4	77	40	38
23	<i>22</i>	<i>5</i>	<i>11</i>	<i>1</i>	<i>20</i>	<i>0</i>	<i>2</i>	<i>4</i>	<i>18</i>	<i>20</i>	<i>13</i>	<i>4</i>
24	61	109	68	31	206	81	52	30	35	144	73	84
25	<i>26</i>	<i>33</i>	<i>3</i>	<i>1</i>	<i>11</i>	<i>7</i>	<i>7</i>	<i>2</i>	<i>3</i>	<i>13</i>	<i>5</i>	<i>6</i>
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	13	13	14	6	40	20	7	12	75	113	40	14
28	<i>9</i>	<i>6</i>	<i>14</i>	<i>8</i>	<i>14</i>	<i>3</i>	<i>14</i>	<i>14</i>	(1)	<i>27</i>	<i>5</i>	<i>7</i>
29	3,693	4,742	48,774	1,039	36,407	36,796	3,750	138,070	6,112	38,403	10,890	40,220
30	<i>735</i>	<i>801</i>	<i>4,750</i>	<i>1,241</i>	<i>6,313</i>	<i>24,220</i>	<i>1,600</i>	<i>29,005</i>	<i>2,533</i>	<i>17,059</i>	<i>2,038</i>	<i>7,045</i>
31	<i>190,200</i>	<i>189,270</i>	<i>618,060</i>	<i>30,355</i>	<i>1,240,640</i>	<i>630,350</i>	<i>88,500</i>	<i>2,247,850</i>	<i>1,820,060</i>	<i>5,983,895</i>	<i>600,900</i>	<i>1,128,185</i>
32	546	663	982	195	1,201	152	406	281	240	974	405	556
33	<i>167</i>	<i>241</i>	<i>284</i>	<i>57</i>	<i>535</i>	<i>171</i>	<i>210</i>	<i>107</i>	<i>379</i>	<i>400</i>	<i>239</i>	<i>251</i>
34	.....	9	1	2	10	.....	1	13	1	8	3	15
35	147	210	222	46	462	128	150	87	353	420	205	194
36	<i>672,730</i>	<i>1,394,965</i>	<i>1,918,010</i>	<i>412,470</i>	<i>3,547,645</i>	<i>2,300,785</i>	<i>1,135,630</i>	<i>1,052,060</i>	<i>6,181,400</i>	<i>6,130,245</i>	<i>1,342,410</i>	<i>1,908,000</i>
37	<i>155,432</i>	<i>286,150</i>	<i>302,674</i>	<i>83,130</i>	<i>737,605</i>	<i>540,518</i>	<i>247,437</i>	<i>210,175</i>	<i>1,258,425</i>	<i>1,369,563</i>	<i>269,310</i>	<i>517,261</i>
38	<i>23.1</i>	<i>20.5</i>	<i>18.9</i>	<i>20.2</i>	<i>20.8</i>	<i>22.6</i>	<i>21.8</i>	<i>20.0</i>	<i>20.4</i>	<i>22.3</i>	<i>20.1</i>	<i>27.1</i>

\* Agricultural data for Indians on reservations in 1900 shown separately in last column of table.  
 \* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

## SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

1	4,174	7,322	2,317	1,703	5,970	635	2,413	1,304	603	3,198	1,818	2,676
2	3,935	5,862	2,070	1,377	5,524	601	2,309	1,083	672	2,473	1,702	2,577
3	1,585,736	2,092,824	664,427	622,607	1,060,154	158,910	477,234	183,953	203,600	1,079,126	545,442	736,488
4	<i>347,258</i>	<i>1,041,335</i>	<i>10,510</i>	<i>1,050</i>	<i>98,415</i>	<i>1,061</i>	<i>14,321</i>	<i>2,730</i>	<i>72,100</i>	<i>140,860</i>	<i>38,519</i>	<i>57,568</i>
5	<i>78,063</i>	<i>37,402</i>	<i>2,831</i>	<i>11,175</i>	<i>180,477</i>	<i>11,175</i>	<i>1,211</i>	<i>1,515</i>	<i>41,202</i>	<i>9,705</i>	<i>8,467</i>	<i>31,848</i>
6	<i>104,853</i>	<i>520,125</i>	<i>18,974</i>	<i>45,608</i>	<i>180,477</i>	<i>180,477</i>	<i>1,211</i>	<i>1,515</i>	<i>41,202</i>	<i>9,705</i>	<i>8,467</i>	<i>31,848</i>
7	94,249	237,050	140,321	186,752	271,538	20,422	86,783	37,661	62,827	171,041	93,867	121,107
8	<i>26,733</i>	<i>152,569</i>	<i>62,301</i>	<i>165,003</i>	<i>106,275</i>	<i>6,424</i>	<i>34,391</i>	<i>16,019</i>	<i>10,603</i>	<i>79,797</i>	<i>32,220</i>	<i>61,652</i>
9	<i>366</i>	<i>124,586</i>	<i>040</i>	<i>.....</i>	<i>000</i>	<i>150</i>	<i>300</i>	<i>225</i>	<i>.....</i>	<i>750</i>	<i>940</i>	<i>800</i>
10	<i>250</i>	<i>124,086</i>	<i>240</i>	<i>.....</i>	<i>.....</i>	<i>100</i>	<i>.....</i>	<i>175</i>	<i>.....</i>	<i>600</i>	<i>.....</i>	<i>800</i>
11	169,353	378,992	51,850	63,787	146,051	9,370	20,768	13,920	37,671	140,448	58,887	62,164
12	<i>149,745</i>	<i>353,071</i>	<i>26,187</i>	<i>57,703</i>	<i>104,876</i>	<i>2,166</i>	<i>14,646</i>	<i>6,405</i>	<i>23,778</i>	<i>116,549</i>	<i>40,753</i>	<i>46,032</i>
13	27,574	41,001	37,141	6,641	130,607	20,514	20,347	14,038	21,247	70,230	20,852	35,790
14	<i>10,459</i>	<i>19,168</i>	<i>8,140</i>	<i>1,463</i>	<i>65,907</i>	<i>0,817</i>	<i>5,830</i>	<i>1,676</i>	<i>5,970</i>	<i>20,325</i>	<i>8,785</i>	<i>9,370</i>
15	<i>150,522</i>	<i>244,204</i>	<i>150,911</i>	<i>33,105</i>	<i>506,427</i>	<i>96,219</i>	<i>113,289</i>	<i>42,974</i>	<i>98,827</i>	<i>303,858</i>	<i>140,338</i>	<i>128,395</i>
16	<i>79,132</i>	<i>134,367</i>	<i>49,332</i>	<i>5,058</i>	<i>291,296</i>	<i>23,472</i>	<i>25,496</i>	<i>9,768</i>	<i>36,533</i>	<i>170,738</i>	<i>71,233</i>	<i>56,828</i>
17	<i>83,203</i>	<i>85,853</i>	<i>10,669</i>	<i>222,976</i>	<i>34,957</i>	<i>38,240</i>	<i>20,671</i>	<i>41,238</i>	<i>110,704</i>	<i>40,285</i>	<i>53,010</i>	<i>53,010</i>
18	<i>25,835</i>	<i>40,626</i>	<i>15,015</i>	<i>2,200</i>	<i>137,601</i>	<i>8,904</i>	<i>0,079</i>	<i>3,938</i>	<i>14,120</i>	<i>59,894</i>	<i>22,769</i>	<i>20,817</i>
19	10,336	24,251	9,099	5,046	39,415	1,728	9,538	900	1,668	23,004	5,675	20,905
20	<i>243</i>	<i>120</i>	<i>10</i>	<i>2</i>	<i>110</i>	<i>5</i>	<i>31</i>	<i>14</i>	<i>177</i>	<i>177</i>	<i>135</i>	<i>135</i>
21	<i>1,324</i>	<i>2,993</i>	<i>1,878</i>	<i>564</i>	<i>4,070</i>	<i>281</i>	<i>1,130</i>	<i>100</i>	<i>282</i>	<i>2,504</i>	<i>806</i>	<i>2,611</i>
22	923	0,864	106,744	26,375	73,136	65,686	141,207	96,399	100	12,698	467	8,762
23	<i>104</i>	<i>618</i>	<i>7</i>	<i>861</i>	<i>21,449</i>	<i>1</i>	<i>66</i>	<i>.....</i>	<i>2,362</i>	<i>543</i>	<i>65</i>	<i>65</i>
24	<i>1,406</i>	<i>11,320</i>	<i>205,233</i>	<i>36,796</i>	<i>107,828</i>	<i>116,039</i>	<i>272,123</i>	<i>126,371</i>	<i>250</i>	<i>24,076</i>	<i>900</i>	<i>15,568</i>
25	1,602	2,173	696	304	2,326	425	527	1,080	100	867	773	534
26	<i>1,445</i>	<i>5,085</i>	<i>18,315</i>	<i>1,851</i>	<i>8,563</i>	<i>4,459</i>	<i>15,839</i>	<i>26,574</i>	<i>490</i>	<i>7,398</i>	<i>3,186</i>	<i>11,021</i>
27	<i>80</i>	<i>164</i>	<i>1,472</i>	<i>42</i>	<i>505</i>	<i>561</i>	<i>890</i>	<i>1,136</i>	<i>51</i>	<i>373</i>	<i>114</i>	<i>1,211</i>
28	<i>1,933</i>	<i>5,390</i>	<i>5,518</i>	<i>1,338</i>	<i>9,898</i>	<i>2,574</i>	<i>3,025</i>	<i>970</i>	<i>406</i>	<i>6,233</i>	<i>2,507</i>	<i>2,602</i>
29	<i>1,832</i>	<i>3,334</i>	<i>51,113</i>	<i>6,320</i>	<i>31,268</i>	<i>33,336</i>	<i>77,135</i>	<i>22,800</i>	<i>150</i>	<i>7,160</i>	<i>643</i>	<i>11,203</i>
30	41,261	168,513	931,416	67,336	406,601	310,683	774,651	877,775	18,120	267,880	67,255	487,710
31	<i>44,400</i>	<i>68,817</i>	<i>67,470</i>	<i>14,136</i>	<i>101,459</i>	<i>23,201</i>	<i>61,265</i>	<i>37,531</i>	<i>11,261</i>	<i>53,450</i>	<i>47,021</i>	<i>47,078</i>



SUPPLEMENT FOR OREGON.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS CLASSIFIED BY TENURE; COLOR

[Comparative data for June 1, 1900, in italics.]

	Lake. <sup>1</sup>	Lane.	Lincoln. <sup>1</sup>	Linn.	Malheur.	Marion.	Morrow.	
<b>FARMS OPERATED BY OWNERS</b>								
1	Number of farms.....	657	2,350	884	2,154	688	2,810	503
2	Number of farms in 1900.....	<i>329</i>	<i>1,968</i>	<i>440</i>	<i>1,788</i>	<i>606</i>	<i>2,097</i>	<i>526</i>
3	Per cent of all farms.....	92.3	83.2	92.0	78.3	85.9	80.8	81.9
4	Per cent of all farms in 1900.....	<i>82.9</i>	<i>82.8</i>	<i>90.0</i>	<i>73.8</i>	<i>80.8</i>	<i>76.1</i>	<i>89.8</i>
5	Land in farms..... acres.....	285,057	387,931	145,023	340,776	172,182	298,244	537,361
6	Improved land in farms..... acres.....	74,705	117,817	13,208	167,777	63,142	155,391	182,182
7	Value of land and buildings..... dollars.....	4,540,892	16,085,815	3,246,465	17,838,715	6,803,029	24,831,504	7,003,295
<b>Degree of ownership:</b>								
8	Farms consisting of owned land only.....	612	2,021	840	1,794	654	2,389	393
9	Farms consisting of owned and hired land.....	45	329	44	360	34	430	110
<b>Color and nativity of owners:</b>								
10	Native white.....	504	1,941	642	1,807	572	2,019	433
11	Foreign-born white.....	92	406	213	347	114	793	70
12	Negro and other nonwhite.....	1	3	29	.....	2	7	.....
<b>FARMS OPERATED BY TENANTS</b>								
13	Number of farms.....	46	440	76	583	87	623	96
14	Number of farms in 1900.....	<i>47</i>	<i>388</i>	<i>48</i>	<i>617</i>	<i>68</i>	<i>698</i>	<i>64</i>
15	Per cent of all farms.....	6.5	15.8	7.9	21.2	10.9	17.9	15.6
16	Per cent of all farms in 1900.....	<i>11.8</i>	<i>16.4</i>	<i>9.8</i>	<i>25.6</i>	<i>8.9</i>	<i>21.7</i>	<i>9.2</i>
17	Land in farms..... acres.....	21,058	87,105	12,099	107,569	18,444	84,489	90,656
18	Improved land in farms..... acres.....	7,419	30,488	1,990	65,520	8,684	48,958	38,036
19	Value of land and buildings..... dollars.....	559,555	3,881,755	318,700	5,082,972	1,203,430	6,680,900	1,470,270
<b>Form of tenancy:</b>								
20	Share tenants.....	15	194	11	299	31	387	57
21	Share-cash tenants.....	3	14	1	41	1	24	1
22	Cash tenants.....	27	197	52	220	18	186	29
23	Tenure not specified.....	1	41	12	23	37	26	9
<b>Color and nativity of tenants:</b>								
24	Native white.....	42	409	57	547	69	528	80
25	Foreign-born white.....	4	37	12	35	17	63	16
26	Negro and other nonwhite.....	.....	.....	7	1	1	32	.....
<b>FARMS OPERATED BY MANAGERS</b>								
27	Number of farms.....	0	30	1	14	20	48	15
28	Number of farms in 1900.....	<i>21</i>	<i>19</i>	<i>1</i>	<i>17</i>	<i>25</i>	<i>59</i>	<i>6</i>
29	Land in farms..... acres.....	94,840	10,239	560	4,992	39,549	11,682	36,980
30	Improved land in farms..... acres.....	22,295	4,822	40	2,736	10,076	6,738	15,211
31	Value of land and buildings..... dollars.....	1,185,800	1,453,455	15,000	205,090	708,500	1,388,545	408,180
<b>MORTGAGE DEBT REPORTS <sup>2</sup></b>								
<b>For all farms operated by owners:</b>								
32	Number free from mortgage debt.....	581	1,027	742	1,390	430	1,832	279
33	Number with mortgage debt.....	76	714	138	723	255	977	216
34	Number with no mortgage report.....	.....	0	4	41	3	10	8
<b>For farms consisting of owned land only:</b>								
35	Number reporting debt and amount.....	61	562	126	509	232	787	160
36	Value of their land and buildings..... dollars.....	713,220	3,470,047	589,165	4,330,689	2,920,070	5,522,070	2,503,100
37	Amount of mortgage debt..... dollars.....	180,300	773,813	128,636	1,036,937	602,376	1,260,273	623,318
38	Per cent of value of land and buildings.....	25.3	22.2	21.8	23.9	20.6	22.8	24.9

<sup>1</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

<sup>2</sup> Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

<b>LIVE STOCK PRODUCTS</b>								
<b>Dairy Products</b>								
1	Dairy cows on farms reporting dairy products..... number.....	1,544	9,002	2,097	12,929	1,723	11,581	1,077
2	Dairy cows on farms reporting milk produced..... number.....	1,533	8,625	2,020	11,238	1,570	11,100	984
3	Milk—Produced..... gallons.....	461,493	3,180,355	955,022	4,107,065	385,498	4,718,503	341,950
4	Sold..... gallons.....	6,869	167,857	17,471	214,324	7,997	191,588	16,363
5	Cream sold..... gallons.....	231	19,503	22,167	94,343	2,520	99,568	3,734
6	Butter fat sold..... pounds.....	.....	377,115	93,048	725,719	5,631	600,036	69,137
7	Butter—Produced..... pounds.....	80,722	418,084	78,579	274,332	77,323	438,242	53,699
8	Sold..... pounds.....	38,653	170,255	22,034	64,177	38,470	157,477	22,428
9	Cheese—Produced..... pounds.....	.....	3,200	845	925	.....	1,075	.....
10	Sold..... pounds.....	.....	3,030	450	530	.....	100	.....
11	Value of dairy products, excluding home use of milk and cream..... dollars.....	20,257	274,118	72,403	401,436	26,055	426,124	27,800
12	Receipts from sale of dairy products..... dollars.....	14,267	205,147	57,202	342,716	16,399	351,179	18,472
<b>Poultry Products</b>								
13	Poultry—Raised..... number.....	11,020	155,548	14,111	192,686	38,170	204,868	35,012
14	Sold..... number.....	3,781	65,232	7,438	99,091	9,784	92,212	9,219
15	Eggs—Produced..... dozens.....	55,065	727,664	77,700	1,013,203	141,632	1,047,481	137,327
16	Sold..... dozens.....	14,562	454,803	35,650	761,169	47,909	710,611	71,835
17	Value of poultry and eggs produced..... dollars.....	21,794	246,018	25,218	344,645	51,525	367,486	49,682
18	Receipts from sale of poultry and eggs..... dollars.....	6,356	143,208	11,696	245,278	17,210	224,835	20,335
<b>Honey and Wax</b>								
19	Honey produced..... pounds.....	4,307	52,931	21,696	65,580	112,032	46,878	7,692
20	Wax produced..... pounds.....	.....	262	137	163	1,243	268	2
21	Value of honey and wax produced..... dollars.....	557	6,337	3,184	7,578	8,676	5,420	861
<b>Wool, Mohair, and Goat Hair</b>								
22	Wool, fleeces shorn..... number.....	124,468	20,930	2,092	29,122	231,769	18,827	124,248
23	Mohair and goat hair, fleeces shorn..... number.....	4	10,070	7,062	15,799	.....	10,888	7
24	Value of wool and mohair produced..... dollars.....	204,420	50,684	11,599	63,826	384,188	43,745	250,987
<b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b>								
25	Calves—Sold or slaughtered..... number.....	1,990	4,245	690	6,804	2,283	5,068	366
26	Other cattle—Sold or slaughtered..... number.....	27,227	10,654	1,262	10,123	18,702	5,415	3,175
27	Horses, mules, and asses and burros—Sold..... number.....	918	609	54	1,165	1,720	909	413
28	Swine—Sold or slaughtered..... number.....	1,150	14,701	1,277	21,957	1,981	18,210	2,392
29	Sheep and goats—Sold or slaughtered..... number.....	31,778	20,667	1,898	26,895	50,220	18,369	78,680
30	Receipts from sale of animals..... dollars.....	860,575	429,267	32,320	706,442	809,819	421,522	424,082
31	Value of animals slaughtered..... dollars.....	32,982	159,786	25,034	165,682	29,996	192,480	26,251

STATISTICS OF AGRICULTURE.

AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in Italics.]

	Multnomah.	Polk. <sup>1</sup>	Sherman.	Tillamook.	Umatilla. <sup>1</sup>	Union. <sup>2</sup>	Wallowa.	Wasco. <sup>1, 2</sup>	Washington.	Wheeler.	Yamhill. <sup>1</sup>	Indian reservations.
1	1,063	1,193	275	538	1,583	1,089	928	1,122	2,406	348	1,772	
2	355	342	464	536	1,305	1,221	700	1,164	1,845	558	1,253	410
3	71.9	76.6	50.0	82.0	79.0	83.2	87.7	84.3	83.8	89.0	79.9	
4	65.4	70.0	35.3	92.7	81.8	82.4	87.2	85.4	80.1	91.8	77.5	88.0
5	48,845	182,961	225,561	73,462	793,647	326,756	311,328	429,941	178,358	337,340	188,070	
6	21,342	92,491	150,448	22,680	347,209	123,039	60,552	120,324	78,501	44,088	90,589	
7	11,111,208	11,151,673	5,931,290	5,032,398	24,522,142	11,236,580	6,329,526	10,203,525	19,348,553	3,448,504	14,877,658	
8	990	990	146	474	1,322	915	820	950	2,099	280	1,458	
9	67	203	129	64	261	174	102	106	307	08	314	
10	601	981	229	373	1,298	955	859	804	1,471	319	1,387	
11	453	202	40	165	272	132	69	205	934	29	371	
12	9	10			43	2		53	1		14	
13	385	335	187	107	402	202	118	174	427	32	393	
14	420	359	89	41	251	246	98	174	442	29	348	44
15	26.0	21.5	40.1	16.4	20.0	15.4	11.2	13.1	14.9	8.3	17.7	
16	32.9	28.4	16.3	6.5	16.8	16.5	12.2	12.9	19.2	7.4	21.8	9.4
17	31,821	71,083	142,851	20,344	237,376	63,750	37,814	69,711	54,052	17,644	60,148	
18	11,865	40,813	110,180	7,431	188,304	39,637	17,375	35,820	25,652	6,608	37,010	
19	0,248,070	4,083,450	3,982,375	1,769,950	9,878,195	3,077,745	1,389,475	2,002,076	6,100,371	169,080	4,856,000	
20	33	165	181	32	259	116	69	107	105	15	150	
21	1	12	1	6	12	7	2	6		22	25	
22	330	102	3	65	126	74	45	31	253	13	162	
23	21	50	2	4	5	5	2	30	47	4	47	
24	219	304	176	82	353	188	118	151	310	31	348	
25	169	29	11	25	45	12		20	105	1	42	
26	57	20			4	2		3	6		3	
27	30	29	4	6	20	18	12	35	38	7	53	
28	21	11	2	5	59	15	5	29	17	3	14	8
29	5,590	6,323	4,114	687	19,235	5,293	5,590	44,102	7,018	60,566	17,033	
30	2,804	3,558	1,290	343	8,940	2,823	2,122	8,907	3,760	2,160	8,864	
31	1,000,800	547,840	58,460	61,500	600,700	284,748	212,800	1,009,000	806,300	404,280	1,534,800	
32	690	738	93	299	937	648	644	677	1,577	187	1,140	
33	346	449	176	237	622	487	275	411	820	156	620	
34	27	6	0	2	24	4	0	34	9	5	12	
35	293	78	78	205	484	347	229	307	686	114	480	
36	2,541,475	3,037,181	1,570,245	2,302,193	7,059,961	3,361,915	2,400,350	2,010,810	4,045,259	1,140,574	3,583,310	
37	523,344	664,881	375,800	574,120	1,584,104	753,209	530,246	675,255	1,094,075	288,051	800,016	
38	20.6	21.9	23.9	24.0	22.5	22.4	21.9	23.2	23.6	25.3	22.5	

\* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1900—Continued.

1	7,290	5,071	814	7,728	3,911	4,264	2,568	2,024	11,000	1,100	7,220	
2	6,858	3,754	790	7,166	3,310	4,021	2,252	1,923	11,024	1,181	6,663	
3	4,270,626	1,618,531	280,197	4,446,206	1,588,521	1,697,818	608,743	778,945	5,575,800	263,994	2,873,173	
4	2,786,628	103,348	6,748	3,245,351	155,390	97,820	69,445	77,240	4,000,313	3,557	929,968	
5	73,360	17,885	300	14,449	45,749	14,449	5,670	2,567	60,012	1,880	43,676	
6	102,922	348,529		335,239	114,595	130,174	47,258		121,771	2,340	205,738	
7	162,374	190,735	62,012	90,544	289,290	224,456	100,123	149,307	278,262	44,409	299,127	
8	92,435	94,028	22,882	57,662	144,325	78,120	22,828	60,147	135,060	8,290	135,684	
9	433	1,600		9,456		1,670	436	50	9,235		150	
10	200	1,600		8,776		1,000	230		3,974			
11	732,242	203,185	23,600	480,077	164,313	157,814	47,575	62,697	605,620	16,717	300,180	
12	711,547	170,091	10,588	475,401	125,219	117,590	30,082	39,658	652,686	5,959	256,142	
13	74,861	87,204	41,909	15,857	128,263	71,007	38,685	68,130	151,091	16,574	138,706	
14	44,115	41,550	11,399	3,885	36,650	22,449	8,264	25,698	73,188	1,792	67,290	
15	343,722	418,956	132,187	94,707	502,448	232,181	131,926	256,355	864,531	66,495	648,649	
16	200,877	286,843	60,600	30,518	233,602	163,935	30,213	121,470	506,975	6,767	453,194	
17	139,189	153,246	51,873	31,206	170,757	95,446	41,363	90,900	298,084	19,817	235,860	
18	79,634	97,573	21,111	11,540	75,102	44,692	12,504	38,091	193,111	2,440	163,627	
19	8,197	44,467	260	17,045	34,977	4,682	372	7,067	40,335	8,020	36,604	
20	10	2,144		406	268	20		347			46	
21	1,181	5,083	47	2,488	3,634	731	89	872	4,960	1,180	4,224	
22	4,479	18,087	507	666	146,928	13,560	164,478	119,342	5,626	106,885	18,012	
23	104	21,290		389	7	5	15	822	3,994		15,248	
24	8,062	53,842	1,016	1,444	240,296	22,271	306,278	263,754	13,861	219,841	52,371	
25	4,536	2,403	166	3,329	1,169	1,503	802	694	6,486	533	3,838	
26	3,244	3,194	1,001	1,783	7,706	5,485	11,294	5,334	4,930	6,601	4,556	
27	164	526	805	130	1,474	1,058	1,758	765	638	803	699	
28	7,752	9,508	3,742	2,525	9,445	12,067	13,330	10,418	8,557	2,480	13,139	
29	765	20,349	280	418	163,408	8,867	83,094	45,777	5,185	87,388	29,143	
30	201,272	294,100	149,438	64,070	1,065,216	457,451	1,003,500	447,198	242,142	512,492	451,050	
31	113,562	92,346	32,739	31,140	165,570	69,887	39,497	56,002	168,824	31,304	124,438	

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

		THE STATE.	Baker.	Benton.	Clackamas.	Clatsop.	Columbia.
<b>VALUE OF ALL CROPS</b>							
1	Total.....	dollars.. 49,040,725	1,783,500	1,082,198	2,714,261	301,602	449,542
2	Cereals.....	dollars.. 17,860,136	685,448	428,021	686,602	14,318	35,610
3	Other grains and seeds.....	dollars.. 411,181	1,570	16,599	22,515	84	57
4	Hay and forage.....	dollars.. 15,225,957	658,069	283,720	658,411	104,303	174,879
5	Vegetables.....	dollars.. 4,548,523	122,386	103,314	514,970	38,037	81,041
6	Fruits and nuts.....	dollars.. 4,063,399	83,823	84,809	321,003	18,763	46,226
7	All other crops.....	dollars.. 6,901,520	32,208	165,735	510,751	125,957	111,820
<b>SELECTED CROPS (acres and quantity)</b>							
8	<b>Cereals:</b>						
9	Total.....	acres.. 1,242,300	24,978	31,184	35,270	681	1,551
10	bushels..	26,343,230	963,359	781,492	1,194,241	25,362	63,096
11	Corn.....	acres.. 17,280	192	60	835	1	66
12	bushels..	451,757	7,921	2,137	28,486	20	1,576
13	Oats.....	acres.. 330,162	11,279	18,532	24,533	612	1,231
14	bushels..	10,881,286	528,240	509,263	911,862	23,845	55,068
15	Wheat.....	acres.. 763,187	8,490	12,082	9,273	61	213
16	bushels..	12,456,751	231,201	208,017	238,607	1,367	5,693
17	Emmer and spelt.....	acres.. 719	5	.....	14	.....	.....
18	bushels..	24,746	120	.....	442	.....	.....
19	Barley.....	acres.. 108,847	4,081	447	536	3	28
20	bushels..	2,377,735	186,027	10,263	13,549	95	568
21	Rye.....	acres.. 12,913	931	63	62	4	12
22	bushels..	147,024	0,760	912	1,129	35	171
23	<b>Other grains:</b>						
24	Dry peas.....	acres.. 436	.....	1	96	.....	1
25	bushels..	9,344	.....	8	1,570	.....	30
26	Dry edible beans.....	acres.. 562	8	13	15	.....	.....
27	bushels..	8,032	119	152	161	.....	3
28	<b>Hay and forage:</b>						
29	Total.....	acres.. 939,979	61,236	17,786	28,434	3,844	7,248
30	tons.....	1,587,796	131,304	29,472	54,792	9,129	14,476
31	<b>All tame or cultivated grasses.....</b>						
32	tons.....	336,798	38,903	2,240	17,648	3,142	4,039
33	Timothy alone.....	tons..... 101,487	3,632	3,632	33,051	7,343	9,231
34	acres.....	40,166	3,078	119	1,582	133	369
35	tons.....	67,230	8,812	196	2,944	276	930
36	Timothy and clover mixed.....	acres..... 66,652	8,817	195	5,676	1,816	3,091
37	tons.....	129,278	20,340	180	11,628	4,642	6,988
38	Clover alone.....	acres..... 47,436	355	750	9,483	306	390
39	tons.....	83,909	1,368	1,368	17,071	671	919
40	Alfalfa.....	acres..... 120,427	19,627	115	57	1	6
41	tons.....	375,446	58,102	204	98	5	33
42	Millet or Hungarian grass.....	acres..... 1,310	60	.....	39	5	2
43	tons.....	1,690	85	.....	49	7	2
44	Other tame or cultivated grasses.....	acres..... 60,808	6,066	1,061	811	881	181
45	tons.....	106,126	13,390	1,261	1,261	1,742	359
46	Wild, salt, or prairie grasses.....	acres..... 218,071	20,120	490	329	133	1,547
47	tons.....	248,917	20,710	564	361	122	1,165
48	Grains cut green.....	acres..... 373,703	2,091	14,912	9,974	563	1,680
49	tons.....	509,030	2,748	23,422	18,660	1,364	3,351
50	Coarse forage.....	acres..... 10,462	169	142	434	6	82
51	tons.....	57,107	169	1,845	2,284	300	728
52	<b>Special crops:</b>						
53	Potatoes.....	acres..... 44,265	765	583	7,468	273	644
54	bushels..	4,822,962	113,812	62,492	842,921	41,823	93,529
55	All other vegetables.....	acres..... 23,134	639	693	1,829	80	273
56	Sugar beets.....	acres..... 1,176	.....	.....	.....	53	.....
57	tons.....	15,806	.....	.....	.....	2,327	3
58	Hops.....	acres..... 21,770	.....	204	1,472	.....	.....
59	pounds..	16,582,562	100	151,427	995,847	.....	.....
60	<b>FRUITS AND NUTS</b>						
61	<b>Orchard fruits:</b>						
62	Total.....	trees.. 4,583,735	77,040	124,462	282,096	17,476	36,184
63	bushels..	4,423,244	78,940	111,452	332,465	17,298	48,616
64	Apples.....	trees.. 2,020,913	45,044	58,035	140,076	13,388	21,048
65	bushels..	1,930,926	45,204	54,748	144,329	13,793	31,424
66	Peaches and nectarines.....	trees.. 273,162	12,585	5,587	9,659	27	100
67	bushels..	179,039	13,908	1,788	6,062	38	19
68	Pears.....	trees.. 273,542	4,670	7,001	18,181	743	3,488
69	bushels..	374,622	6,110	10,045	28,163	736	4,894
70	Plums and prunes.....	trees.. 1,764,806	8,432	49,635	95,695	2,740	7,777
71	bushels..	1,747,587	8,886	40,815	132,232	2,308	9,690
72	Cherries.....	trees.. 223,450	5,347	3,909	16,809	550	3,546
73	bushels..	181,089	3,591	3,861	19,736	418	2,439
74	Apricots.....	trees.. 10,650	620	60	49	2	3
75	bushels..	4,616	1,160	34	104	.....	4
76	Grapes.....	vines.. 381,302	4,847	4,365	46,094	.....	267
77	pounds..	3,206,874	14,690	52,849	535,267	.....	5,078
78	<b>Small fruits:</b>						
79	Total.....	acres.. 5,122	69	138	567	37	19
80	quarts.....	9,348,490	76,904	147,808	1,392,220	49,233	19,644
81	Strawberries.....	acres.. 2,941	37	61	396	15	12
82	quarts.....	5,322,040	42,977	87,806	1,080,302	19,349	12,407
83	Raspberries and loganberries.....	acres.. 1,460	22	33	98	18	4
84	quarts.....	2,644,948	23,203	48,992	190,214	27,059	4,025
85	Blackberries and drowberries.....	acres.. 431	3	5	40	2	2
86	quarts.....	915,744	4,230	3,545	71,913	785	1,627
87	<b>Nuts:</b>						
88	Total.....	trees.. 16,992	580	293	1,253	.....	189
89	pounds..	177,632	10,125	3,447	16,631	.....	875
90	Walnuts (Persian or English).....	trees.. 9,528	50	143	621	.....	147
91	pounds..	70,060	125	957	4,653	.....	126

TABLE 5.—SELECTED FARM EXPENSES

1	Labor.....	Farms reporting.....	24,229	747	526	1,887
2	Cash expended.....	dollars.. 9,110,241	324,855	112,390	334,746	41,760
3	Rent and board furnished.....	dollars.. 1,091,623	103,552	20,954	50,387	14,678
4	Fertilizer.....	Farms reporting.....	2,887	7	50	630
5	Amount expended.....	dollars.. 68,557	215	1,605	9,800	878
6	Feed.....	Farms reporting.....	21,012	550	488	1,663
7	Amount expended.....	dollars.. 3,198,363	147,043	54,983	174,762	31,815
8	Receipts from sale of feedable crops.....	dollars.. 4,514,161	507,975	99,307	205,311	2,313

# STATISTICS OF AGRICULTURE.

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## AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909.

	Coos.	Crook.	Curry.	Douglas.	Gilliam.	Grant.	Harney.	Hood River.	Jackson.	Josephine.	Klamath.
1	786,944	1,214,591	141,082	1,588,196	972,004	630,556	748,740	533,002	1,032,568	546,577	887,802
2	44,549	316,030	14,111	417,913	802,013	118,633	104,089	801	167,387	31,707	301,510
3	5,910	3,228	1,339	4,534		30			8,225	4,024	
4	334,255	727,108	56,402	531,260	139,334	304,880	531,742	104,115	740,350	246,460	488,824
5	187,567	87,132	34,187	204,655	18,939	74,600	49,038	52,050	121,512	88,215	63,548
6	111,456	16,505	18,724	249,531	9,110	39,402	3,321	318,103	479,478	89,168	4,594
7	103,207	63,988	16,919	180,303	2,608	32,951	550	58,527	109,080	86,904	34,386
8	1,480	28,476	431	27,747	109,664	6,222	8,003	44	9,704	1,839	20,927
9	67,639	379,480	17,925	631,147	973,001	140,623	160,759	2,470	101,698	35,400	406,565
10	456	118	83	2,111	54	300		17	4,009	532	
11	19,951	1,430	1,931	58,559	640	2,238		275	71,892	9,936	
12	556	5,633	281	14,593	615	2,000	2,305	25	886	544	2,823
13	31,168	106,514	12,540	366,830	10,378	61,587	55,983	1,163	18,368	11,892	79,138
14	196	16,886		9,934	95,402	2,542	2,711	2	3,962	506	11,172
15	5,318	186,880	2	177,923	808,183	54,312	20,898	38	70,946	8,417	184,306
16		2		13		8	20				2
17		80		183		100	225				127
18	255	3,521	07	1,082	15,474	850	2,559		955	167	4,358
19	11,099	60,630	3,452	27,386	153,450	22,035	69,834		30,076	5,155	123,200
20	17	2,312		14	59	510	468		32		2,572
21	96	23,904		206	350	6,091	4,819		306		19,734
22	50		10	14							
23	1,793		458	180						4	
24	46	0	10	81					65	66	
25	647	70	193	682					2,154	1,110	
26	10,499	49,267	2,804	28,024	9,523	31,512	66,724	2,433	36,126	9,898	55,440
27	41,884	69,960	6,224	43,061	10,515	47,897	73,667	6,113	68,789	17,028	75,300
28	5,855	15,027	1,507	2,655	1,504	15,331	5,443	1,016	14,655	5,130	10,147
29	15,087	34,964	3,978	5,796	5,027	20,444	11,846	5,234	34,571	10,380	20,153
30	63	562	2	195	20	3,013	540	205	522	235	304
31	182	954	2	350	30	5,196	972	478	779	387	411
32	1,709	4,219	38	339		6,058	1,484	787	824	1,079	2,249
33	4,395	6,273	84	721		9,915	2,112	1,976	1,194	1,000	4,015
34	1,221	272	128	145		60		305	350	305	30
35	3,406	377	366	324		170		860	839	688	30
36	8	9,190	32	804	1,484	3,937	3,359	464	11,168	2,377	6,035
37	19	26,103	90	2,239	4,907	11,301	8,612	1,507	29,297	5,768	19,735
38	38	181	0	12					10	4	
39	70	246	15	21					15	3	
40	2,816	603	1,358	1,109		1,663		150	162	1,136	929
41	7,015	1,011	2,810	2,232		2,456			400	2,447	1,962
42	327	7,519	110	833	112	6,179	58,574	48	2,796	130	30,954
43	760	9,400	115	953	50	6,347	59,178	40	2,730	137	31,143
44	3,581	29,707	1,109	24,330	7,807	10,002	2,704	467	18,523	4,471	14,340
45	12,206	25,511	2,657	35,924	5,378	12,076	2,653	823	21,080	5,630	18,004
46	638		18	105	100			12	152	121	
47	10,774		74	728	60			12	385	742	
48	1,004	896	124	974	159	371	233	611	400	349	1,050
49	199,930	50,088	18,628	99,452	9,530	37,030	24,525	54,841	48,000	40,417	66,136
50	480	481	147	1,301	72	358	210	204	734	553	225
51											
52											
53											
54				89					10		
55				50,500					61	248	
56									18,746	150,600	
57	68,761	13,117	14,622	505,733	15,769	30,512	2,593	215,596	241,291	67,292	7,003
58	175,144	8,569	28,939	299,277	7,436	55,700	1,130	133,293	354,566	63,703	3,162
59	53,488	8,390	9,893	115,105	9,084	21,029	2,168	105,592	120,291	43,290	5,771
60	150,658	6,880	21,180	63,952	5,238	47,368	1,081	122,423	170,087	34,388	2,073
61	678	1,144	184	25,297	1,937	1,150	68	6,031	45,448	11,175	85
62	527	3	113	14,135	66	73		83	70,280	10,513	11
63	3,174	818	696	15,704	1,212	1,721		6,575	45,891	4,819	222
64	6,800	420	1,365	22,844	792	2,399	2	7,280	87,589	7,740	124
65	9,814	2,199	3,303	337,070	2,328	5,380	162	2,040	17,812	6,635	720
66	15,359	881	5,677	161,065	1,113	5,373	45	1,324	12,000	4,195	308
67	1,495	519	626	7,041	945	1,101	67	4,552	4,205	1,183	182
68	1,692	380	671	5,769	206	534	2	2,077	2,810	810	39
69	5	45	12	282	237	147	10	25	1,440	21	15
70	2	5		370	12	9		10	1,745		6
71	553	183	99	22,662	130	198	18	790	64,326	41,869	12
72	6,360	475	8,117	214,501	345	1,102		1,270	443,981	184,752	
73	89	12	14	240	5	33	8	520	110	97	3
74	181,425	12,412	17,484	260,307	5,740	31,619	9,527	964,004	189,220	115,425	3,862
75	41	3	7	111	1	13	1	512	36	40	
76	86,142	1,347	9,160	112,051	1,355	11,532	1,155	951,145	62,213	43,191	204
77	20	2	7	96	1	11	1	4	33	27	
78	41,033	2,022	5,691	110,532	786	10,927	1,155	6,956	52,004	34,513	350
79	8	1		26	2	1		4	37	29	
80	10,407	184	2,012	31,140	1,327	1,005		6,363	98,467	36,075	420
81	112	23	29	1,191							
82	1,640	75	454	9,755	12				30	1,301	2
83	93	17	18	573					51	13,217	
84	1,115	75	450	1,985	0				33	208	
85									50	55	
86									1,845	670	

## AND RECEIPTS, BY COUNTIES: 1909.

1	526	634	114	1,028	332	495	278	402	817	376	454
2	121,516	273,928	29,155	214,077	240,179	198,491	251,611	232,483	390,128	111,935	198,145
3	32,765	73,694	7,546	47,777	89,402	63,065	81,089	17,571	51,531	21,929	63,627
4	17	7	1	39		4		121	21	34	
5	410	230	10	1,271		200		4,014	84	762	7
6	632	545	132	908	185	316	228	521	844	762	207
7	44,341	85,212	6,093	85,011	54,200	62,630	74,178	98,324	101,475	484	403
8	32,021	122,467	9,076	132,537	31,012	75,621	72,741	10,407	109,039	53,365	76,563
9										60,452	117,868

SUPPLEMENT FOR OREGON.

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND ACREAGE

		Lako.	Lane.	Lincoln.	Linn.	Malheur.	Marion.	Morrow.
<b>VALUE OF ALL CROPS</b>								
1	Total .....	dollars.. 590,271	2,180,831	313,501	2,413,953	1,057,740	4,333,371	658,042
2	Cereals .....	dollars.. 101,032	643,377	10,212	1,060,244	168,103	1,353,838	332,777
3	Other grains and seeds .....	dollars.. 3,659	30,471	379	93,961	65,911	24,318	.....
4	Hay and forage .....	dollars.. 423,043	757,650	132,312	671,186	757,963	683,910	295,155
5	Vegetables .....	dollars.. 35,286	270,121	60,279	216,713	51,966	355,141	17,896
6	Fruits and nuts .....	dollars.. 19,433	143,235	37,022	131,756	9,907	394,607	4,922
7	All other crops .....	dollars.. 6,918	320,977	67,297	231,003	3,890	1,521,467	5,292
<b>SELECTED CROPS (acres and quantity)</b>								
8	<b>Cereals:</b>							
9	Total .....	acres... 4,642	45,793	496	78,512	7,329	79,912	81,464
10	Corn .....	bushels.. 117,042	1,026,234	20,033	1,891,764	193,194	2,403,223	378,002
11	Oats .....	acres... 2,253	64,498	6	1,600	101	1,656	2
12	Wheat .....	bushels.. 421	27,288	290	48,701	3,161	50,062	18
13	Emmer and spelt. ....	acres... 8,759	681,241	460	49,756	1,523	52,337	204
14	Barley .....	bushels.. 1,531	15,264	14	25,188	2,605	23,426	2,582
15	Rye .....	bushels.. 30,602	250,017	345	449,685	62,212	533,943	75,721
16	Dry peas .....	acres... 20	192	.....	.....	11	30	.....
17	Dry edible beans .....	bushels.. 808	7,380	.....	.....	210	908	.....
18	Other grains: .....	acres... 2,413	780	.....	1,952	1,802	2,130	5,042
19	Dry peas .....	bushels.. 74,202	22,918	5	44,517	50,697	56,993	32,096
20	Dry edible beans .....	acres... 257	13	7	15	1,067	255	495
21	Other crops .....	bushels.. 2,671	132	112	333	9,774	4,686	1,020
22	<b>Hay and forage:</b>							
23	Total .....	acres... 59,575	39,164	5,293	44,640	43,226	35,809	20,435
24	All tame or cultivated grasses .....	tons... 59,065	59,065	11,703	66,901	104,325	64,297	29,128
25	Timothy alone .....	acres... 7,613	4,722	3,284	14,919	24,977	13,978	5,464
26	Timothy and clover mixed .....	tons... 10,593	7,902	6,647	21,654	82,828	23,032	18,705
27	Clover alone .....	acres... 470	852	38	256	743	1,145	620
28	Alfalfa .....	tons... 880	893	75	298	1,665	1,812	610
29	Millet or Hungarian grass .....	acres... 1,656	798	693	196	2,415	1,343	.....
30	Other tame or cultivated grasses .....	tons... 2,200	1,594	1,450	328	3,450	2,221	.....
31	Wild, salt, or prairie grasses .....	acres... 831	447	447	5,487	53	8,083	.....
32	Grains cut green .....	tons... 1,480	920	.....	7,861	150	13,523	.....
33	Coarse forage .....	acres... 2,204	205	.....	258	18,844	153	4,844
34	Potatoes .....	tons... 4,338	436	.....	578	73,798	444	18,086
35	Sugar beets .....	acres... 750	12	10	10	5	7	.....
36	Hops .....	tons... 800	15	16	18	10	111	.....
37	Other tame or cultivated grasses .....	acres... 2,473	2,024	2,006	8,712	2,917	3,187	.....
38	Wild, salt, or prairie grasses .....	tons... 2,375	3,535	4,186	12,571	3,855	4,921	.....
39	Grains cut green .....	acres... 49,054	3,468	334	1,130	16,750	855	.....
40	Coarse forage .....	tons... 01,700	4,801	591	1,310	19,827	1,078	.....
41	Potatoes .....	acres... 2,818	30,095	1,647	28,221	1,364	15,823	14,921
42	All other vegetables .....	tons... 2,089	44,323	3,680	41,005	1,581	26,044	10,383
43	Sugar beets .....	acres... 90	266	17	300	2	5,148	50
44	Hops .....	tons... 160	1,386	440	2,812	9	13,485	40
45	<b>Special crops:</b>							
46	Total .....	acres... 170	2,080	310	2,110	307	5,522	149
47	Potatoes .....	bushels.. 21,101	270,052	46,318	248,126	39,715	559,804	12,736
48	All other vegetables .....	acres... 133	1,696	354	1,671	105	1,679	120
49	Sugar beets .....	acres... 13	6	.....	.....	.....	1	.....
50	Hops .....	tons... 182	121	.....	.....	.....	12	.....
51	<b>FRUITS AND NUTS</b>							
52	Total .....	acres... 716	.....	.....	279	.....	10,223	.....
53	Potatoes .....	pounds.. 559,021	.....	.....	214,510	.....	6,110,730	.....
54	<b>Orchard fruits:</b>							
55	Total .....	trees... 13,815	243,473	23,365	265,112	41,019	656,478	27,058
56	Apples .....	bushels.. 17,161	174,293	48,949	194,286	6,916	675,182	3,805
57	Peaches and nectarines .....	trees... 0,882	127,205	16,911	134,503	27,727	174,454	8,959
58	Pears .....	bushels.. 13,252	98,157	40,972	95,093	5,700	153,183	3,009
59	Plums and prunes .....	trees... 999	15,876	235	5,743	2,170	14,123	11,736
60	Cherries .....	bushels.. 936	6,205	166	4,727	26	10,988	80
61	Apricots .....	trees... 792	15,931	1,410	14,696	1,304	23,980	1,511
62	Grapes .....	bushels.. 861	10,537	1,361	15,072	226	34,208	259
63	Small fruits: .....	trees... 1,235	66,542	3,861	94,276	7,637	415,749	2,189
64	Strawberries .....	bushels.. 1,553	47,119	5,980	68,030	800	458,272	440
65	Raspberries and loganberries .....	trees... 816	17,465	895	15,448	1,144	22,535	2,317
66	Blackberries and dewberries .....	bushels.. 445	12,168	441	10,065	153	17,047	17
67	Nuts: .....	trees... 107	47	5	50	688	34	333
68	Walnuts (Persian or English) .....	bushels.. 109	18	.....	33	2	7	.....
69	<b>Small fruits:</b>							
70	Total .....	vines... 6	6,425	117	4,484	644	10,177	1,696
71	Strawberries .....	pounds.. 100,606	.....	740	91,837	4,225	101,725	5,055
72	Raspberries .....	acres... 7	179	49	119	17	529	12
73	Raspberries and loganberries .....	quarts.. 10,015	215,805	67,985	205,260	17,356	719,223	8,706
74	Blackberries and dewberries .....	acres... 2	82	23	81	4	235	4
75	Walnuts (Persian or English) .....	quarts.. 2,936	74,277	39,581	155,186	4,158	250,045	3,330
76	Apples .....	acres... 2	57	20	27	5	257	2
77	Peaches and nectarines .....	quarts.. 2,727	87,580	25,468	39,327	4,262	423,143	1,430
78	Pears .....	acres... 1	19	1	5	2	14	3
79	Plums and prunes .....	quarts.. 2,040	30,121	2,304	5,178	2,184	12,833	2,326
80	<b>Nuts:</b>							
81	Total .....	trees... 30	1,069	65	315	23	2,082	1,394
82	Walnuts (Persian or English) .....	pounds.. 305	7,010	270	6,918	.....	31,124	.....
	Other nuts .....	trees... 3	662	64	227	9	1,332	1
	All other crops .....	pounds.. 80	4,852	90	3,245	.....	6,557	.....

TABLE 5.—SELECTED FARM EXPENSES

1	<b>Labor</b> ..... Farms reporting .....	339	1,185	224	1,304	578	2,093	401
2	Cash expended .....	dollars.. 205,621	190,060	32,869	212,991	340,450	788,839	280,421
3	Rent and board furnished .....	dollars.. 42,804	31,025	5,459	40,549	109,389	92,308	86,813
4	<b>Fertilizer</b> ..... Farms reporting .....	1	70	8	180	2	308	1
5	Amount expended .....	dollars.. 7	1,223	73	3,505	22	6,191	10
6	<b>Feed</b> ..... Farms reporting .....	260	1,080	307	1,055	373	1,555	246
7	Amount expended .....	dollars.. 48,162	91,241	23,520	105,094	180,581	145,227	80,592
8	Receipts from sale of feedable crops .....	dollars.. 66,863	180,392	3,984	255,957	230,340	324,795	41,798



TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

		The State.	Baker.	Benton.	Clackamas.	Clatsop.	Columbia.	Coos.	Crook.
1	Inclusures reporting domestic animals.....	14,143	575	274	738	225	200	387	172
2	Value of domestic animals.....dollars..	4,997,977	199,193	65,941	141,042	63,967	39,399	97,236	91,287
<b>Cattle:</b>									
3	Total number.....	17,006	830	265	978	378	343	622	302
4	Value.....dollars..	588,005	32,386	10,454	33,501	12,226	9,985	16,653	9,407
5	Number of dairy cows.....	12,014	587	211	736	310	225	387	146
<b>Horses:</b>									
6	Total number.....	30,203	1,521	415	784	356	176	541	878
7	Value.....dollars..	4,124,678	160,725	54,530	105,643	46,380	28,970	73,094	30,595
8	Number of mature horses.....	29,425	1,454	411	770	345	174	523	834
<b>Mules and asses and burros:</b>									
9	Total number.....	1,450	31	5	5	35	1	37	4
10	Value.....dollars..	248,046	4,200	405	425	5,200	10	5,720	415
11	Number of mature mules.....	1,339	22	5	2	35	1	32	4
<b>Swine:</b>									
12	Total number.....	3,060	213	31	81	19	34	80	89
13	Value.....dollars..	27,634	1,833	212	677	169	453	621	530
<b>Sheep and goats:</b>									
14	Total number.....	3,439	19	50	297	7	24	366	17
15	Value.....dollars..	9,614	49	340	896	22	52	1,148	290

		Curry.	Douglas.	Gilliam.	Grant.	Harney.	Wood River.	Jackson.	Josephine.	Klamath.
1	Inclusures reporting domestic animals.....	48	479	38	163	36	120	662	216	224
2	Value of domestic animals.....dollars..	22,429	122,556	17,565	68,149	15,811	45,834	183,797	74,316	239,141
<b>Cattle:</b>										
3	Total number.....	156	633	51	331	31	107	610	402	269
4	Value.....dollars..	3,137	20,211	1,941	8,046	875	4,324	23,822	9,634	9,471
5	Number of dairy cows.....	62	479	36	107	20	89	458	184	163
<b>Horses:</b>										
6	Total number.....	122	713	126	702	203	270	1,201	463	933
7	Value.....dollars..	18,240	95,255	15,460	56,310	14,885	39,135	157,521	60,195	216,325
8	Number of mature horses.....	118	690	126	656	188	267	1,166	450	916
<b>Mules and asses and burros:</b>										
9	Total number.....	3	34	5	5	7	7	54	32	97
10	Value.....dollars..	305	5,530	1,200	4	1,650	7	4,240	4,076	13,170
11	Number of mature mules.....	2	33	4	4	7	27	27	24	90
<b>Swine:</b>										
12	Total number.....	90	51	19	184	4	17	159	53	9
13	Value.....dollars..	359	480	158	1,750	30	225	902	297	65
<b>Sheep and goats:</b>										
14	Total number.....	111	410	2	53	4	58	67	7	
15	Value.....dollars..	388	1,080	6	243	21	222	204	110	

		Lake.	Lane.	Lincoln.	Linn.	Malheur.	Marion.	Morrow.	Multnomah.	Polk.
1	Inclusures reporting domestic animals.....	192	1,041	93	651	157	1,252	18	2,731	411
2	Value of domestic animals.....dollars..	92,379	257,326	17,130	176,785	127,121	271,659	9,999	1,436,552	87,547
<b>Cattle:</b>										
3	Total number.....	273	1,344	139	809	223	1,217	25	2,128	432
4	Value.....dollars..	7,242	44,956	4,353	29,040	7,077	42,966	673	84,751	13,897
5	Number of dairy cows.....	164	1,027	97	614	104	1,040	17	1,720	333
<b>Horses:</b>										
6	Total number.....	524	1,679	103	1,043	595	1,596	82	8,495	546
7	Value.....dollars..	48,250	190,771	12,115	138,273	61,692	221,866	9,320	1,310,687	71,662
8	Number of mature horses.....	502	1,630	98	1,003	578	1,571	80	8,447	532
<b>Mules and asses and burros:</b>										
9	Total number.....	189	117	6	67	313	21	178	8	
10	Value.....dollars..	36,725	13,525	650	8,170	58,275	4,600	36,020	840	
11	Number of mature mules.....	183	110	6	66	311	11	171	8	
<b>Swine:</b>										
12	Total number.....	16	197	1	140	5	187	1	401	87
13	Value.....dollars..	162	1,450	12	969	51	1,137	6	4,001	607
<b>Sheep and goats:</b>										
14	Total number.....	538	217	343	26	562	1,090	29	333	
15	Value.....dollars..	1,524	343	26	1,090	29	1,090	193	481	

		Sherman.	Tillamook.	Umatilla.	Union.	Wallowa.	Wasco.	Washington.	Wheeler.	Yamhill.
1	Inclusures reporting domestic animals.....	81	154	466	604	242	355	416	78	635
2	Value of domestic animals.....dollars..	34,055	59,933	147,178	182,765	96,294	238,549	111,570	30,330	130,211
<b>Cattle:</b>										
3	Total number.....	106	175	999	813	393	285	472	139	730
4	Value.....dollars..	4,297	6,154	29,356	32,848	15,865	11,253	19,181	3,953	24,040
5	Number of dairy cows.....	81	118	494	541	245	217	372	82	548
<b>Horses:</b>										
6	Total number.....	240	289	945	1,139	624	1,306	586	230	777
7	Value.....dollars..	27,730	52,991	114,901	144,086	78,150	196,113	87,102	26,206	103,600
8	Number of mature horses.....	229	272	894	1,081	617	1,292	571	211	759
<b>Mules and asses and burros:</b>										
9	Total number.....	12	4	15	6	11	124	21	1	7
10	Value.....dollars..	1,950	395	2,550	1,250	1,799	28,350	4,600	100	909
11	Number of mature mules.....	12	4	14	6	6	118	17	1	7
<b>Swine:</b>										
12	Total number.....	20	12	36	353	33	221	54	9	154
13	Value.....dollars..	168	393	349	4,576	475	2,687	537	71	1,192
<b>Sheep and goats:</b>										
14	Total number.....	16	7	1	5	16	29	39	170	
15	Value.....dollars..	104	22	1	5	104	146	130	479	

## CHAPTER 4.

### STATISTICS OF IRRIGATION FOR THE STATE AND ITS COUNTIES.

**Introduction.**—This chapter presents the larger part of the statistics of irrigation for Oregon obtained in connection with the Thirteenth Census. The statistics of the number of farms and acreage irrigated, cost of operation and maintenance, and irrigated crops are for the calendar year 1909; those of irrigation works, cost of enterprises, acreage enterprises were capable of irrigating in 1910, and acreage included in projects are of the date July 1, 1910.

These statistics have been collected under the law of February 25, 1910, which contained the following clause relating to irrigation:

Inquiries shall also be made as to the location and character of irrigation enterprises, quantity of land irrigated in the arid region, of the United States and in each state and county in that section under state and Federal laws; the price at which these lands, including water rights, are obtainable; the character and value of crops produced on irrigated lands, the amount of water used per acre for said irrigation and whether it was obtainable from national, state, or private works; the location of the various projects and methods of construction, with facts as to their physical condition; the amount of capital invested in such irrigation works.

The information called for by this law which could be supplied by farm operators was obtained on supplemental schedules by the regular census enumerators as a part of the agricultural census. The remaining data, which were supplied by the owners or officials of irrigation enterprises, were obtained on special schedules by special agents. The data relating to number of farms irrigated and irrigated crops are taken from the supplemental schedules, while all data relating to acreage irrigated and to irrigation works are taken from the special schedules.

In accordance with the law, the data collected have been classified primarily by the state and Federal laws by virtue of which the land was brought under irrigation. The results are presented in detail at the end of this chapter and summarized in text tables.

Such of the terms used as are not self-explanatory are defined below.

**Farms irrigated.**—The number of "farms irrigated" is the number of farms on which irrigation is practiced and is equivalent to the term "number of irrigators" used in previous census reports.

**Types of enterprise.**—The types of enterprise under which the lands irrigated in 1909 are classified are as follows:

*United States Reclamation Service enterprises*, which operate under the Federal law of June 17, 1902, providing for the construction of irrigation works with the receipts from the sale of public lands.

*United States Indian Service enterprises*, which operate under various acts of Congress providing for the construction by that service of works for the irrigation of land in Indian reservations.

*Carey Act enterprises*, which operate under the Federal law of August 18, 1894, granting to each of the states in the arid region 1,000,000 acres of land on condition that the state provide for its irrigation, and under amendments to that law granting additional areas to Idaho and Wyoming.

*Irrigation districts*, which are public corporations that operate under state laws providing for their organization and management, and empowering them to issue bonds and levy and collect taxes with the object of obtaining funds for the purchase or construction, and for the operation and maintenance of irrigation works.

*Cooperative enterprises*, which are controlled by the water users under some organized form of cooperation. The most common form of organization is the stock company, the stock of which is owned by the water users.

*Commercial enterprises*, which supply water for compensation to parties who own no interest in the works. Persons obtaining water from such enterprises are usually required to pay for the right to receive water, and to pay, in addition, annual charges based in some instances on the acreage irrigated and in others on the quantity of water received.

*Individual and partnership enterprises*, which belong to individual farmers or to neighboring farmers, who control them without formal organization. It is not always possible to distinguish between partnership and cooperative enterprises, but as the difference is slight this is unimportant.

**Source of water supply.**—Of the terms used in the classification according to source of water supply, none requires explanation except "reservoirs." The only reservoirs which are treated as independent sources of supply are those filled by collecting storm water or from watercourses that are ordinarily dry. When reservoirs are filled from streams or wells, the primary source is considered the source of supply.

**Acre-foot.**—The "acre-foot," used to express the capacity of reservoirs, is the volume of water required to cover 1 acre to a depth of 1 foot, or 43,560 cubic feet.

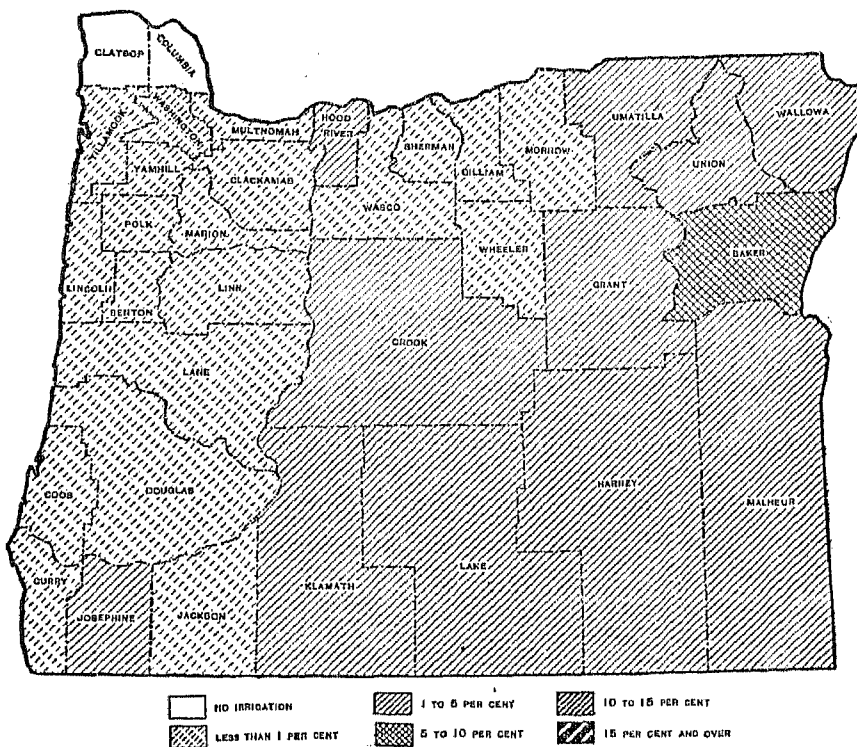
**Cost.**—The cost of irrigation enterprises is that given by the owners. For the larger works the cost given is taken, in most cases, from the books of account and represents the actual cost. In the case of most of the private and partnership and many of the cooperative enterprises, however, the works were built by their owners without records of money or labor expended, and the cost given represents the owners' estimates. The cost reported for 1910 includes the cost of construction and of acquiring rights. The latter usually consists of filing fees only. In some instances it includes the purchase price of rights, but these cases are so rare that they are unimportant. The cost reported for 1899 is designated "cost of construction," but probably includes the cost of acquiring rights, as in 1910. The average cost per acre is based on the acreage enterprises were capable of irrigating in 1910 and the cost to July 1, 1910.



PER CENT OF TOTAL LAND AREA IRRIGATED, AND PER CENT OF NUMBER OF FARMS IRRIGATED,  
IN OREGON, BY COUNTIES: 1909.

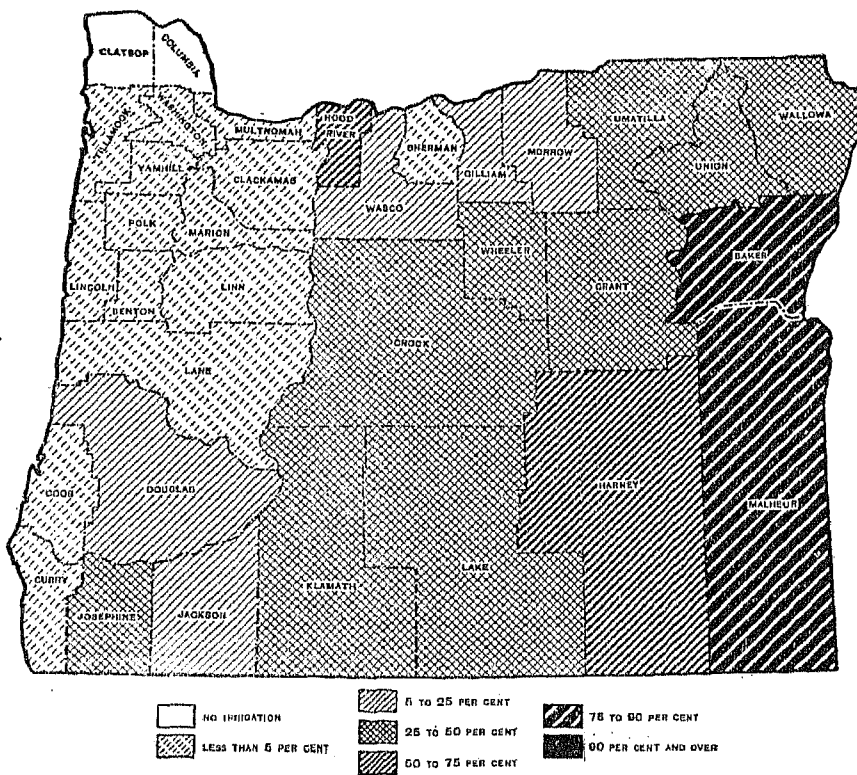
PER CENT OF TOTAL LAND AREA IRRIGATED.

[Per cent for the state, 1.1.]



PER CENT OF NUMBER OF FARMS IRRIGATED.

[Per cent for the state, 14.7.]



FARMS AND ACREAGE IRRIGATED.

The Cascade Mountain range, which parallels the coast line and extends across the state about 125 miles inland, divides Oregon into two parts, which differ widely in climatic characteristics. The western third of the state, lying between these mountains and the coast is, except in the extreme southern part, generally humid, with an average annual precipitation which is ample in most sections for the maturing of crops without irrigation. The regions east of the mountains, however, are arid or semiarid, and it is in this section of the state that irrigation is most widely practiced. Irrigation was reported in 1909 from all counties in the state except two, but of the total acreage supplied with water in that year about 96 per cent lies

east of the mountains. The location of irrigated lands is indicated in a general way by the accompanying maps, which show the class in which each county falls with reference to the percentage which irrigated land forms of the total land area and the percentage which irrigated farms represent of all farms.

The following table shows for the state as a whole the number of farms and acreage irrigated in 1909 in comparison with the total number of farms, the total land area, the total land in farms, and the total acreage of improved land in farms in 1910, together with the areas not yet irrigated for which water has been or is being made available. Comparative figures for 1900 are included as far as possible.

	CENSUS OF—		INCREASE.	
	1910	1900	Amount.	Per cent.
Number of all farms.....	<sup>1</sup> 45,502	<sup>2</sup> 35,837	9,665	27.0
Approximate land area of the state..... acres.	61,188,480	61,188,480		
Land in farms..... acres.	<sup>1</sup> 11,685,110	<sup>2</sup> 10,071,328	1,613,782	16.0
Improved land in farms..... acres.	<sup>1</sup> 4,274,808	<sup>2</sup> 3,328,308	946,495	28.4
Number of farms irrigated.....	<sup>3</sup> 6,669	<sup>4</sup> 4,636	2,033	43.9
Acreage irrigated.....	<sup>3</sup> 686,129	<sup>4</sup> 388,310	297,819	76.7
Acreage enterprises were capable of irrigating.....	<sup>5</sup> 830,526	( <sup>6</sup> )		
Acreage included in projects.....	<sup>5</sup> 2,527,208	( <sup>6</sup> )		
Percentage irrigated of—				
Number of all farms.....	14.7	12.9	1.8	
Approximate land area of the state.....	1.1	0.6	0.5	
Land in farms.....	5.9	3.9	2.0	
Improved land in farms.....	16.1	11.7	4.4	
Excess of acreage enterprises were capable of irrigating in 1910 over acreage irrigated in 1900.....	144,397			
Excess of acreage included in projects over acreage irrigated in 1909.....	1,841,079			

<sup>1</sup> April 15.

<sup>2</sup> June 1.

<sup>3</sup> In 1909.

<sup>4</sup> In 1899.

<sup>5</sup> July 1.

<sup>6</sup> Not reported.

**Number of farms irrigated.**—The number of farms irrigated is made up of the number reported on the supplemental schedules by the regular enumerators, together with an estimate of the number of farms covered by enterprises which were reported by special agents but not by the regular enumerators. This estimate was based upon the average acreage irrigated per farm as shown by the supplemental schedules. According to the figures presented in the table, irrigation was practiced on about one-seventh (14.7 per cent) of the farms in the state in 1909. In 1899 the proportion of irrigated farms was 12.9 per cent, while in 1889 the proportion was 12.3 per cent. It is evident that between 1889 and 1899 the number of irrigated farms in the state increased at about the same rate as the number of unirrigated farms. During the later decade, however, the rate of increase in the number of irrigated farms was almost twice as great as that in the number of unirrigated farms.

Of the 34 counties in the state, only 4 report more than half their farms as irrigated; in 4 the proportion is between 40 and 50 per cent and in 2 it is between 30 and 40 per cent. In only 6 out of the remaining 24 counties are as many as 10 per cent of the farms irri-

gated. In 16 counties less than 10 per cent of the farms are irrigated, while from 2 no irrigation at all is reported. The 18 counties last mentioned are all in the western part of the state, whereas the counties which have a large proportion of their farms irrigated are in the eastern part. In Baker County the irrigated farms form 80.6 per cent of the whole number of farms, and in Malheur and Hood River Counties, 77.7 and 62.4 per cent, respectively.

From 1899 to 1909 the increase in the number of farms irrigated was 43.9 per cent for the state as a whole. This percentage was exceeded in 7 counties in which no change of boundaries took place during the decade, and in the territory which comprised Wasco County in 1899 and Wasco and Hood River Counties in 1909. This high rate of increase was confined almost entirely to the counties east of the mountains, which together show an increase of 46.1 per cent. Although the counties west of the Cascades together show an increase of 32.8 per cent, the extension of irrigation in this section was confined almost entirely to Douglas, Jackson, and Josephine Counties. In the counties west of the Cascades which in the table at the end of this chapter are included under the head of

"all other counties" the total number of irrigated farms fell off 51.5 per cent. In Crook County the number of such farms increased 157.5 per cent, in Umatilla County 108.2 per cent, in Klamath County 106.2 per cent, in Morrow County 88.2 per cent, and in Josephine County 70.6 per cent. The greatest absolute increase for a single county was reported for Umatilla County, 356 farms. The territory comprising Baker and Union Counties showed an increase of 395 farms.

**Acreage irrigated.**—The acreage irrigated is taken from special schedules filled out by agents from information obtained from owners or officials of irrigation enterprises and, in some instances, from public records. The acreage thus obtained is considerably larger than the irrigated acreage reported on the supplemental schedules filled out by the farm enumerators. This difference is due in a measure to the fact that the special agents found enterprises which were not reported on any schedules returned by the enumerators, indicating that the acreage reported on the supplemental schedules is to some extent under the true figure. There is, however, a natural tendency for the officials of enterprises to report as irrigated the entire area of farms of which only a part was irrigated. Furthermore, some farms are so situated as to receive water from more than one enterprise, and may be reported as irrigated by each, which results in duplication. Owing to the two causes last enumerated, it is probable that the acreage irrigated as shown in this chapter is somewhat excessive, but the extent of this excess can not be determined. It is believed, however, to be less than 10 per cent for the state of Oregon.

The total acreage reported as irrigated in 1909 was 686,129 acres, as against 388,310 acres in 1899 and 177,944 acres in 1889. The percentage of increase from 1889 to 1899 was 118.2 and that from 1899 to 1909, 76.7. The absolute increase during the later decade was, however, 297,819 acres, while that during the earlier decade was only 210,366 acres.

The percentage of increase between 1899 and 1909 in the acreage irrigated was considerably higher than the percentage of increase in the number of farms irrigated. This indicates that there was an increase in the acreage irrigated per farm, the average being 102.9 acres in 1909, as compared with 83.8 acres in 1899. As a decrease from 281 acres to 256.8 acres in the average size of the farms of the state was reported for the same period, it is probable that farmers are irrigating larger parts of their holdings than formerly. It is not possible, however, to determine how far this is actually the case, as the higher average size shown for 1909 was due to a considerable extent to the inclusion of the entire acreage of an Indian reservation in Crook County that was not included in the returns for 1910. The percentage which the irrigated area represented of the total improved farm acreage was 11.7 per cent in 1899, while in 1909 it was 16.1 per cent.

The percentage of the total land area of the state irrigated in 1909 was 1.1, compared with 0.6 per cent in 1899 and 0.3 per cent in 1889.

The county for which the largest area of irrigated land was reported in 1909 was Baker, with an irrigated acreage of 129,673. Harney County, which in 1899 ranked first in area of irrigated land, was second in 1909, with 129,135 acres. In three other counties the area of irrigated land in 1909 exceeded 50,000 acres, while five counties contained irrigated areas of between 30,000 and 50,000 acres.

The county in which irrigated land formed the highest percentage of the total area was Baker, where 6.6 per cent of the land area was irrigated. In only 4 other counties—Harney, Hood River, Union, and Wallowa—was the proportion as high as 2 per cent.

**Acreage included in projects.**—The preceding table shows that in 1910 existing enterprises were ready to supply water to 144,397 acres more than were irrigated in 1909. The acreage included in projects exceeds the acreage irrigated in 1909 by 1,841,079 acres, which is more than six times the acreage brought under irrigation in the last decade and nearly three times the total area irrigated in 1909. This acreage represents the area which will be available for the extension of irrigation in the next few years upon the completion of the projects now under construction. It indicates in a general way the area available for settlement, although much of this unirrigated land is in farms already settled.

**Acreage irrigated, classified by character of enterprise.**—The following table gives the distribution of the acreage irrigated in 1909 according to the character of the enterprise controlling the irrigation works. In Klamath County an area of 10,000 acres formerly irrigated by various enterprises has been taken over by the United States Reclamation Service and is here credited to that service.

CHARACTER OF ENTERPRISE.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
<b>All classes</b> .....	686,129	100.0
U. S. Reclamation Service.....	22,000	3.2
U. S. Indian Service.....	420	0.1
Carey Act enterprises.....	24,750	3.6
Irrigation districts.....	1,500	0.2
Cooperative enterprises.....	149,985	21.9
Commercial enterprises.....	77,387	11.3
Individual and partnership enterprises.....	410,078	59.8

Irrigation districts, cooperative enterprises, and individual and partnership enterprises are all controlled by the water users. These supply about 82 per cent of the acreage irrigated, while United States Reclamation Service and Carey Act enterprises, which are to be turned over to the water users, supply about 7 per cent. Thus only a small percentage of the land irrigated is supplied by works which are not either

controlled by the water users or to be turned over to them ultimately. The cooperative enterprises, which supplied water for 21.9 per cent of the land irrigated in 1909, are principally stock companies, of which the stock is owned by the water users.

**Acreage irrigated, classified by source of water supply.**—The following table shows the distribution of the acreage irrigated in 1909 according to the source of water supply.

From this table it is apparent that up to the present time there has been no extensive development of any

source of water supply other than streams, although lakes and springs supply considerable areas.

SOURCE OF WATER SUPPLY.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
All sources.....	686, 129	100.0
Streams.....	646, 866	94.3
Lakes.....	23, 730	3.5
Wells.....	1, 400	0.2
Springs.....	10, 738	1.6
Reservoirs.....	3, 279	0.5

**IRRIGATION WORKS.**

The following table summarizes the data collected relating to works for supplying water for irrigation in 1910 and 1900. As only two of the items reported in 1910 were reported in 1900, there is little opportunity for comparison between the two censuses. The figures shown for the earlier census relate only to those systems which received water from streams in 1899, but the other systems represented in the Twelfth Census report, which obtained water from wells, supplied only 199 acres of the total area reported as irrigated in 1899.

Assuming that the enterprises in operation in 1909 were identical with those reported in 1910, the average acreage irrigated per enterprise in 1909 was 183.2 and the acreage irrigated per mile of main ditch was 123.9. For the enterprises shown for 1900, the average acreage irrigated per enterprise in 1899 was 208.1 and the average per mile of main ditch was 170.

There has been little utilization of underground water for irrigation up to this time. The table shows 51 flowing wells, which irrigated 655 acres, and 92 pumped wells, which irrigated 805 acres. All but 6 of the flowing wells are in Harney and Klamath

Counties, while more than two-thirds of the pumped wells are in Jackson, Josephine, Umatilla, and Union Counties. Klamath County has the largest acreage irrigated by flowing wells—500 acres—while Umatilla has the largest acreage supplied from pumped wells—398 acres. Pumping from wells, lakes, or streams is but little practiced as yet, the total acreage supplied with pumped water being only 5,211 acres in 1909.

IRRIGATION WORKS.	CENSUS OF—		INCREASE.	
	1910	1900 <sup>1</sup>	Amount.	Per cent.
Independent enterprises.....number..	3, 745	1, 865	1, 880	100.8
Ditches, total length.....miles.....	7, 591	( <sup>2</sup> )	.....	.....
Main ditches.....number.....	3, 582	( <sup>2</sup> )	.....	.....
Length.....miles.....	5, 539	2, 283	3, 256	142.6
Capacity.....cu. ft. per second..	39, 086	( <sup>2</sup> )	.....	.....
Lateral ditches.....number.....	2, 518	( <sup>2</sup> )	.....	.....
Length.....miles.....	2, 052	( <sup>2</sup> )	.....	.....
Reservoirs.....number.....	271	( <sup>2</sup> )	.....	.....
Capacity.....acre-feet.....	1, 024, 260	( <sup>2</sup> )	.....	.....
Flowing wells.....number.....	51	( <sup>2</sup> )	.....	.....
Capacity.....gals. per minute.....	3, 035	( <sup>2</sup> )	.....	.....
Pumped wells.....number.....	92	( <sup>2</sup> )	.....	.....
Capacity.....gals. per minute.....	20, 883	( <sup>2</sup> )	.....	.....
Pumping plants.....number.....	229	( <sup>2</sup> )	.....	.....
Engine capacity.....horsepower.....	3, 095	( <sup>2</sup> )	.....	.....
Pump capacity.....gals. per minute..	118, 514	( <sup>2</sup> )	.....	.....

<sup>1</sup> Figures relate only to systems obtaining water from streams. <sup>2</sup> Not reported.

**COST OF CONSTRUCTION, OPERATION, AND MAINTENANCE.**

The table following shows the total cost of irrigation enterprises up to July 1, 1910, including construction of works and acquisition of rights but not operation and maintenance, with the average cost per acre, based on the acreage the enterprises were capable of irrigating in 1910; the estimated final cost of enterprises completed and enterprises now under construction, with the average cost per acre, based on the acreage included in projects; and the total cost and average cost per acre of operation and maintenance in 1909. Data relating to the cost of construction and maintenance of systems operated in 1899 are included for comparison. The figure for average cost per acre of operation and maintenance in 1899 does not cover the cost for systems receiving water from wells, but these are comparatively unimportant, having supplied only 199 acres in that year.

The cost of operation and maintenance is not reported for individual and partnership enterprises, for the reason that farmers whose land is irrigated by such systems generally clean their own ditches

at odd times without keeping any record of the time spent. In the case of the larger enterprises this cost represents a cash outlay by the farmers, while in the case of many of the smaller cooperative enterprises the cost is worked out by the farmers.

	CENSUS OF—		INCREASE.	
	1910	1900	Amount.	Per cent.
Cost of irrigation enterprises..... <sup>1</sup>	\$12, 760, 214	\$1, 843, 771	\$10, 916, 443	592.1
Average per acre..... <sup>2</sup>	\$15.36	\$4.75	( <sup>3</sup> )	.....
Estimated final cost of existing enterprises.....	\$30, 210, 619	( <sup>4</sup> )	.....	.....
Average per acre included in projects.....	\$15.52	( <sup>4</sup> )	.....	.....
Operation and maintenance:				
Acreage for which cost is reported.....	263, 855	( <sup>5</sup> )	.....	.....
Total cost reported..... <sup>7</sup>	\$103, 111	( <sup>5</sup> )	.....	.....
Average cost per acre.....	\$0.75	\$0.22	\$0.53	240.9

<sup>1</sup> Reported July 1.  
<sup>2</sup> Cost of construction of systems operated in 1899.  
<sup>3</sup> Based on acreage enterprises were capable of irrigating in 1910.  
<sup>4</sup> Based on acreage irrigated in 1899.  
<sup>5</sup> Figures not comparable. (See explanation in text.)  
<sup>6</sup> Not reported.  
<sup>7</sup> For 1909.  
<sup>8</sup> Exclusive of systems receiving water from wells.

The cost of irrigation systems shows the largest increase of any item included in the census of irrigation, 592.1 per cent, while the average cost per acre also shows a considerable increase. It should be noted that the average cost per acre shown for the census of 1900 is based on the acreage irrigated in 1899, instead of the acreage under ditch, which forms the basis of the average for 1910, the latter acreage not being reported in 1900. If computed on the basis of the acreage irrigated in 1909, the average cost in 1910 would be \$18.60, representing an increase of 291.6 per cent over the corresponding figure for the census of 1900. The year 1899 was near the close of the period of private and cooperative construction, when most of the works were built by the water users themselves with little or no expenditure of money, and near the beginning of the present period of large-scale construction by corporations and the Federal Government. This later construction is not only on a more extensive scale but also more difficult and of a better type. Largely as a result of these influences the average cost per acre of irrigation has greatly increased. The average cost up to July 1, 1910, for Oregon, as shown in the table, is, however, below the general average reported for the entire arid region. In Oregon this cost is slightly exceeded by the average (\$15.52) based on the estimated final cost and the acreage included in projects.

The highest cost of irrigation enterprises up to July 1, 1910, per acre enterprises were capable of irrigating—\$103.74—is reported from the counties grouped under the head of "all other counties" in the table at the end of this chapter, a group which includes all the counties west of the Cascades, except Douglas, Jackson, Josephine, and Washington. In this section irrigation is an incidental, rather than an essential, feature of agriculture. Among the counties east of the Cascades, the highest average cost was reported by Umatilla County, where the unusual cost is due in a large measure to the heavy expenditures made on works which were nearly complete July 1, 1910, but on that date were ready to supply water to only a part of the land to be irrigated ultimately. The county showing the lowest average cost per acre—\$3.01—was Harney, in which county the acreage existing enterprises were capable of irrigating in 1910 was greater than in any other county.

The acreage for which cost of operation and maintenance in 1909 was reported constitutes 38.5 per cent of the total acreage reported as irrigated in 1909 and 95.6 per cent of the acreage reported as irrigated by other than individual and partnership enterprises. The cost reported can be said, therefore, to represent very fairly the average annual expense for all but individual and partnership enterprises.

## CROPS.

As previously stated, the data relating to irrigated crops are taken from supplemental schedules filled out by the regular census enumerators. Since the special agents found enterprises which the enumerators had not reported, it is evident that the information relating to irrigated crops is incomplete to some extent. It shows, however, the relative importance of the different irrigated crops and is sufficiently complete to afford reliable averages of yields.

The table following shows the acreage, yield, and value of the principal crops reported as grown under

irrigation in 1909, in comparison with totals for the same crops reported for the entire state. While small quantities of other crops are grown both on irrigated and un-irrigated land, the leading crops of the state, as well as the leading crops grown under irrigation, are represented in the table. In the reports of the agricultural census the acreages of seed crops are not generally given, but since the growing of these crops, especially alfalfa seed, is coming to be an important industry in the irrigated sections of the country, the acreages are presented here.

CROP.	ACREAGE.			YIELD.			VALUE.	
	Total for state.	Irrigated.		Unit.	Total for state.	On irrigated land.	Total for state.	For irrigated land.
		Amount.	Per cent of total.					
<b>Cereals:</b>								
Corn.....	17,280	686	4.0	Bushels.....	451,757	17,921	\$310,430	\$15,187
Oats.....	339,102	20,415	6.0	Bushels.....	10,881,286	896,427	5,037,164	486,570
Wheat.....	763,187	21,059	2.8	Bushels.....	12,450,751	569,942	10,849,036	507,089
Emmer and spelt.....	719	41	5.7	Bushels.....	24,746	1,140	1,472	1,111
Barley.....	108,847	18,395	16.9	Bushels.....	2,377,735	595,074	1,513,310	380,643
Rye.....	12,913	1,458	11.3	Bushels.....	147,024	17,662	132,766	14,463
<b>Other grains and seeds:</b>								
Alfalfa seed.....	2,077	1,389	66.9	Bushels.....	8,096	5,728	68,265	48,231
Clover seed.....	8,770	12	0.1	Bushels.....	18,038	00	118,276	450
Dry peas.....	436	1	0.2	Bushels.....	9,344	20	10,035	72
<b>Hay and forage:</b>								
Timothy alone.....	40,106	10,297	40.6	Tons.....	67,239	31,871	724,091	285,065
Timothy and clover mixed.....	66,052	17,592	26.4	Tons.....	129,278	31,009	1,449,854	286,819
Clover alone.....	47,435	1,649	3.3	Tons.....	83,909	3,337	929,144	41,106
Alfalfa.....	120,427	100,623	83.6	Tons.....	375,445	331,515	3,275,220	2,750,875
Other tame or cultivated grasses <sup>1</sup> .....	62,118	3,442	5.5	Tons.....	107,816	6,320	1,078,210	61,342
Wild, salt, or prairie grasses.....	218,071	138,143	63.3	Tons.....	248,917	157,100	1,684,046	1,056,442
Grains out green.....	373,703	14,172	3.8	Tons.....	500,030	21,530	5,738,931	228,339
Coarse forage.....	10,462	28	0.3	Tons.....	57,107	60	2,932,029	738
<b>Sundry crops:</b>								
Potatoes.....	44,265	3,402	7.7	Bushels.....	4,822,962	413,167	2,098,648	243,019
Sugar beets.....	1,176	582	49.5	Tons.....	15,606	4,948	74,902	23,026
Orchard fruits and grapes.....	(3)	5,241	.....	.....	.....	.....	3,438,021	535,043
Small fruits.....	5,122	1,205	23.5	.....	.....	.....	641,194	198,258

<sup>1</sup> Includes millet or Hungarian grass.<sup>2</sup> Agricultural returns show number of trees and not acreage.

**Acreage.**—Of the entire acreage of the crops for which totals are presented in the table, slightly less than one-sixth is irrigated. The proportion irrigated varies widely for the different crops.

The cereals are very generally grown without irrigation, the irrigated acreage being only 5 per cent of the total acreage shown for these crops. The highest percentage of acreage irrigated shown for any cereal, 16.9, is reported for barley, and the next highest, 11.3, for rye. The proportions for oats and wheat are, respectively, 6 per cent and 2.8 per cent, the latter being the lowest percentage reported for any of the cereals.

Of the alfalfa acreage 83.6 per cent is irrigated, and of the land devoted to "wild, salt, or prairie grasses," 63.3 per cent. The corresponding percentage for timothy alone is 40.6, and that for timothy and clover mixed, 26.4. In the case of the remaining hay and forage crops the proportion of the total acreage irrigated is small.

Of the entire acreage in potatoes, 7.7 per cent is irrigated; of that in sugar beets, 49.5 per cent; and of that in small fruits, 23.5 per cent. The relative importance of the irrigated orchard acreage can not be determined, because the total acreage of orchards in the state is not reported, but it will be observed that but little more than one-seventh of the value of all orchard fruits produced in the state is that of products grown on irrigated land.

Of the irrigated crops shown in the table, "wild, salt, or prairie grasses" have the largest acreage, the acreage of this crop being 37.8 per cent of the total acreage of irrigated crops shown in the table. Alfalfa is next with 27.5 per cent, followed by wheat with 5.8 per cent; oats, with 5.6 per cent; and barley, with 5 per cent. No other single crop covers as much as 5 per cent of the total acreage of the irrigated crops presented in the table.

While most of the crops irrigated are well distributed geographically, there is a tendency toward the concentration of certain crops in particular localities. This is shown by the following statement, which gives the counties having the largest acreages of the principal irrigated crops, with the proportions which they contain of the total irrigated acreages of these crops in the state.

**Corn.**—Jackson County, 23.5 per cent; Baker, 18.8 per cent; Josephine, 15.7 per cent.

**Oats.**—Baker County, 46.2 per cent; Wallowa, 14.3 per cent; Crook, 9.9 per cent.

**Wheat.**—Baker County, 32.6 per cent; Klamath, 14.4 per cent; Wallowa, 13.5 per cent.

**Barley.**—Harney County, 29.3 per cent; Klamath, 19 per cent; Baker, 17.7 per cent.

**Rye.**—Crook County, 42.8 per cent; Malheur, 16.2 per cent; Wallowa, 11.6 per cent.

**Timothy alone.**—Baker County, 24.5 per cent; Grant, 22.9 per cent; Union, 15.2 per cent.

**Timothy and clover mixed.**—Baker County, 28.1 per cent; Grant, 23.7 per cent; Crook, 11 per cent.

**Clover alone.**—Josephine County, 17.7 per cent; Union, 16.4 per cent; Crook, 16.3 per cent.

**Alfalfa.**—Baker County, 21.7 per cent; Malheur, 18.9 per cent; Umatilla, 9.3 per cent.

**"Other tame or cultivated grasses."**—Josephine County, 27.6 per cent; Grant, 20.5 per cent; Baker, 17.6 per cent.

**Wild, salt, or prairie grasses.**—Harney County, 27.1 per cent; Lake, 23.9 per cent; Malheur, 13.3 per cent.

**Grains cut green.**—Crook County, 30.6 per cent; Wallowa, 15.8 per cent; Harney, 9 per cent.

**Potatoes.**—Baker County, 18.3 per cent; Hood River, 12.9 per cent; Harney, 11.7 per cent.

**Sugar beets.**—Union County, 82.8 per cent; Wallowa, 17.2 per cent.

**Orchard fruits and grapes.**—Union County, 25 per cent; Hood River, 23 per cent; Baker, 14.9 per cent.

**Small fruits.**—Hood River County, 47.4 per cent; Umatilla, 23.7 per cent; Union, 7.6 per cent.

**Yield.**—In the following table the average yields per acre of crops extensively grown, both with and without irrigation, are shown. The yields on unirrigated land are obtained by subtracting the totals for irrigated crops from the totals for the state:

CROP.	AVERAGE YIELD PER ACRE.		
	On unirrigated land.	On irrigated land.	
		Amount.	Per cent of excess over yield on unirrigated land. <sup>1</sup>
Oats.....bushels..	31.3	43.0	40.3
Wheat.....bushels..	16.0	27.1	69.4
Barley.....bushels..	20.0	30.7	53.5
Rye.....bushels..	11.3	12.1	7.1
Alfalfa seed.....bushels..	3.4	4.1	20.0
Timothy alone.....tons..	1.48	1.06	32.4
Timothy and clover mixed.....tons..	2.00	1.76	-12.0
Clover alone.....tons..	1.76	2.15	22.2
Alfalfa.....tons..	2.22	3.20	48.2
Wild, salt, or prairie grasses.....tons..	1.16	1.14	-0.9
Grains cut green.....tons..	1.36	1.62	11.8
Potatoes.....bushels..	107.9	121.4	12.5
Sugar beets.....tons..	17.04	8.50	-52.6

<sup>1</sup> A minus sign (—) indicates that the yield on irrigated land is less than that on unirrigated land.

All the crops in the table except three, "timothy and clover mixed," "wild, salt, or prairie grasses," and sugar beets, show larger average yields per acre under irrigation than without it in 1909. In the case of all of these except rye, grains cut green, and potatoes, the excess is at least 20 per cent.

In considering these comparisons it should be borne in mind that they are not comparisons of yields on irrigated and on unirrigated land in the same localities, but of yields under irrigation in localities where crops can not be grown successfully without it with yields in localities where irrigation is not necessary. They do not indicate, therefore, the relative advantages of farming with and without irrigation in a given community, but rather give one factor for determining the relative advantages of farming where irrigation is necessary and where it is not necessary for the successful growing of crops.

## COUNTY TABLE.

The next table gives in detail, by counties, the data summarized above, except those relating to crops. For purposes of comparison the total number of farms in the state, the approximate land area of the state, the total land in farms, and the improved land in farms have been included in the table. Clatsop and Columbia Counties did not report any irrigation in 1909, but the number of farms, approximate land area, land in farms, and improved land in farms for these counties are included in the state totals and also in the last column of the table, under the heading "all other counties." These counties are all in the western part of the state, where irrigation was comparatively unimportant. The group of "all other counties" comprises for 1909 and 1910, in addition to the two named, twelve in which there was some irrigation, namely, Benton, Clackamas, Coos, Curry, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, and Yam-

hill. The counties represented under the head of "all other counties" for 1899 in the Twelfth Census Report were not named, but were all in the western section of the state.

Certain enterprises extend into more than one county, and in the case of some of these the reports do not segregate the data by counties. In such cases a distribution has been made according to the best estimates possible from all the information in the possession of the bureau. It is believed that these estimates are approximately correct.

*Change of boundaries.*—In comparing the data secured in 1910 with those of 1900, the following changes in county boundaries should be considered: (1) The organization of Hood River County from a part of Wasco County in 1908, and (2) the annexation of a part of Union County to Baker County in 1902.

# STATISTICS OF IRRIGATION.

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## ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910.

[Comparative data for 1899 in italics.]

		THE STATE.	Baker. <sup>1</sup>	Crook.	Douglas.	Gilliam.	Grant.	Harney.
1	Number of all farms in 1910.....	45,502	1,304	1,355	2,124	432	773	443
2	Number of farms irrigated in 1909.....	6,689	1,051	546	132	51	341	256
3	Per cent of all farms.....	14.7	80.6	40.3	6.2	11.8	44.1	57.8
4	Number of farms irrigated in 1899.....	<i>4,036</i>	<i>694</i>	<i>212</i>	.....	<i>32</i>	<i>227</i>	<i>223</i>
5	Per cent of increase, 1899-1909.....	43.9	.....	157.5	.....	59.4	4.3	12.3
<b>LAND AND FARM AREA</b>								
6	Approximate land area.....acres..	61,188,480	1,958,400	4,977,020	3,150,080	768,640	2,892,800	6,357,120
7	Land in farms.....acres..	11,685,110	297,695	571,000	577,428	434,277	445,170	563,204
8	Improved land in farms.....acres..	4,274,803	137,759	138,354	117,115	235,668	53,045	199,271
9	Acreage irrigated in 1909.....	680,120	120,073	55,900	1,708	3,087	30,069	129,135
10	Per cent of total land area.....	1.1	6.6	6.5	0.1	0.3	1.2	2.0
11	Per cent of land in farms.....	5.9	43.6	9.8	0.3	0.5	8.1	23.0
12	Per cent of improved land in farms.....	16.1	94.1	40.4	1.5	0.9	68.0	64.8
13	Acreage irrigated in 1899.....	<i>333,310</i>	<i>46,764</i>	<i>13,021</i>	.....	<i>1,080</i>	<i>19,632</i>	<i>111,090</i>
14	Per cent of increase, 1899-1909.....	70.7	.....	301.6	.....	92.2	83.7	16.2
15	Acreage enterprises were capable of irrigating in 1910.....	330,526	136,014	111,300	4,600	2,367	38,631	136,621
16	Acreage included in projects.....	2,527,208	241,919	453,811	0,340	3,370	73,678	561,548
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>								
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>								
17	U. S. Reclamation Service, irrigated in 1909.....	22,000	.....	.....	.....	.....	.....	.....
18	Enterprises were capable of irrigating in 1910.....	45,319	.....	.....	.....	.....	.....	.....
19	Included in projects.....	185,000	.....	.....	.....	.....	.....	.....
20	U. S. Indian Service, irrigated in 1909.....	429	.....	9	.....	.....	.....	.....
21	Enterprises were capable of irrigating in 1910.....	439	.....	9	.....	.....	.....	.....
22	Included in projects.....	879	.....	9	.....	.....	.....	.....
23	Carey Act enterprises, irrigated in 1909.....	24,750	.....	24,750	.....	.....	.....	.....
24	Enterprises were capable of irrigating in 1910.....	65,600	.....	65,600	.....	.....	.....	.....
25	Included in projects.....	623,204	60,000	378,038	.....	.....	.....	.....
26	Irrigation districts, irrigated in 1909.....	1,600	.....	.....	.....	.....	.....	.....
27	Enterprises were capable of irrigating in 1910.....	1,600	.....	.....	.....	.....	.....	.....
28	Included in projects.....	5,980	.....	.....	.....	.....	.....	.....
29	Cooperative enterprises, irrigated in 1909.....	149,086	41,853	3,020	.....	.....	1,300	1,280
30	Enterprises were capable of irrigating in 1910.....	169,944	42,008	4,725	.....	.....	1,500	1,280
31	Included in projects.....	399,032	55,150	22,089	.....	.....	2,580	102,600
32	Commercial enterprises, irrigated in 1909.....	77,387	2,188	0,300	.....	.....	.....	53,000
33	Enterprises were capable of irrigating in 1910.....	99,750	2,833	15,000	.....	.....	.....	53,000
34	Included in projects.....	692,467	13,850	20,481	3,000	.....	10,000	341,000
35	Individual and partnership enterprises, irrigated in 1909.....	410,078	85,032	21,731	1,203	.....	34,769	74,555
36	Enterprises were capable of irrigating in 1910.....	454,074	91,173	26,126	1,500	2,087	37,131	82,341
37	Included in projects.....	610,986	113,053	32,594	4,849	3,307	61,998	117,988
<b>ACREAGE IRRIGATED</b>								
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>								
38	Supplied from streams.....	646,806	128,730	55,705	1,080	2,046	35,894	125,103
39	By gravity.....	643,281	128,379	55,447	1,073	1,981	35,894	125,095
40	By pumping.....	3,525	350	258	7	65	.....	.....
41	Supplied from lakes.....	23,738	.....	.....	.....	.....	.....	390
42	By gravity.....	22,915	.....	.....	.....	.....	.....	390
43	By pumping.....	821	.....	.....	.....	.....	.....	.....
44	Supplied from wells.....	1,460	.....	.....	.....	7	1	215
45	Flowing.....	655	4	.....	.....	.....	.....	135
46	By pumping.....	805	60	.....	.....	7	1	80
47	Supplied from springs.....	10,788	397	55	22	34	174	2,543
48	Supplied from reservoirs.....	3,270	473	50	.....	.....	.....	884
49	Total acreage supplied by pumping.....	5,211	420	348	13	72	1	88
<b>IRRIGATION ENTERPRISES</b>								
50	Independent enterprises.....number..	3,745	506	202	107	43	310	228
51	Number in 1899.....	<i>1,305</i>	.....	.....	.....	.....	.....	.....
52	Per cent of increase, 1899-1910.....	100.8	.....	.....	.....	.....	.....	.....
53	Main ditches.....number..	3,582	606	217	86	47	390	143
54	Number in 1899.....	.....	.....	.....	.....	.....	.....	.....
55	Per cent of increase, 1899-1910.....	.....	.....	.....	.....	.....	.....	.....
56	Length.....miles..	5,539	1,175	504	70	54	513	306
57	Length in 1899.....miles..	<i>2,233</i>	.....	.....	.....	.....	.....	.....
58	Per cent of increase, 1899-1910.....	142.6	.....	.....	.....	.....	.....	.....
59	Capacity.....cubic feet per second..	30,686	7,631	2,907	320	202	1,771	1,826
60	Laterals.....number..	2,518	313	21,223	31	96	140	327
61	Length.....miles..	2,052	309	340	8	33	37	151
62	Reservoirs.....number..	271	75	11	4	4	5	28
63	Capacity.....acre-feet..	1,024,206	100,038	11,850	5	2	8	303,140
64	Flowing wells.....number..	51	3	.....	.....	.....	.....	25
65	Capacity.....gallons per minute..	3,035	19	.....	.....	.....	.....	64
66	Pumped wells.....number..	92	4	.....	.....	4	1	1
67	Capacity.....gallons per minute..	20,883	1,003	.....	.....	66	35	400
68	Pumping plants.....number..	229	8	.....	.....	10	1	2
69	Engine capacity.....horsepower..	3,095	159	512	13	43	1	10
70	Pump capacity.....gallons per minute..	118,514	5,904	5,543	53	2,621	35	496
<b>COST</b>								
71	Cost of enterprises up to July 1, 1910.....dollars..	12,760,214	1,440,334	1,901,817	78,127	32,809	241,080	410,980
72	Cost in 1899.....dollars..	<i>1,343,771</i>	<i>208,271</i>	<i>111,090</i>	.....	<i>5,564</i>	<i>83,630</i>	<i>178,865</i>
73	Per cent of increase, 1899-1910.....	592.1	504.4	1,006.0	.....	511.7	171.9	129.8
74	Average cost per acre enterprises were capable of irrigating in 1910.....dollars..	15.36	10.63	17.62	17.36	13.87	6.24	3.01
75	Average cost per acre irrigated in 1899.....dollars..	<i>4.75</i>	<i>4.45</i>	<i>7.93</i>	.....	<i>4.54</i>	<i>4.58</i>	<i>1.61</i>
76	Estimated final cost of existing enterprises.....dollars..	39,210,619	5,272,403	4,842,032	78,127	32,809	250,936	2,501,980
77	Average cost per acre included in projects.....dollars..	15.52	21.79	10.67	8.30	9.73	8.41	4.46
<b>OPERATION AND MAINTENANCE</b>								
78	Acreage for which cost is reported.....	263,855	41,609	31,410	500	.....	500	54,280
79	Total cost reported.....dollars..	198,111	14,843	26,837	2,300	.....	250	8,338
80	Average per acre for which cost is reported.....dollars..	0.76	0.36	0.82	4.60	.....	0.50	0.15
81	Average cost per acre in 1899.....dollars..	<i>0.22</i>	.....	.....	.....	.....	.....	.....
82	Per cent of increase, 1899-1909.....	240.9	.....	.....	.....	.....	.....	.....

<sup>1</sup> Change of boundary. (See explanation at close of text.)

<sup>2</sup> Not reported by counties. Figures relate only to systems obtaining water from streams.

<sup>3</sup> Not reported.



ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

	Hood River.	Jackson.	Josephine.	Klamath.	Lake.	Malheur.	Morrow.	Sherman.
1	744	1,714	855	926	712	801	614	466
2	464	426	401	266	198	622	143	16
3	62.4	24.9	46.9	28.7	27.8	77.7	23.3	3.4
4	(1)	409	235	120	272	479	76	12
5		4.2	70.6	106.2	27.2	29.9	88.2	33.3
<b>LAND AND FARM AREA</b>								
6	347,520	1,815,040	1,120,640	3,839,360	5,068,800	6,325,120	1,296,000	535,040
7	38,049	297,171	121,845	454,340	401,555	230,175	673,997	372,526
8	14,284	103,238	30,969	176,564	104,419	81,901	236,029	273,918
9	8,071	12,239	12,896	46,075	57,078	67,626	7,541	218
10	2.3	0.7	1.1	1.2	1.1	1.1	0.6	(3)
11	21.2	4.1	10.6	10.3	14.2	29.4	1.1	0.1
12	56.5	11.9	41.5	26.6	54.7	82.6	3.2	0.1
13	(1)	7,054	4,121	23,911	61,995	49,295	8,865	112
14		73.5	212.2	96.5	9.8	37.2	95.1	94.6
15	14,150	17,078	14,503	62,785	59,612	79,210	8,116	329
16	48,964	82,427	24,059	208,105	273,546	208,025	14,937	459
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>								
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>								
17				20,000				
18				30,000				
19				100,000				
20				420				
21				430				
22				870				
23								
24						141,597		
25						42,063		
26	1,500							
27	1,500							
28	5,980							
29	4,925	990	3,756	10,215	15,190	22,883		
30	10,835	3,085	4,057	12,660	15,190	25,642		
31	39,300	7,130	6,053	13,380	24,936	66,989		
32		875	445			1,000	849	
33		992	516			2,000	849	
34		55,790	1,596		50,000	20,000	6,369	
35	1,646	10,374	8,665	16,340	41,888	43,743	6,692	218
36	1,815	13,001	9,930	19,395	44,422	51,568	7,267	329
37	3,684	19,517	16,500	33,855	57,013	78,073	8,028	450
<b>ACREAGE IRRIGATED</b>								
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>								
38	7,583	11,650	12,502	21,625	54,192	66,218	7,523	118
39	7,568	11,414	12,342	21,375	54,192	65,204	7,503	30
40	15	242	250	250		954	25	88
41			159	23,000		25		
42				22,500		25		
43			159	500				
44	15	68	32	500			3	15
45		15	1	500				
46	15	63	31				3	15
47	473	510	80	1,790	1,666	799	10	85
48		5	3	60	1,220	584		
49	30	295	440	750		954	25	103
<b>IRRIGATION ENTERPRISES</b>								
50	75	270	209	52	171	330	121	14
51								
52								
53	61	245	221	42	133	311	148	8
54								
55								
56	86	305	220	162	247	645	123	3
57								
58								
59	309	1,748	931	2,064	2,212	4,168	542	4
60	50	53	35	60	99	271	94	
61	68	57	17	160	54	350	27	
62	13	25	19	8	17	42	2	
63	5	45,907	7	181,274	64,001	188,443	1	
64			2	1	20			
65		225	17	2,720				
66	1	14	11				3	2
67	100	5,533	2,200				220	600
68	2	21	32	2		29	4	8
69	10	165	168	224		410	24	70
70	231	19,080	9,881	9,720		26,513	1,125	2,003
<b>COST</b>								
71	361,714	457,936	239,327	1,010,580	769,906	2,032,636	187,716	9,512
72	(1)	78,229	52,267	255,242	135,187	607,485	21,638	822
73		485.4	641.7	748.2	469.5	300.0	772.0	1,057.2
74	25.56	25.47	16.50	30.43	12.92	25.66	23.13	28.91
75	(1)	11.09	7.83	9.42	2.60	10.29	5.57	7.84
76	392,214	1,770,936	239,327	5,110,580	7,338,681	5,057,171	187,716	9,512
77	8.01	21.43	0.95	24.56	26.83	24.31	12.57	20.72
<b>OPERATION AND MAINTENANCE</b>								
78	6,425	1,815	3,885	30,215	15,190	20,983		
79	27,935	10,402	2,900	22,225	1,180	10,966		
80	4.35	5.73	0.75	0.74	0.08	0.52		
81								
82								

1 Change of boundary. (See explanation at close of text.)

2 Decrease.

3 Less than one-tenth of 1 per cent.

# STATISTICS OF IRRIGATION.

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## COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

	Umatilla.	Union. <sup>1</sup>	Wallowa.	Wasco. <sup>1</sup>	Washing- ton.	Wheeler.	All other counties.
1 Number of all farms in 1910.....	2,005	1,309	1,058	1,331	2,871	387	23,278
2 Number of farms irrigated in 1909.....	885	432	293	88	9	184	1,056
3 Per cent of all farms.....	34.2	33.0	27.7	6.6	0.3	47.5	0.3
4 <i>Number of farms irrigated in 1899.....</i>	<i>320</i>	<i>404</i>	<i>178</i>	<i>303</i>		<i>193</i>	<i>184</i>
5 Per cent of increase, 1899-1909.....	108.2		64.0			24.7	251.5
<b>LAND AND FARM AREA</b>							
6 Approximate land area..... acres.....	2,030,720	1,335,080	2,012,800	1,499,520	467,840	1,090,560	12,288,880
7 Land in farms..... acres.....	1,050,258	895,760	854,732	543,754	240,328	415,570	3,206,601
8 Improved land in farms..... acres.....	544,513	165,490	86,040	171,051	107,919	53,306	1,243,844
9 Acreage irrigated in 1909.....	31,022	35,831	39,370	5,703	179	6,253	585
10 Per cent of total land area.....	1.5	2.7	2.0	0.4	( <sup>3</sup> )	0.6	( <sup>3</sup> )
11 Per cent of land in farms.....	3.0	0.1	11.1	1.0	0.1	0.6	( <sup>3</sup> )
12 Per cent of improved land in farms.....	5.7	21.7	45.8	3.3	0.2	11.7	( <sup>3</sup> )
13 <i>Average irrigated in 1899.....</i>	<i>5,168</i>	<i>26,735</i>	<i>14,016</i>	<i>3,346</i>		<i>4,098</i>	<i>1,215</i>
14 Per cent of increase, 1899-1909.....	500.3		190.0			25.1	251.9
15 Acreage enterprises were capable of irrigating in 1910.....	50,213	37,260	42,855	5,080	207	6,083	843
16 Acreage included in projects.....	94,169	45,517	54,692	17,270	562	9,414	101,481
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>							
CLASSIFIED BY CHARACTER OF ENTERPRISE.							
17 U. S. Reclamation Service, irrigated in 1909.....	2,000						
18 Enterprises were capable of irrigating in 1910.....	15,319						
19 Included in projects.....	25,000						
20 U. S. Indian Service, irrigated in 1909.....							
21 Enterprises were capable of irrigating in 1910.....							
22 Included in projects.....							
23 Carey Act enterprises, irrigated in 1909.....							
24 Enterprises were capable of irrigating in 1910.....							
25 Included in projects.....							
26 Irrigation districts, irrigated in 1909.....							
27 Enterprises were capable of irrigating in 1910.....							
28 Included in projects.....							
29 Cooperative enterprises, irrigated in 1909.....	9,058	7,735	27,780				
30 Enterprises were capable of irrigating in 1910.....	10,907	7,735	29,960				
31 Included in projects.....	13,841	8,745	36,879				
32 Commercial enterprises, irrigated in 1909.....	6,750	2,200	3,180				10
33 Enterprises were capable of irrigating in 1910.....	9,150	2,500	3,900				10
34 Included in projects.....	37,341	5,000	7,900	10,000			100,000
35 Individual and partnership enterprises, irrigated in 1909.....	13,214	25,898	8,410	5,703	179	6,253	575
36 Enterprises were capable of irrigating in 1910.....	14,777	27,025	8,995	5,089	207	6,083	833
37 Included in projects.....	17,937	31,772	9,913	7,270	562	9,414	1,451
<b>ACREAGE IRRIGATED</b>							
CLASSIFIED BY SOURCE OF WATER SUPPLY.							
38 Supplied from streams.....	29,406	34,879	30,370	5,538	164	6,177	407
39 By gravity.....	20,213	34,747	30,273	5,453	17	6,032	380
40 By pumping.....	283	132	97	85	147	145	78
41 Supplied from lakes.....	80			80			2
42 By gravity.....							
43 By pumping.....	80			80			2
44 Supplied from wells.....	308	60		48			25
45 Flowing.....							
46 By pumping.....	308	60		48			25
47 Supplied from springs.....	1,048	833		37	15	76	91
48 Supplied from reservoirs.....							
49 Total acreage supplied by pumping.....	761	201	97	213	147	145	105
<b>IRRIGATION ENTERPRISES</b>							
50 Independent enterprises..... number.....	281	225	160	79	8	164	64
51 <i>Number in 1899<sup>4</sup>.....</i>	<i>281</i>	<i>225</i>	<i>160</i>	<i>79</i>	<i>8</i>	<i>164</i>	<i>64</i>
52 Per cent of increase, 1899-1910.....							
53 Main ditches..... number.....	278	104	144	83	7	206	30
54 <i>Number in 1899<sup>6</sup>.....</i>	<i>278</i>	<i>104</i>	<i>144</i>	<i>83</i>	<i>7</i>	<i>206</i>	<i>30</i>
55 Per cent of increase, 1899-1910.....							
56 Length..... miles.....	350	255	240	62	3	104	34
57 <i>Length in 1899<sup>4</sup>.....</i>	<i>350</i>	<i>255</i>	<i>240</i>	<i>62</i>	<i>3</i>	<i>104</i>	<i>34</i>
58 Per cent of increase, 1899-1910.....							
59 Capacity..... cubic feet per second.....	2,267	7,002	1,913	199	26	490	134
60 Laterals..... number.....	293	159	62	106		64	64
61 Length..... miles.....	254	87	56	26		16	2
62 Reservoirs..... number.....	10	1	1	2		1	3
63 Capacity..... acre-feet.....	54,154	1	12,500	1		1,120	3
64 Flowing wells..... number.....							
65 Capacity..... gallons per minute.....							
66 Pumped wells..... number.....	20	12		5			5
67 Capacity..... gallons per minute.....	7,892	2,045		450			390
68 Pumping plants..... number.....	39	22	2	15	5	6	13
69 Engine capacity..... horsepower.....	259	96	50	169	88	60	549
70 Pump capacity..... gallons per minute.....	10,840	4,136	850	3,856	2,475	4,940	7,551
<b>COST</b>							
71 Cost of enterprises up to July 1, 1910..... dollars.....	2,010,161	130,204	198,064	90,167	6,381	70,305	87,452
72 <i>Cost in 1899.....</i>	<i>57,112</i>	<i>80,925</i>	<i>58,930</i>	<i>40,102</i>		<i>24,335</i>	<i>8,547</i>
73 Per cent of increase, 1899-1910.....	5,940.7	65.3	273.8	108.6		213.0	835.6
74 Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....	40.21	3.06	4.62	16.06	30.83	10.03	103.74
75 <i>Average cost per acre irrigated in 1899.....</i>	<i>7.18</i>	<i>3.03</i>	<i>5.73</i>	<i>13.79</i>		<i>4.87</i>	<i>7.69</i>
76 Estimated final cost of existing enterprises..... dollars.....	2,593,387	130,204	211,114	90,167	6,381	70,305	3,012,477
77 Average cost per acre included in projects..... dollars.....	27.54	2.99	3.86	5.37	11.35	8.11	20.60
<b>OPERATION AND MAINTENANCE</b>							
78 Acreage for which cost is reported.....	10,053	9,935	30,900				
79 Total cost reported..... dollars.....	63,061	2,817	4,446				
80 Average per acre for which cost is reported..... dollars.....	3.90	0.28	0.14				
81 <i>Average cost per acre in 1899<sup>4</sup>.....</i>	<i>3.90</i>	<i>0.28</i>	<i>0.14</i>				
82 Per cent of increase, 1899-1909.....							

<sup>1</sup> Not reported by counties.

<sup>2</sup> Not reported.

## CHAPTER 5.

# STATISTICS OF MANUFACTURES FOR THE STATE, CITIES, AND INDUSTRIES.

**Introduction.**—This chapter gives the statistics of manufactures for the state of Oregon for the calendar year 1909, as shown by the Thirteenth Census.

The text summarizes the general results of the census inquiry, presenting a series of special tables in which the main facts printed in the general tables are given in convenient form for the state as a whole and for important industries. It also presents tables in which the statistics for the industries of the state as a whole and for a few important industries are classified by character of ownership, size of establishments, number of wage earners, and prevailing hours of labor, information which could not be presented in general tables for each industry without disclosing the facts for individual establishments.

At the end of the chapter are three general tables.

Table I gives for 1909, 1904, and 1899 the number of establishments and of persons engaged in the industries, primary power, capital, salaries and wages, cost of materials, value of products, and value added by manufacture reported for all industries combined and for certain important industries (1) for the state as a whole and (2) for the city of Portland. It also gives, for 1909, the same items for all industries combined for Salem, the only city having in 1910 a population of over 10,000 but less than 50,000.

Table II gives statistics in detail for 1909 for the state and for a larger number of industries.

Table III gives statistics in detail for 1909 for Portland for all industries combined and selected industries, and for each city having from 10,000 to 50,000 inhabitants for all industries combined.

**Scope of census: Factory industries.**—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of organization, location of establishments, size of establishments, labor force, and similar subjects. When use is made of the data for these purposes it is imperative that due attention should be given to the limitations of the figures. Particularly is this true when the attempt is made to derive from them figures purporting to show average wages, cost of production, or profits. These limitations will be fully discussed in the general report on manufactures for the United States as a whole.

The census of 1909, like that of 1904, was confined to manufacturing establishments conducted under the factory system, as distinguished from the neighborhood, hand, and building industries. Where statistics for 1899 are given they have been reduced to a comparable basis by eliminating the latter classes of industries. The census does not include establishments which were idle during the entire year, or had a value of products of less than \$500, or

the manufacturing done in educational, eleemosynary, and penal institutions, or in governmental establishments, except those of the Federal Government.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for establishments which began or discontinued business during the year.

**The establishment.**—The term "establishment" comprises the factories, mills, or plants which are under a common ownership or control, and for which one set of books of account is kept.

If, however, the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the separate totals might be included in the statistics for each city or state. In some instances separate reports were secured for different industries carried on in the same establishment.

**Classification by industries.**—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

**Selected industries.**—The general tables at the end of this chapter give the principal facts separately for the industries of the state. A selection has been made of the leading industries of the state for more detailed consideration. Sometimes an industry of greater importance than some of those selected is omitted because it comprises so few establishments that these detailed presentations would reveal the operations of individual concerns.

**Comparisons with previous censuses.**—Owing to the changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. Table I, giving comparable figures for 1909, 1904, and 1899, therefore, does not embrace all the industries shown for 1909 in Table II.

**Influence of increased prices.**—In considering changes in cost of materials, value of products, and value added by manufacture, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures can not be taken as an exact measure of increase in the volume of business.

**Persons engaged in industry.**—At the censuses of 1909, 1904, and 1899 the following general classes of persons engaged in manufacturing industries have been distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks, and (5) wage earners. In the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. The second group included the three classes of salaried officers of corporations, superintendents and managers, and clerks. In the present census an entirely different grouping is employed: That into (1) proprietors and officials, (2) clerks, and (3) wage earners. The first group includes proprietors and firm members, salaried officers of corporations, and superintendents and managers.

At this census the number of persons engaged in the industries, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for December 15, or the nearest representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where conditions were exceptional, and particularly in the case of certain seasonal industries, such as canning, the December date could not be accepted as typical and an earlier date had to be chosen.

In the case of employees other than wage earners the number thus reported on December 15, or other representative day, has been treated as equivalent to the average for the year, since the number of employees of this class does not vary much from month to month in a given industry. In the case of wage earners the average is obtained in the manner explained in the next paragraph.

**Wage earners.**—In addition to the report by sex and age of the number of wage earners on December 15, or other representative day, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported each month by 12. The average thus obtained represents the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of any industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given for each separate industry, is not totaled for all industries combined, because in view of the variations of date such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation.

In particular, totals by sex and age for the wage earners reported for the representative day would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners in the state as a whole, the following procedure has been adopted:

The percentage distribution by sex and age of the wage earners in each industry, for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. This percentage has been applied to the average number of wage earners for the year in that industry, to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added up to give the average distribution for the state as a whole.

In 1899 and 1904 the schedule called for the average number of wage earners of each sex 16 years and over, and the total number under 16 years of age, for each month, and these monthly statements were combined in an annual average. Comparatively few manufacturing concerns, however, keep their books in such way as to show readily the number of men, women, and children (under 16) employed each month. These monthly returns by sex and age were, in fact, largely estimates. It was believed that a more accurate and reliable sex and age distribution could be secured by taking as a basis of estimate the actual numbers employed on a single day.

**Prevailing hours of labor.**—The census made no attempt to ascertain the number of employees working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one period to another are disregarded, and

no attention is given to the fact that a limited number of employees may have hours differing from those of the majority. In the tables all the wage earners of each establishment are counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the employees work the same number of hours, so that these figures give a substantially correct picture of the hours of labor in manufacturing industries.

**Capital.**—For reasons stated in prior census reports, the statistics of capital secured by the census canvass are so defective as to be without value, except as indicating very general conditions. The instructions on the schedule for securing capital were as follows:

The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises.

**Materials.**—Cost of materials refers to the materials used during the year, which may be more or less than the materials purchased during the year. The term materials includes fuel, rent of power and heat, mill supplies, and containers, as well as materials forming a constituent part of the product. Fuel includes all fuel used, whether for heat, light, or power, or for the process of manufacture.

**Expenses.**—Under "Expenses" are included all items of expense incident to the year's business, except interest, whether on bonds or other forms of indebtedness, and allowances for depreciation.

**Value of products.**—The value of products for any industry includes the total value of all products manufactured in establishments whose products of chief value fall under the industry designation. The amounts given represent the selling value at the factory of all products manufactured during the year, which may differ from the value of the products sold. Amounts received for work on materials furnished by others are included.

**Value added by manufacture.**—The value of products is not a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing process carried on in the industry itself. Another part of it, and often by far the larger part, represents the value of the materials used, which have been produced by agriculture or mining or by other industrial establishments. For many purposes, therefore, the best measure of the importance of different classes of industry is the value created as the result of the manufacturing operations carried on within the industry. This value is obtained by deducting the cost of the materials consumed from the value of the product. The figure thus obtained is termed in the census reports "value added by manufacture."

There is a further statistical advantage which "value added" has over gross value of products. In combining the value of products for all industries the value of products produced by one establishment and used as materials in another is duplicated, and the total, therefore, gives a greatly exaggerated idea of the wealth created. No such duplication takes place in the total "value added by manufacture."

**Cost of manufacture and profits.**—Census data do not show the entire cost of manufacture, and consequently can not be used to show profits. No account has been taken of interest and depreciation. Even if the amount of profit could be determined by deducting the expenses from the value of the products, the rate of profit on the investment could not properly be calculated, because of the very defective character of the returns regarding capital.

**Primary power.**—The figures given for this item show the total of the primary power used by the establishments. They do not cover the power developed by motors operated by such power, the inclusion of which would evidently result in duplication.

**Location of establishments.**—The Census Bureau has classified establishments by their location in cities or classes of cities. In interpreting these figures due consideration should be given to the fact that often establishments are located just outside the boundaries of cities, and are necessarily so classified, though locally they are looked upon as constituting a part of the manufacturing interests of the cities.

**Laundries.**—The census of 1909 was the first to include statistics of laundries. The reports are confined to establishments using mechanical power. The data are presented separately and are not included in the general total for manufacturing industries.

**Custom sawmills and gristmills.**—In order to make the statistics for 1909 comparable with those for 1904 the data for these mills have been excluded from all the tables presenting general statistics.

**INDUSTRIES IN GENERAL.**

**General character of the state.**—Oregon, with a gross area of 96,699 square miles, of which 1,092 represent water surface, ranks ninth in size among the 49 states and territories of continental United States. Its population in 1910 was 672,765, as compared with 413,536 in 1900 and 317,704 in 1890. It ranked thirty-fifth among the 49 states and territories as regards population in 1910 and thirty-sixth in 1900. The density of population of the state was 7 per square mile in 1910, the corresponding figure for 1900 being 4.3.

Portland, with a population of 207,214, and Salem, with a population of 14,094, are the only cities in the state having more than 10,000 inhabitants. Of the entire population of the state, 45.6 per cent resided in cities and incorporated towns having a population of 2,500 or over in 1910, as against 32.2 per cent in 1900.

The northern and western parts of the state are traversed by trunk-line railways with terminals at Portland, from which city the Willamette and Columbia Rivers afford deep-water communication with the Pacific, making of Portland one of the leading ports of the Pacific coast. The Columbia River, which forms about three-fourths of the northern boundary of the state, affords cheap transportation for the products of the fertile valleys of the northeastern counties, and is the scene of extensive salmon fishing. The large arid area of southeastern Oregon is sparsely settled, lacks manufacturing interests of any impor-

tance, and is very deficient in transportation facilities. The slopes of the Cascades and sections of the northern counties are wooded heavily with an excellent quality of pine and fir. The waters of the numerous mountain streams of the state have been utilized to some extent for the development of power and for purposes of irrigation.

**Importance and growth of manufactures.**—Although Oregon is increasing in importance as a manufacturing state, the growth of its manufacturing industries during the past 60 years has not kept pace with that of its population. In 1849 the 52 manufacturing establishments reported at the census of that year gave employment to an average of 285 wage earners, representing 2.1 per cent of the total population of the state. In 1909 an average of 28,750 wage earners, or 4.3 per cent of the total population, were employed in manufactures. During this period, however, the gross value of products per capita of the total population decreased from \$168 in 1849 to \$138 in 1909, although the proportion which the manufactures of the state represented of the total value of the products of the manufacturing industries of the United States increased during the same time from two-tenths of 1 per cent to four-tenths of 1 per cent.

The following table gives the most important figures relative to all classes of manufactures combined for 1909, 1904, and 1899, together with the percentages of increase from census to census:

	NUMBER OR AMOUNT.			PER CENT OF INCREASE.	
	1909	1904	1899	1904-1909	1899-1904
Number of establishments.....	2,246	1,602	1,406	40.2	13.9
Persons engaged in manufactures.....	34,722	22,018	(1)	57.7	.....
Proprietors and firm members.....	2,499	1,726	(1)	44.8	.....
Salaried employees.....	3,473	1,769	1,143	96.3	54.8
Wage earners (average number).....	28,750	18,523	14,459	55.2	28.1
Primary horsepower.....	175,019	81,348	60,005	115.1	35.6
Capital.....	\$89,082,000	\$44,024,000	\$28,359,000	102.3	55.2
Expenses.....	82,124,000	48,360,000	30,812,000	69.8	57.0
Services.....	23,949,000	13,577,000	8,044,000	76.4	68.8
Salaries.....	4,047,000	2,133,000	1,222,000	89.7	74.5
Wages.....	19,902,000	11,444,000	6,822,000	73.9	67.8
Materials.....	50,552,000	30,597,000	20,789,000	65.2	47.2
Miscellaneous.....	7,623,000	4,186,000	1,979,000	82.1	111.5
Value of products.....	93,005,000	55,525,000	36,593,000	67.5	51.7
Value added by manufacture (value of products less cost of materials).....	42,453,000	24,928,000	15,804,000	70.3	57.7

1 Figures not available.

In 1909 the state of Oregon had 2,246 manufacturing establishments, which gave employment to an average of 34,722 persons during the year and paid

out \$23,949,000 in salaries and wages. Of the persons employed, 28,750 were wage earners. These establishments turned out products to the value of \$93,005,000,

to produce which materials costing \$50,552,000 were utilized. The value added by manufacture was thus \$42,453,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

In general, this table brings out the fact that the manufacturing industries of Oregon as a whole showed a marked growth during the decade 1899-1909, the greater development having taken place during the five-year period 1904-1909. During this period the number of establishments increased 40.2 per cent and

the average number of wage earners 55.2 per cent, while the value of products increased 67.5 per cent, and the value added by manufacture 70.3 per cent. As pointed out in the Introduction, it would be improper to infer that manufactures increased in volume to the full extent indicated by these figures representing values, since the increase shown is certainly due, in part, to the increase that has taken place in the prices of commodities. The relative importance and growth of the leading manufacturing industries of the state are shown in the following table:

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE. <sup>1</sup>			
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	Value of products.		Value added by manufacture.	
								1904-1909	1899-1904	1904-1909	1899-1904
<b>All industries.....</b>	<b>2,246</b>	<b>28,750</b>	<b>100.0</b>	<b>\$93,005,000</b>	<b>100.0</b>	<b>\$42,453,000</b>	<b>100.0</b>	<b>67.5</b>	<b>51.7</b>	<b>70.3</b>	<b>57.7</b>
Lumber and timber products.....	713	15,066	52.4	30,200,000	32.5	17,787,000	40.9	95.9	39.1	86.0	62.3
Flour-mill and gristmill products.....	114	394	1.4	8,891,000	9.6	1,224,000	2.8	5.0	38.0	9.7	16.7
Slaughtering and meat packing.....	14	366	1.3	5,880,000	6.3	895,000	4.3	102.3	77.5	67.3	85.3
Printing and publishing.....	324	1,459	5.1	5,041,000	5.4	3,938,000	9.1	81.6	85.8	85.0	89.1
Butter, cheese, and condensed milk.....	95	420	1.5	4,020,000	5.3	968,000	2.2				
Canning and preserving.....	71	661	2.3	3,207,000	3.4	1,020,000	2.4	10.2	46.0	0.3	46.1
Foundry and machine-shop products.....	82	1,055	3.7	3,135,000	3.4	1,663,000	3.8	97.4	87.3	76.0	81.7
Bread and other bakery products.....	151	613	2.1	2,820,000	3.0	1,208,000	2.8	88.1	93.1	92.0	100.3
Liquors, malt.....	18	204	0.7	1,857,000	2.0	1,403,000	3.2	66.1	56.6	103.6	27.4
Leather goods.....	48	353	1.2	1,620,000	1.8	640,000	1.5	76.1	42.3	67.1	46.7
Copper, tin, and sheet-iron products.....	30	431	1.5	1,611,000	1.7	776,000	1.8				
Confectionery.....	19	283	1.0	1,215,000	1.3	666,000	1.5	220.6	81.3	179.8	110.0
Cars and general shop construction and repairs by steam-railroad companies.....	8	777	2.7	1,163,000	1.2	654,000	1.5	-8.1	23.3	-25.6	62.2
Clothing, men's, including shirts.....	5	544	1.9	1,105,000	1.2	367,000	0.9				
Furniture and refrigerators.....	19	552	1.9	1,094,000	1.2	610,000	1.4	38.5	104.2	35.0	232.4
Woolen, worsted, and felt goods, and wool hats.....	8	469	1.6	920,000	1.0	402,000	0.9	-10.2	15.1	-25.3	24.5
Brick and tile.....	61	385	1.3	675,000	0.7	520,000	1.2	114.3	38.8	106.3	32.6
Shipbuilding, including boat building.....	24	212	0.7	477,000	0.5	273,000	0.0	60.6		56.9	
Tobacco manufactures.....	56	187	0.6	474,000	0.5	303,000	0.7	19.7	171.2	39.0	152.3
Stoves and furnaces, including gas and oil stoves.....	11	80	0.3	351,000	0.4	221,000	0.5	152.5		85.7	
Mattresses and spring beds.....	7	83	0.3	350,000	0.4	130,000	0.3	141.4		135.6	
Marble and stone work.....	23	76	0.3	297,000	0.3	184,000	0.4				
Ice, manufactured.....	25	69	0.2	257,000	0.3	181,000	0.4	18.4	87.1	2.8	81.4
Leather, tanned, curried, and finished.....	8	49	0.2	244,000	0.3	63,000	0.2	-49.7	94.0	-46.6	96.7
All other industries.....	303	3,956	13.8	15,174,000	16.3	6,378,000	14.7				

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (-) denotes decrease. Where the percentages are omitted, comparable figures can not be given.

It should be borne in mind, in considering this table, that the value of products in some of the industries involves a certain amount of duplication, due to the use of the product of one establishment in the industry as material for another establishment.

Although a few industries greatly predominate in importance, it will be seen from Table II on page 666 that there is, on the whole, considerable diversity in the manufacturing activities of the state. The most important industries listed in the table given above, in which they are arranged in the order of the value of products, call for brief consideration.

*Lumber and timber products.*—This industry, which includes the operation of lumber camps, sawmills, shingle mills, planing mills, and establishments engaged in the manufacture of wooden packing boxes, is by far the most important branch of manufacture in the state. Oregon ranked ninth in the total cut of rough lumber in 1909. The industry gave employment to an average of 15,066 wage earners, or 52.4

per cent of the total for the state, and the value of its products amounted to \$30,200,000, or 32.5 per cent of the total value of all manufactured products.

*Flour-mill and gristmill products.*—This industry, which is second in importance among the industries of the state when measured by value of products, is dependent largely upon the extensive grain areas of the state for its raw material. Because of the comparatively simple processes involved in the industry and the extent to which these processes are carried on by machinery, the number of wage earners employed and the value added by manufacture are not commensurate with the gross value of products. This classification does not include custom flour mills and gristmills, statistics for which are shown separately on page 663.

*Slaughtering and meat packing.*—This industry includes wholesale slaughtering and meat packing and the manufacture of sausage. It does not include the retail butcher shops, which slaughter a large number

of animals. In 1909 the industry gave employment to an average of 366 wage earners and turned out products valued at \$5,880,000. The value of products shows an increase over 1904 of 102.3 per cent.

*Printing and publishing.*—This industry in Oregon includes book and job printing, the printing and publishing of newspapers and periodicals, bookbinding and blank-book making, steel and copper plate engraving, including plate printing, and lithographing. The increase in the value of products from 1904 to 1909 was 81.6 per cent, as compared with an increase of 85.8 per cent from 1899 to 1904. The average number of wage earners employed increased during the decade from 840 to 1,459, or 73.7 per cent. Although this industry ranked fourth among the manufacturing industries of the state in value of products in 1909, it ranked second when measured by number of wage earners and by value added by manufacture.

*Butter, cheese, and condensed milk.*—Improvements in machinery and in methods of handling the raw materials have resulted in increasing the average size of the establishments and in the centralization of the industry in the larger business centers. The statistics shown for this industry for 1904 do not include the entire product of the industry, as it was necessary to omit two large condensed-milk establishments to avoid disclosing the operations of individual concerns. The 95 establishments reported under this classification in 1909 may be grouped according to their chief products as follows: Butter factories, 55; cheese factories, 33; and condensed-milk factories, 7.

*Canning and preserving.*—The development of fruit growing and truck gardening in Oregon has greatly increased the activity of the canning and preserving industry since 1904. While there has been a considerable decrease since 1904 in the fish products, which represented about two-thirds of the total value of the output of the canneries in 1909, the rapid increase in the drying of fruits, especially prunes, so increased the total value of products that the industry as a whole showed a gain of 10.2 per cent during the five years.

In addition to the 24 industries presented separately, there are 16 industries which had a value of products in 1909 in excess of \$200,000. They are included under the head of "All other industries" in the table, because in some cases the operations of individual establishments would be disclosed if they were shown separately; in others, because the returns do not properly present the true condition of the industry, as it is interwoven with one or more other industries. These industries are as follows: Awnings, tents, and sails; babbitt metal and solder; bags, other than paper; boxes, fancy and paper; cars and general shop construction and repairs by street-railroad companies; coffee and spice, roasting and grinding; cordage and twine and jute and linen goods; food preparations; gas, illuminating and heating; iron and steel, steel

works and rolling mills; mineral and soda waters; oil, linseed; paint and varnish; paper and wood pulp; soap; and wood preserving.

The rank of the leading industries on the basis of the value added by manufacture differs considerably from their order given in the table, where they are arranged according to the value of products. The lumber industry retains first place, and slaughtering and meat packing third. Printing and publishing advances from fourth to second place; the foundries and machine shops and the malt-liquor industry advance from seventh and ninth to fourth and fifth places, respectively; and the flour mills and gristmills and the butter, cheese, and condensed-milk industry drop from second and fifth to sixth and ninth places, respectively.

This table also shows the percentages of increase for these leading industries in respect to value of products and value added by manufacture in all cases where comparative statistics can be presented. Slaughtering and meat packing, and the manufacture of confectionery, brick and tile, stoves and furnaces, and mattresses and spring beds showed large increases, both in value of products and in value added by manufacture.

Three of the industries shown separately—steam-railroad repair shops, woolen mills, and tanneries—showed decreases in value of products and value added by manufacture from 1904 to 1909.

*Persons engaged in manufacturing industries.*—The following table shows, for 1909, the distribution of the number of persons engaged in manufactures, the average number of wage earners being distributed by sex and age. It should be borne in mind, however, that the sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the Introduction.

CLASS.	PERSONS ENGAGED IN MANUFACTURES.		
	Total.	Male.	Female.
All classes.....	34,722	31,849	2,873
Proprietors and officials.....	3,719	3,037	52
Proprietors and firm members.....	2,490	2,453	46
Salaried officers of corporations.....	344	340	4
Superintendents and managers.....	876	874	2
Clerks.....	2,253	1,702	551
Wage earners (average number).....	28,750	26,480	2,270
10 years of age and over.....	26,652	26,406	2,246
Under 10 years of age.....	68	74	24

The average number of persons engaged in manufactures during 1909 was 34,722, of whom 28,750 were wage earners. Of the remainder, 3,719 were proprietors and officials and 2,253 were clerks. Corresponding figures for individual industries will be found in Table II, page 666.

The following table shows, for 1909, the percentages of proprietors and officials, clerks, and wage earners, respectively, among the total number of persons employed in manufactures. It covers all industries combined and 13 important industries individually.

INDUSTRY.	PERSONS ENGAGED IN MANUFACTURES.			
	Total number.	Per cent of total.		
		Proprietors and officials.	Clerks.	Wage earners (average number).
<b>All industries</b> .....	34,722	10.7	6.5	82.8
Bread and other bakery products.....	905	22.0	10.3	67.7
Butter, cheese, and condensed milk.....	615	16.6	15.1	68.3
Canning and preserving.....	844	14.1	7.6	78.3
Clothing, men's, including shirts.....	570	2.6	3.0	94.4
Confectionery.....	408	7.6	23.0	69.4
Copper, tin, and sheet-iron products.....	525	11.4	6.5	82.1
Flour-mill and gristmill products.....	620	26.8	9.7	63.5
Foundry and machine-shop products.....	1,270	11.1	5.8	83.1
Furniture and refrigerators.....	621	5.2	6.0	88.0
Leather goods.....	484	15.5	11.6	72.9
Liquors, malt.....	272	12.0	12.1	75.0
Lumber and timber products.....	16,853	7.7	2.3	89.5
Printing and publishing.....	2,623	25.3	16.9	57.8
All other industries.....	8,226	9.8	8.6	81.6

Of the total number of persons engaged in all manufacturing industries, 10.7 per cent were proprietors and officials, 6.5 per cent clerks, and 82.8 per cent wage earners. The highest percentage of proprietors and officials shown for any individual industry, 26.8, is for the flour mills and gristmills. In this industry and also in the bakeries and in printing and publishing the majority of the establishments are small and the work is to a large extent done by the proprietors or their immediate representatives, so that the proportion of persons engaged in these industries falling into the class of proprietors and officials is very much higher than for most other industries or for all industries combined. On account of the large average number of wage earners per establishment engaged in making men's clothing and shirts, this industry shows the smallest proportion of proprietors and officials.

The next table shows, for 1909, in percentages, for all industries combined, the distribution of the average number of wage earners by age periods, and for those 16 years of age and over by sex, calculated in the manner described in the Introduction. It also shows, for some of the important industries separately, a similar distribution of wage earners as reported for December 15, or the nearest representative day. As a means of judging the importance of the several industries the average number employed for the year is also given in each case.

For all industries combined, 91.8 per cent of the average number of wage earners were males 16 years of age and over; 7.8 per cent females 16 years of age and over; and three-tenths of 1 per cent children under 16 years of age. The larger part of the total number of female wage earners were employed in the men's clothing and the canning and preserving industries.

In the men's clothing factories nearly nine-tenths of the wage earners were women 16 years of age and over, and in the canneries nearly two-fifths belonged to this class. In the manufacture of confectionery, a large proportion of female wage earners were employed, 67.8 per cent, but the number of women employed was not as large as in the canneries, where the proportion of such wage earners was smaller. The largest percentage of children was employed in the canneries, where much of the work requires but little strength or skill.

INDUSTRY.	WAGE EARNERS.			
	Average number. <sup>1</sup>	Per cent of total.		
		16 years of age and over.		Under 16 years of age.
Male.	Female.			
<b>All industries</b> .....	28,750	91.8	7.8	0.3
Bread and other bakery products.....	613	71.1	28.5	0.3
Butter, cheese, and condensed milk.....	420	91.4	7.6	1.0
Canning and preserving.....	661	59.6	36.9	3.5
Clothing, men's, including shirts.....	544	10.1	89.0	.....
Confectionery.....	283	32.2	67.8	.....
Copper, tin, and sheet-iron products.....	431	92.3	7.7	.....
Flour-mill and gristmill products.....	394	99.7	0.3	.....
Foundry and machine-shop products.....	1,055	100.0	.....	.....
Furniture and refrigerators.....	552	98.7	1.3	.....
Leather goods.....	353	96.6	3.4	.....
Liquors, malt.....	204	100.0	.....	.....
Lumber and timber products.....	15,066	99.6	0.3	0.1
Printing and publishing.....	1,450	83.7	14.3	2.0
All other industries.....	6,715	87.6	11.9	0.4

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction.

In order to compare the distribution of persons engaged in manufactures in 1909 with that shown at the census of 1904 it is necessary to use the classification employed at the earlier census. (See Introduction.) The following table makes this comparison according to occupational status:

CLASS.	PERSONS ENGAGED IN MANUFACTURES.				
	1909		1904		Per cent of increase, 1904-1909.
	Number.	Percent distribution.	Number.	Percent distribution.	
<b>Total</b> .....	34,722	100.0	22,018	100.0	57.7
Proprietors and firm members.....	2,499	7.2	1,726	7.8	44.8
Salaried employees.....	3,473	10.0	1,769	8.0	66.3
Wage earners (average number).....	28,750	82.8	18,523	84.1	55.3

Comparable figures are not obtainable for 1899. The table shows a greater percentage of increase in salaried employees than in that of the other two classes.

The next table shows the average number of wage earners, distributed according to age periods, and in the case of those 16 years of age and over according to sex, for 1909, 1904, and 1899. The averages for 1909 are estimated on the basis of the actual number reported for a single representative day. (See Introduction.)



CLASS.	AVERAGE NUMBER OF WAGE EARNERS.					
	1909		1904		1899	
	Number.	Percent distribution.	Number.	Percent distribution.	Number.	Percent distribution.
Total.....	28,750	100.0	18,523	100.0	14,459	100.0
16 years of age and over...	28,052	99.7	18,317	98.9	14,133	98.1
Male.....	20,406	91.8	16,843	90.9	13,067	90.4
Female.....	2,240	7.8	1,474	8.0	1,116	7.7
Under 16 years of age....	98	0.3	206	1.1	276	1.9

This table indicates that for all industries combined there has been during the past decade a diminution in the number and in the proportion of children under 16 years of age. Although there was an actual increase in the number of women wage earners, the proportion which such wage earners formed of the

total remained practically the same at each census. In 1909 males 16 years of age and over formed 91.8 per cent of all wage earners, as compared with 90.9 per cent in 1904 and 90.4 per cent in 1899.

**Wage earners employed, by months.**—The following table gives the number of wage earners employed on the 15th of each month during the year 1909 for all industries combined, for the canning and preserving and the lumber and timber industries, and for all other industries combined; it gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 666, are shown, for practically all of the important industries in the state, the largest number and also the smallest number of wage earners reported for any month. The figures are for the 15th day, or the nearest representative day, of the month.

MONTH.	WAGE EARNERS.											
	All industries.		Canning and preserving.		Lumber and timber products.					All other industries.		
	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Total.		In mills.		In logging operations.		Number.	Per cent of maximum.
January.....	23,364	75.4	116	7.3	11,545	70.1	8,406	71.1	3,040	66.6	11,693	80.1
February.....	24,833	80.2	113	7.1	12,842	78.0	9,480	79.4	3,362	73.4	11,878	87.4
March.....	26,859	86.7	172	10.8	14,363	87.2	10,427	87.3	3,936	85.7	12,334	90.8
April.....	29,179	94.2	277	17.4	15,067	95.2	11,271	94.8	4,396	96.0	13,236	97.4
May.....	30,302	97.8	524	33.0	16,101	98.4	11,611	97.2	4,590	100.0	13,587	100.0
June.....	30,800	99.4	874	55.0	16,462	100.0	11,947	100.0	4,515	98.6	13,470	99.1
July.....	30,175	97.4	1,102	69.4	15,746	95.6	11,551	96.7	4,195	91.0	13,327	98.1
August.....	30,269	97.7	921	58.0	15,857	96.3	11,567	96.8	4,290	93.7	13,491	99.3
September.....	30,978	100.0	1,588	100.0	16,244	98.7	11,808	99.6	4,436	94.0	13,140	96.8
October.....	30,402	98.1	1,250	78.7	15,960	97.0	11,700	97.9	4,260	93.2	13,183	97.0
November.....	29,423	95.0	580	36.5	15,382	93.4	11,238	94.6	4,084	89.2	13,461	99.1
December.....	28,416	91.7	410	26.4	14,532	88.3	10,007	81.3	3,625	79.1	13,465	99.1

The brick and tile and canning and preserving industries are the only decidedly seasonal industries in Oregon, but neither gives employment to a sufficiently large number of persons to influence greatly the variation of employment in the state. In both industries most of the work is done during the summer months. In the canneries the season of greatest activity extends from June to October, inclusive. Employment was given to 1,588 wage earners in September, the month of greatest activity, and to 113 in February, the month of minimum employment.

The lumber industry in Oregon is not particularly seasonal, and the slight variations in the employment of the large number of wage earners in the industry do not greatly affect the total for all industries. Most of the large mills operate throughout the year, but many of the smaller ones shut down during the winter months, thus causing a fluctuation of nearly 5,000 in the number of wage earners. The greatest number employed in the industry as a whole during any one month was 16,462 in June, and the smallest number, 11,545, in January.

**Prevailing hours of labor.**—In the next table wage earners have been classified according to the hours of labor prevailing in the establishments in which they are employed. In making this classification the average number of wage earners employed during the year is used, and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though a few employees work a greater or less number of hours.

It is evident from the figures that for the great majority of wage earners employed in the manufacturing industries of Oregon the usual hours of labor range from 54 to 60 a week, inclusive, only 14.5 per cent of the total being employed in establishments where less than 54 hours a week prevailed, and only 6.3 per cent in establishments where the hours of labor were more than 60 a week. In two important industries, men's clothing and printing and publishing, most of the wage earners work in establishments where the prevailing hours of labor are 48 or less per week. In the lumber industry, the most important in the state, 91.4 per cent of the wage earners worked in establishments where the prevailing hours were 60 per week.

INDUSTRY.	AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK.								
	Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
All industries.....	28,760	3,398	762	3,880	1,030	17,861	1,485	194	142
Bread and other bakery products.....	613	50	31	108	221	161	32	6	4
Brick and tile.....	385	43	.....	96	8	238	.....	.....	.....
Butter, cheese, and condensed milk.....	420	34	12	72	36	66	168	.....	2
Canning and preserving.....	661	15	28	134	.....	280	172	1	31
Cars and general shop construction and repairs by steam-railroad companies.....	777	19	.....	697	.....	21	40	.....	.....
Clothing, men's, including shirts.....	544	538	.....	.....	6	.....	.....	.....	.....
Confectionery.....	283	19	75	24	127	37	1	.....	.....
Copper, tin, and sheet-iron products.....	431	188	1	98	7	137	.....	.....	.....
Flour-mill and gristmill products.....	394	7	.....	11	.....	280	15	80	1
Foundry and machine-shop products.....	1,055	36	122	802	17	78	.....	.....	.....
Furniture and refrigerators.....	552	.....	36	9	8	490	.....	.....	.....
Ice, manufactured.....	60	10	.....	2	3	9	9	14	22
Leather goods.....	353	10	4	281	7	51	.....	.....	.....
Liquors, malt.....	204	170	.....	2	19	12	1	.....	.....
Lumber and timber products.....	15,066	360	105	243	186	13,766	393	.....	13
Marble and stone work.....	76	72	.....	2	.....	2	.....	.....	.....
Mattresses and spring beds.....	83	.....	.....	47	.....	36	.....	.....	.....
Printing and publishing.....	1,450	1,188	81	166	7	13	4	.....	.....
Shipbuilding, including boat building.....	212	181	2	27	.....	2	.....	.....	.....
Slaughtering and meat packing.....	306	.....	.....	.....	.....	340	5	5	16
Stoves and furnaces, including gas and oil stoves.....	86	27	5	29	25	.....	.....	.....	.....
Tobacco manufactures.....	187	184	2	.....	.....	1	.....	.....	.....
Woolen, worsted, and felt goods, and wool hats.....	469	.....	.....	3	.....	466	.....	.....	.....
All other industries.....	4,005	245	258	1,027	353	1,336	645	88	53

**Location of establishments.**—The following table shows the extent to which the manufactures of Oregon are centralized in cities of 10,000 population or over. (See Introduction.) The comparison is confined here, as in other states, to the years 1899 and 1909, in the absence of a Federal census of population by which the grouping of cities in 1904 could be determined.

ITEM.	Year.	Total.	LOCATION OF ESTABLISHMENTS.		PER CENT OF TOTAL.	
			In cities with population of 10,000 and over.	Outside districts.	In cities with population of 10,000 and over.	Outside districts.
Population.....	1910	672,765	221,308	451,457	32.9	67.1
	1900	413,536	90,426	323,110	21.9	78.1
Number of establishments.	1909	2,246	711	1,535	31.7	68.3
	1899	1,406	408	998	29.0	71.0
Average number of wage earners.	1909	28,750	12,811	15,939	44.6	55.4
	1899	14,459	5,380	9,079	37.2	62.8
Value of products....	1909	\$93,004,845	\$49,068,798	\$43,936,047	52.8	47.2
	1899	36,592,714	16,903,707	19,689,007	46.2	53.8
Value added by manufacture.	1909	42,452,375	21,815,981	20,636,394	51.4	48.6
	1899	15,803,881	6,726,379	9,077,502	42.6	57.4

In 1909, 52.8 per cent of the total value of products was reported from the cities of Portland and Salem, the only cities in the state having over 10,000 population, and 44.6 per cent of the total number of wage earners were employed in these cities. There has been a change from the supremacy of the outside manufacturing districts in 1899 to that of the cities in 1909. This is due partly to the fact that Salem had a population of less than 10,000 in 1900 and was not included in the city group until 1909, but chiefly to the marked

growth of the industries in the city of Portland, this city alone reporting slightly more than one-half of the total value of products for the state in 1909. The large percentages shown for the outside districts are resultant largely from the activity in the lumber industry.

The population for 1910 and 1900 of the two cities which had 10,000 inhabitants or over in 1910 is given in the following tabular statement:

CITY.	1910	1900
Portland.....	207,214	90,426
Salem.....	14,004	4,288

The following table shows the average number of wage earners and the value of products for Portland for 1909, 1904, and 1899, and for Salem for 1909:

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1909	1904	1899	1909	1904	1899
Portland.....	12,214	8,171	5,380	\$46,860,767	\$28,651,321	\$16,903,707
Salem.....	597	(1)	(1)	2,208,031	(1)	(1)

1 Figures not available.

Portland, the largest and by far the most important city in the state, shows an increase, from 1904 to 1909, of \$18,209,446, or 63.6 per cent, in value of products and of 4,043, or 49.5 per cent, in the average number of wage earners. When measured by value of products, the lumber industry was the most important branch of manufactures in Portland. In 1909 the value of products of this industry in this city amounted to \$10,110,975, representing 33.5 per cent

of the total for the industry in the state, and employment was given to an average of 3,669 wage earners, or 24.4 per cent of the total number engaged in the industry in the state. In 1909 Portland reported nearly three-fourths of the total value of products for printing and publishing in the state; over three-fourths that for the bakeries; more than four-fifths that for the foundries and machine shops, for the manufacture of copper, tin, and sheet-iron products, and for the leather-goods industry; and over nine-tenths those for the confectionery and furniture industries, respectively. The manufacture of men's clothing in the state was confined to Portland.

Statistics of manufactures for Salem are shown for the first time in 1909; therefore no comparison can be made with former censuses. The most important

industries in the city in that year were the lumber industry, the canneries, slaughtering and meat packing, the woolen-goods industry, printing and publishing, and the malt-liquor industry.

Character of ownership.—The table that follows has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given covering the censuses of 1909 and 1904. Comparative data for 1899 are not available. Figures for 1909 only are presented for several important industries individually. In order to avoid disclosing the operations of individual concerns, it is necessary to omit several important industries from this table and the one following.

INDUSTRY AND CHARACTER OF OWNERSHIP.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.	INDUSTRY AND CHARACTER OF OWNERSHIP.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>ALL INDUSTRIES:</b>					<b>Canning and preserving, 1909—</b>				
1909.....	2,246	28,760	\$93,004,848	\$42,452,375	Continued.				
1904.....	1,602	18,523	55,525,123	24,928,380	Per cent of total.....	100.0	100.0	100.0	100.0
Individual:					Individual.....	32.4	12.4	5.7	7.8
1909.....	1,031	3,552	11,482,192	5,774,303	Firm.....	18.3	8.2	4.5	6.2
1904.....	746	2,910	8,414,059	4,280,027	Corporation <sup>1</sup> .....	49.3	70.4	89.0	86.0
Firm:					<b>Flour-mill and gristmill products, 1909</b>				
1909.....	545	3,044	9,860,644	5,204,778	Individual.....	114	394	\$8,891,001	\$1,224,285
1904.....	430	2,559	6,972,525	3,449,783	Individual.....	45	88	1,845,411	304,044
Corporation:					Firm.....	24	47	1,005,993	194,134
1909.....	640	22,063	70,781,269	31,212,265	Corporation.....	45	250	6,039,597	720,087
1904.....	400	13,037	40,034,288	17,178,323	Per cent of total.....	100.0	100.0	100.0	100.0
Other:					Individual.....	30.5	22.3	20.8	24.8
1909.....	30	91	880,740	200,969	Firm.....	21.1	11.0	11.3	15.9
1904.....	8	8	104,251	14,227	Corporation.....	39.5	65.7	67.0	59.3
Per cent of total:					<b>Foundry and machine-shop products, 1909</b>				
1909.....	100.0	100.0	100.0	100.0	Individual.....	82	1,055	\$3,135,068	\$1,663,469
1904.....	100.0	100.0	100.0	100.0	Individual.....	31	170	562,277	293,631
Individual:					Firm.....	18	85	234,031	140,652
1909.....	45.9	12.4	12.3	13.0	Corporation.....	33	800	2,337,860	1,220,186
1904.....	40.0	15.8	15.2	17.2	Per cent of total.....	100.0	100.0	100.0	100.0
Firm:					Individual.....	37.8	16.1	17.0	17.7
1909.....	24.3	10.0	10.6	12.4	Firm.....	22.0	8.1	7.5	8.5
1904.....	27.4	13.8	12.5	13.8	Corporation.....	40.2	75.8	74.0	73.0
Corporation:					<b>Lumber and timber products, 1909</b>				
1909.....	28.5	76.7	76.1	73.5	Individual.....	713	15,066	\$30,199,857	\$17,786,420
1904.....	25.5	70.4	72.1	68.9	Individual.....	203	1,178	2,038,730	1,430,000
Other:					Firm.....	246	1,584	2,918,721	1,690,100
1909.....	1.3	0.3	0.9	0.5	Corporation.....	204	12,304	25,212,397	14,354,320
1904.....	0.5	( <sup>1</sup> )	0.2	0.1	Per cent of total.....	100.0	100.0	100.0	100.0
<b>Butter, cheese, and condensed milk, 1909</b>					Individual.....	36.9	7.8	6.8	8.1
Individual.....	95	420	\$4,920,462	\$968,242	Firm.....	34.5	10.5	9.7	11.2
Individual.....	29	53	928,188	148,068	Corporation.....	28.6	81.7	83.5	80.7
Firm.....	12	26	555,283	103,892	<b>Printing and publishing, 1909</b>				
Corporation.....	34	309	2,761,391	652,310	Individual.....	324	1,459	\$5,040,523	\$3,937,110
Other.....	20	35	675,600	63,953	Individual.....	200	375	1,108,857	904,168
Per cent of total.....	100.0	100.0	100.0	100.0	Firm.....	47	138	371,464	288,325
Individual.....	30.5	12.0	18.9	15.3	Corporation.....	69	912	3,410,957	2,621,024
Firm.....	12.6	6.2	11.3	10.7	Other.....	8	34	140,245	120,703
Corporation.....	35.8	72.9	56.1	67.4	Per cent of total.....	100.0	100.0	100.0	100.0
Other.....	21.1	8.3	13.7	6.6	Individual.....	61.7	25.7	22.0	23.0
<b>Canning and preserving, 1909</b>					Firm.....	14.5	9.5	7.4	7.3
Individual.....	71	661	\$3,207,060	\$1,019,628	Corporation.....	21.3	62.5	67.8	66.6
Individual.....	23	82	181,279	79,190	Other.....	2.5	2.3	2.8	3.1
Firm.....	13	54	143,813	63,042					
Corporation <sup>2</sup> .....	35	525	2,881,965	877,390					

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Includes the group "Other," to avoid disclosure of individual operations.

The most important distinction shown is that between corporate and all other forms of ownership. For all industries combined, 28.5 per cent of the total number of establishments in 1909 were under corporate ownership, as against 71.5 per cent under all other forms. The corresponding figures for 1904 were 25.5 per cent and 74.5 per cent, respectively. The

establishments operated by corporations, however, reported 76.1 per cent of the total value of products in 1909 and 72.1 per cent in 1904. The greatest decrease in relative numerical importance from 1904 to 1909 is shown for the establishments operated by firms, which represented only 24.3 per cent of the total number in 1909, as compared with 27.4 per cent in 1904

Size of establishment.—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it the following table groups the establishments according to the value of their products. The table also shows the average size of

establishments for all industries combined and for certain important industries separately, as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries combined are shown for the last two censuses, while for the individual industries figures are given for 1909 only.

INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.	INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>ALL INDUSTRIES:</b>					<b>Flour-mill and gristmill products, 1909</b>				
1909.....	2,246	28,750	\$93,004,846	\$42,452,375	Less than \$5,000.....	114	394	\$8,891,001	\$1,224,265
1904.....	1,602	18,523	55,525,123	24,028,360	\$5,000 and less than \$20,000.....	8	6	27,503	7,632
Less than \$5,000:					\$20,000 and less than \$100,000.....	35	28	445,286	98,225
1909.....	789	957	1,026,913	1,343,938	\$100,000 and less than \$1,000,000 <sup>1</sup> .....	55	134	2,782,062	528,851
1904.....	584	747	1,529,491	1,040,730	Average per establishment.....	16	226	5,635,250	589,557
\$5,000 and less than \$20,000:					Per cent of total.....	100.0	100.0	100.0	100.0
1909.....	766	3,214	8,203,981	5,082,474	Less than \$5,000.....	7.0	1.5	0.3	0.6
1904.....	507	2,820	5,821,749	3,658,370	\$5,000 and less than \$20,000.....	30.7	7.1	5.0	8.0
\$20,000 and less than \$100,000:					\$20,000 and less than \$100,000.....	48.2	34.0	31.3	43.2
1909.....	482	7,104	21,453,056	10,626,540	\$100,000 and less than \$1,000,000 <sup>1</sup> .....	14.0	57.4	63.4	48.2
1904.....	332	5,228	14,162,072	6,000,113	Average per establishment.....	3	3	\$77,091	\$10,730
\$100,000 and less than \$1,000,000:					<b>Foundry and machine-shop products, 1909</b>				
1909.....	181	15,110	47,022,078	20,760,801	Less than \$5,000.....	82	1,055	\$3,135,068	\$1,663,469
1904.....	114	8,620	26,138,494	11,579,067	Less than \$5,000.....	15	11	32,724	20,548
\$1,000,000 and over:					\$5,000 and less than \$20,000.....	29	111	331,415	207,063
1909.....	8	2,365	14,308,817	4,632,613	\$20,000 and less than \$100,000.....	30	387	1,047,323	507,345
1904.....	5	1,108	7,873,317	1,680,162	\$100,000 and less than \$1,000,000.....	8	546	1,723,606	838,513
Per cent of total:					Per cent of total.....	100.0	100.0	100.0	100.0
1909.....	100.0	100.0	100.0	100.0	Less than \$5,000.....	18.3	1.0	1.0	1.2
1904.....	100.0	100.0	100.0	100.0	\$5,000 and less than \$20,000.....	35.4	10.5	10.6	12.4
Less than \$5,000:					\$20,000 and less than \$100,000.....	36.6	36.7	33.4	35.0
1909.....	35.1	3.3	2.1	3.2	\$100,000 and less than \$1,000,000.....	9.8	51.8	55.0	50.4
1904.....	36.5	4.0	2.8	4.2	Average per establishment.....	13	13	\$38,233	\$20,286
\$5,000 and less than \$20,000:					<b>Lumber and timber products, 1909</b>				
1909.....	35.0	11.2	8.8	12.0	Less than \$5,000.....	713	15,066	\$30,199,857	\$17,786,420
1904.....	35.4	15.2	10.5	14.7	Less than \$5,000.....	284	484	646,974	521,251
\$20,000 and less than \$100,000:					\$5,000 and less than \$20,000.....	224	1,382	2,210,788	1,614,397
1909.....	21.5	24.7	23.1	25.0	\$20,000 and less than \$100,000.....	130	3,493	6,210,660	4,210,587
1904.....	20.7	28.2	25.5	28.0	\$100,000 and less than \$1,000,000.....	63	8,538	17,309,242	9,563,248
\$100,000 and less than \$1,000,000:					\$1,000,000 and over.....	3	1,160	3,732,193	1,807,037
1909.....	8.1	52.6	50.6	48.9	Per cent of total.....	100.0	100.0	100.0	100.0
1904.....	7.1	46.5	47.1	46.5	Less than \$5,000.....	39.8	3.2	2.1	2.9
\$1,000,000 and over:					\$5,000 and less than \$20,000.....	31.4	9.2	7.3	9.1
1909.....	0.4	8.2	15.5	10.9	\$20,000 and less than \$100,000.....	19.5	23.2	20.6	23.7
1904.....	0.3	6.0	14.2	6.7	\$100,000 and less than \$1,000,000.....	8.8	56.7	57.6	53.8
Average per establishment:					\$1,000,000 and over.....	0.4	7.8	12.4	10.5
1909.....	13	13	\$41,409	\$18,901	Average per establishment.....	21	21	\$42,356	\$24,946
1904.....	12	12	34,690	15,501	<b>Printing and publishing, 1909</b>				
<b>Butter, cheese, and condensed milk, 1909</b>					Less than \$5,000.....	324	1,459	\$5,040,523	\$3,937,110
Less than \$5,000.....	95	420	\$4,920,462	\$968,242	Less than \$5,000.....	171	168	437,672	348,614
\$5,000 and less than \$20,000.....	16	6	45,021	9,500	\$5,000 and less than \$20,000.....	117	430	1,212,096	971,398
\$20,000 and less than \$100,000.....	27	33	345,779	54,003	\$20,000 and less than \$100,000.....	30	396	1,174,676	874,804
\$100,000 and less than \$1,000,000.....	40	104	1,834,374	248,058	\$100,000 and less than \$1,000,000 <sup>1</sup> .....	6	465	2,210,070	1,742,294
Average per establishment.....	12	277	2,605,288	655,781	Per cent of total.....	100.0	100.0	100.0	100.0
Per cent of total.....	100.0	100.0	100.0	100.0	Less than \$5,000.....	52.8	11.5	8.7	8.9
Less than \$5,000.....	16.8	1.4	0.9	1.0	\$5,000 and less than \$20,000.....	36.1	29.5	24.0	24.7
\$5,000 and less than \$20,000.....	28.4	7.0	7.0	5.6	\$20,000 and less than \$100,000.....	9.3	27.1	23.3	22.2
\$20,000 and less than \$100,000.....	42.1	24.8	37.3	25.7	\$100,000 and less than \$1,000,000 <sup>1</sup> .....	1.9	31.9	44.0	44.3
\$100,000 and less than \$1,000,000.....	12.6	66.0	54.8	67.7	Average per establishment.....	4	4	\$15,557	\$12,152
Average per establishment.....	4	4	\$51,794	\$10,102	<b>Canning and preserving, 1909</b>				
<b>Canning and preserving, 1909</b>					Less than \$5,000.....	71	661	\$3,207,060	\$1,019,028
Less than \$5,000.....	25	36	59,234	26,195	Less than \$5,000.....	25	36	59,234	26,195
\$5,000 and less than \$20,000.....	17	98	194,061	78,701	\$5,000 and less than \$20,000.....	17	98	194,061	78,701
\$20,000 and less than \$100,000.....	19	264	1,025,182	355,999	\$20,000 and less than \$100,000.....	19	264	1,025,182	355,999
\$100,000 and less than \$1,000,000.....	10	263	1,928,583	558,733	\$100,000 and less than \$1,000,000.....	10	263	1,928,583	558,733
Per cent of total.....	100.0	100.0	100.0	100.0	Per cent of total.....	100.0	100.0	100.0	100.0
Less than \$5,000.....	35.2	5.4	1.8	2.6	Less than \$5,000.....	35.2	5.4	1.8	2.6
\$5,000 and less than \$20,000.....	23.0	14.8	6.1	7.7	\$5,000 and less than \$20,000.....	23.0	14.8	6.1	7.7
\$20,000 and less than \$100,000.....	26.8	39.9	32.0	34.9	\$20,000 and less than \$100,000.....	26.8	39.9	32.0	34.9
\$100,000 and less than \$1,000,000.....	14.1	39.8	60.1	54.8	\$100,000 and less than \$1,000,000.....	14.1	39.8	60.1	54.8
Average per establishment.....	9	9	\$45,170	\$14,361	Average per establishment.....	9	9	\$45,170	\$14,361

<sup>1</sup> Includes the group "\$1,000,000 and over."

This table shows that, in 1909, of the 2,246 manufacturing establishments in the state, only 8 had a value of products exceeding \$1,000,000. These establishments, however, employed an average of 2,365 wage earners, or 8.2 per cent of the total number in all establishments, and reported 15.5 per cent of the total value of products and 10.9 per cent of the total value added by manufacture.

On the other hand, the very small establishments—that is, those having a value of products of less than \$5,000—constituted a considerable proportion (35.1

per cent) of the total number of establishments, but the value of their products amounted to only 2.1 per cent of the total. The bulk of the manufacturing was reported by establishments having a product valued at not less than \$100,000.

It will be seen from the above table that during the five years from 1904 to 1909 there was a considerable increase, as measured by value of products, in the relative importance of the large establishments—those reporting products valued at not less than \$100,000—and a decrease in that of the three other classes.

The fact that from 1904 to 1909 the average value of products per establishment increased from \$34,660 to \$41,409, and the average value added by manufacture from \$15,561 to \$18,901, can not be taken as in itself indicating a tendency toward concentration. The increased values shown may be, and probably are, due in part to the increase that has taken place in the prices of commodities. The average number of wage earners per establishment increased from 12 in 1904 to 13 in 1909.

In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed. The next table shows, for 1909, such a classification for all industries combined and for 13 important industries individually, and gives not only the number of establishments falling into each group, but also the average number of wage earners employed.

INDUSTRY.	Total.	ESTABLISHMENTS EMPLOYING--								
		No wage earners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage earners.	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage earners.
NUMBER OF ESTABLISHMENTS.										
<b>All industries</b> .....	<b>2,246</b>	<b>232</b>	<b>1,310</b>	<b>449</b>	<b>141</b>	<b>59</b>	<b>39</b>	<b>13</b>	<b>3</b>	
Bread and other bakery products.....	151	31	103	13	2	1	1			
Butter, cheese, and condensed milk.....	95	10	71	10	2	2				
Canning and preserving.....	71	1	46	17	5	1				
Clothing, men's, including shirts.....	5		1	1						
Confectionery.....	19		10	6	2	1	1			
Copper, tin, and sheet-iron products.....	30	3	21	10	4	1				
Flour-mill and gristmill products.....	114	15	86	9	3	1				
Foundry and machine-shop products.....	82	4	37	30	7	3				
Furniture and refrigerators.....	19	1	7	5	2	2				
Leather goods.....	48	3	33	6	5	1				
Liquors, malt.....	18	1	8	7	1					
Lumber and timber products.....	713	26	377	178	68	31	21	11	1	
Printing and publishing.....	324	72	195	49	4	3	1			
All other industries.....	548	65	315	108	30	10	11	1	2	
AVERAGE NUMBER OF WAGE EARNERS.										
<b>All industries</b> .....	<b>28,750</b>		<b>2,938</b>	<b>4,757</b>	<b>4,729</b>	<b>4,225</b>	<b>5,044</b>	<b>4,335</b>	<b>1,822</b>	
Bread and other bakery products.....	613		173	134	60	68	178			
Butter, cheese, and condensed milk.....	420		127	110	68	125				
Canning and preserving.....	661		118	228	172	143				
Clothing, men's, including shirts.....	544		1	6		66	150	321		
Confectionery.....	283		23	98	88	74				
Copper, tin, and sheet-iron products.....	431		54	96	147		134			
Flour-mill and gristmill products.....	394		180	86	73	55				
Foundry and machine-shop products.....	1,055		95	301	247	194	218			
Furniture and refrigerators.....	652		19	47	66	130	281			
Leather goods.....	353		69	40	176	60				
Liquors, malt.....	204		16	99	23	66				
Lumber and timber products.....	15,066		863	1,914	2,380	2,277	3,094	3,744	704	
Printing and publishing.....	1,459		416	497	118	208	220			
All other industries.....	6,715		784	1,002	1,121	751	1,600	270	1,028	
PER CENT OF AVERAGE NUMBER OF WAGE EARNERS.										
<b>All industries</b> .....	<b>100.0</b>		<b>10.2</b>	<b>16.5</b>	<b>16.4</b>	<b>14.7</b>	<b>20.7</b>	<b>15.1</b>	<b>6.3</b>	
Bread and other bakery products.....	100.0		28.2	21.9	0.8	11.1	20.0			
Butter, cheese, and condensed milk.....	100.0		30.2	26.2	13.8	20.8				
Canning and preserving.....	100.0		17.9	34.5	26.0	21.0				
Clothing, men's, including shirts.....	100.0		0.2	1.1		12.1	27.6	56.0		
Confectionery.....	100.0		8.1	34.0	31.1	20.1				
Copper, tin, and sheet-iron products.....	100.0		12.5	22.3	34.1		31.1			
Flour-mill and gristmill products.....	100.0		45.7	21.8	18.5	14.0				
Foundry and machine-shop products.....	100.0		0.0	28.5	23.4	18.4	20.7			
Furniture and refrigerators.....	100.0		3.4	8.5	12.0	25.2	50.0			
Leather goods.....	100.0		19.5	13.9	49.9	16.7				
Liquors, malt.....	100.0		7.8	48.5	11.3	32.4				
Lumber and timber products.....	100.0		5.7	12.7	15.8	15.1	20.5	24.8	5.3	
Printing and publishing.....	100.0		28.5	34.1	8.1	14.3	15.1			
All other industries.....	100.0		11.7	16.3	16.7	11.2	24.9	4.0	15.3	

Of the 2,246 establishments reported for all industries, 10.3 per cent employed no wage earners; 58.3 per cent, from 1 to 5; 20 per cent, 6 to 20; and 6.3 per cent, 21 to 50. The most numerous single group consists of the 1,310 establishments employing from 1 to 5 wage earners, and the next of the 449 establishments employing from 6 to 20 wage earners. There were 114 establishments that employed over 50 wage earners each, 55 employed over 100 each, 16 employed over 250 each, and 3 employed over 500

each. Of the 55 establishments that employed over 100 wage earners each, 33 were engaged in the lumber industry.

Of the total number of wage earners, 42.1 per cent were in establishments employing over 100 wage earners each. The single group having the largest number of wage earners was the group comprising the establishments employing from 101 to 250 wage earners. This group employed 5,944 wage earners, or 20.7 per cent of the total.

**Expenses.**—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the cost of manufacture and profits. Facts of interest can, however, be brought out concerning the relative importance of the different classes of expenses which make up the total.

The following table shows, for 1909, in percentages, the distribution of expenses among the classes indicated for all industries combined and for certain important industries separately. The figures on which the percentages are based appear in Table II.

INDUSTRY.	PER CENT OF TOTAL EXPENSES REPORTED.			
	Salaries.	Wages.	Materials.	Miscellaneous expenses.
All industries.....	4.9	24.2	61.6	9.3
Bread and other bakery products.....	3.3	18.6	68.6	9.5
Butter, cheese, and condensed milk.....	2.8	6.3	80.0	4.8
Canning and preserving.....	5.0	10.9	75.4	8.7
Clothing, men's, including shirts.....	2.7	22.6	70.0	4.7
Confectionery.....	9.4	14.3	56.8	19.5
Copper, tin, and sheet-iron products.....	3.8	25.0	59.0	12.3
Flour-mill and gristmill products.....	1.7	3.3	92.3	2.7
Foundry and machine-shop products.....	6.6	32.3	53.3	7.8
Furniture and refrigerators.....	6.3	32.6	48.9	12.2
Leather goods.....	6.3	17.9	67.5	8.4
Liquors, malt.....	7.3	16.8	37.1	38.8
Lumber and timber products.....	4.8	38.4	46.9	10.0
Printing and publishing.....	14.7	38.1	29.0	18.3
All other industries.....	4.7	19.1	67.0	8.5

This table shows that for all industries combined 61.6 per cent of the total expenses was incurred for materials, 29.1 per cent for services—that is, salaries and wages—and 9.3 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. Among the industries shown separately, printing and publishing shows the largest percentage of expenses for services and flour milling and grist milling the largest for materials. The largest percentage for miscellaneous expenses was reported by the breweries, owing to the inclusion of the internal-revenue tax under this head.

**Engines and power.**—The following table shows, for all industries combined, the number of engines or other motors, according to their character, employed in generating power (including electric motors operated by purchased current), and their total horsepower at the censuses of 1909, 1904, and 1899. It also shows separately the number and horsepower of electric motors, including those operated by current generated in the manufacturing establishments.

Fifty-five and four-tenths per cent of the total increase in power from 1904 to 1909 is due to the increase in that used in the lumber industry alone. The largest actual increase was in steam power, which in 1909 represented 64.1 per cent of the primary power. Water power

more than doubled, and represented 27.1 per cent of the total in 1909. The practice of renting electric power has increased greatly during the decade, the proportion of such power having increased from 3.7 per cent of the total in 1899 to 8.4 per cent in 1909. In 1904 electric power generated in the manufacturing establishments reporting formed only 9.5 per cent of the total electric power reported, while in 1909 it formed 28.8 per cent, having increased from 496 horsepower in 1904 to 5,991 in 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.			PER CENT DISTRIBUTION OF HORSEPOWER.		
	1909	1904	1899 <sup>1</sup>	1909	1904	1899 <sup>1</sup>	1909	1904	1899
<b>Primary power, total.....</b>	<b>3,442</b>	<b>1,318</b>	<b>1,184</b>	<b>175,019</b>	<b>81,348</b>	<b>60,005</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Owned.....	1,924	1,318	1,184	100,110	70,543	57,444	91.5	94.1	95.7
Steam.....	1,572	1,008	883	112,244	55,512	37,980	64.1	68.2	63.3
Gas.....	81	58	36	428	371	195	0.2	0.5	0.3
Water wheels.....	237	207	205	47,041	20,526	19,263	26.9	25.2	32.1
Water motors.....	31	45	(?)	397	134	(?)	0.2	0.2	(?)
Other.....									
Rented.....	1,521	(?)	(?)	14,909	4,805	2,501	8.5	5.9	4.3
Electric.....	1,521			14,811	4,727	2,243	8.4	5.8	3.7
Other.....		(?)	(?)	98	78	318	0.1	0.1	0.5
<b>Electric motors.....</b>	<b>1,745</b>	<b>31</b>	<b>27</b>	<b>20,802</b>	<b>5,223</b>	<b>2,690</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Run by current generated by establishment.....	224	31	27	5,991	406	447	28.8	9.5	16.6
Run by rented power.....	1,521	(?)	(?)	14,811	4,727	2,243	71.2	90.5	83.4

<sup>1</sup> Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.  
<sup>2</sup> Not reported.

**Fuel.**—Closely related to the question of kind of power employed is that of the fuel consumed in generating this power or otherwise used as material in the manufacturing processes.

The following table shows the quantity of each kind of fuel used in 1909 for all industries combined and for certain selected industries:

INDUSTRY.	Anthracite coal (tons).	Bituminous coal (tons).	Coke (tons).	Wood (cords).	Oil, including gasoline (barrels).	Gas (1,000 feet).
All industries.....	462	18,158	5,808	116,782	599,121	25,821
Bread and other bakery products.....	36	344	226	4,415	9,102	6,137
Butter, cheese, and condensed milk.....	144	1,006	35	11,544	11,040	.....
Canning and preserving.....	18	122	.....	7,520	8,680	.....
Clothing, men's, including shirts.....	.....	80	.....	96	924	.....
Confectionery.....	10	170	138	481	1,085	3,069
Copper, tin, and sheet-iron products.....	.....	47	52	524	125	1,206
Flour-mill and gristmill products.....	.....	247	.....	6,854	1,633	.....
Foundry and machine-shop products.....	154	608	2,556	2,351	4,469	275
Furniture and refrigerators.....	.....	40	.....	825	1,720	1,092
Leather goods.....	6	29	.....	182	45	237
Liquors, malt.....	.....	504	764	15,004	8,929	300
Lumber and timber products.....	18	1,180	.....	4,474	11,160	506
Printing and publishing.....	27	469	.....	1,502	3,677	4,826
All other industries.....	49	13,312	2,037	60,990	536,520	7,153

NOTE.—In addition, there were 11,715 tons of other varieties of fuel reported.

SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

(With statistics for laundries and custom sawmills and gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and value of materials and products and other information for securing which no provision is made on the general schedule. Certain data of this character for six important industries in Oregon are here presented.

**Lumber and timber products.**—The following is a statement of the quantity of the lumber, lath, and shingles produced in the sawmills and shingle mills as reported at the censuses of 1909 and 1899:

PRODUCT.	1909	1899
Rough lumber..... M feet b. m.	1,898,995	734,538
Lath..... thousands..	161,512	41,770
Shingles..... thousands..	293,644	31,189

The cut of rough lumber increased 1,164,457 M feet board measure, or 158.5 per cent, from 1899 to 1909; that of shingles, 262,455,000, or 841.5 per cent; and that of lath, 119,733,000, or 286.6 per cent.

Of the total cut for 1909, 1,895,950 M feet board measure, was softwood. Of this amount, 1,581,621 M feet board measure, or 83.4 per cent of the total for the state, was Douglas fir, and 169,592 M feet western pine; among other varieties are spruce, cedar, hemlock, and larch. There were only 3,045 M feet of hardwood lumber produced, of which maple, cottonwood, ash, and oak were the principal varieties. In 1909 Oregon was second among the states in the production of Douglas fir, reporting 32.6 per cent of the total. But two states, California and Oregon, reported sugar pine and Oregon reported 8.6 per cent of the total cut.

**Flour-mill and gristmill products.**—The following table gives the quantity and value of the various kinds of products of this industry for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
<b>Total value.....</b>	<b>\$8,891,001</b>	<b>\$8,407,613</b>	<b>\$6,136,250</b>
Wheat flour:			
White—			
Barrels.....	1,345,360	1,710,833	1,778,709
Value.....	\$5,950,611	\$6,230,291	\$4,020,351
Graham—			
Barrels.....	14,912	24,010	(1)
Value.....	\$65,234	\$88,641	(1)
Corn meal and corn flour:			
Barrels.....	559	685	3,632
Value.....	\$2,236	\$3,395	\$10,283
Rye flour:			
Barrels.....	1,299	285	1,854
Value.....	\$5,502	\$1,300	\$5,061
Buckwheat flour:			
Pounds.....	8,051	11,000	241,000
Value.....	\$376	\$285	\$6,238
Barley meal:			
Pounds.....	1,095,004	2,093,000	1,049,000
Value.....	\$17,968	\$32,750	\$16,430
Hominy and grits:			
Pounds.....	15,000	225,651	24,000
Value.....	\$390	\$4,615	\$480
Feed:			
Tons.....	53,400	32,270	49,548
Value.....	\$1,646,894	\$813,442	\$717,972
Offal:			
Tons.....	50,802	66,477	46,685
Value.....	\$1,142,201	\$1,247,728	\$538,822
All other products.....	\$160,594	\$39,166	\$226,013

<sup>1</sup> Not reported separately.

As shown in the table, the principal product of this industry is white-wheat flour, the value of which formed 66.9 per cent of the total value of all products for the industry in 1909, 73.6 per cent in 1904, and 75.3 per cent in 1899. During the decade there was a decrease in the quantity of every class of product except feed, offal, and barley meal. In 1909 the value of feed and of offal formed 17.4 per cent and 12.8 per cent, respectively, of the total value of products for the industry, as against 11.7 per cent and 8.8 per cent, respectively, in 1899. In 1909 the mills of the state were equipped with 976 pairs of rolls and 45 runs of stone. The corresponding figures for 1904 were 941 pairs of rolls and 55 runs of stone. Two mills reported the manufacture of sacks in 1909 but none the manufacture of barrels.

**Slaughtering and meat packing.**—This classification includes wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage only. The following table gives the quantities and values of the different products for 1909, 1904, and 1899:

PRODUCT.	1909	1904 <sup>1</sup>	1899 <sup>1</sup>
<b>Total value.....</b>	<b>\$5,879,615</b>	<b>\$2,007,154</b>	<b>\$1,638,480</b>
Beef, fresh:			
Pounds.....	23,769,934	13,525,505	7,583,840
Value.....	\$2,235,816	\$882,814	\$552,507
Beef, salted or cured:			
Pounds.....	57,310	425,000	502,500
Value.....	\$5,433	\$21,500	\$36,175
Veal, fresh:			
Pounds.....	851,558	203,980	198,410
Value.....	\$88,063	\$19,822	\$18,210
Mutton, fresh:			
Pounds.....	3,806,708	3,785,414	2,300,600
Value.....	\$351,170	\$223,207	\$164,780
Pork, fresh:			
Pounds.....	4,256,695	2,148,609	781,520
Value.....	\$517,974	\$185,657	\$62,897
Pork, salted or cured:			
Pounds.....	5,123,483	9,247,347	5,063,111
Value.....	\$752,137	\$808,605	\$456,606
Sausage, fresh or cured.....	\$250,822	\$70,150	\$35,265
Lard:			
Pounds.....	5,709,268	2,440,740	1,021,232
Value.....	\$635,628	\$220,023	\$95,902
Hides:			
Number.....	50,421	20,493	10,983
Pounds.....	3,390,352	1,533,083	891,140
Value.....	\$427,179	\$131,603	\$70,301
Pelts:			
Number.....	92,038	13,207	(2)
Value.....	\$52,589	\$9,096	(2)
All other products.....	\$562,204	\$234,777	\$137,837

<sup>1</sup> Excluding one establishment, to avoid disclosure of individual operations.  
<sup>2</sup> Figures not available.

During the decade the output of fresh beef in Oregon increased 279.2 per cent and that of fresh pork 444.7 per cent. Fresh veal, fresh mutton, lard, and hides all show large increases in quantity during the 10 years. Salted or cured pork shows only a small increase, while salted or cured beef decreased considerably during this period.

**Butter, cheese, and condensed milk.**—This is comparatively a new industry in Oregon. Since 1889, when there were only 12 establishments with a total value of products of \$66,426 classified as butter, cheese, or condensed-milk factories, the industry has grown

until in 1909 there were 95 establishments reporting a value of products amounting to nearly \$5,000,000.

The following table shows the quantity and value of the various classes of butter, cheese, and condensed-milk products for the censuses of 1909, 1904, and 1899:

PRODUCT.	1909	1904 <sup>1</sup>	1899
<b>Total value</b> .....	\$4,920,462	\$1,629,343	\$639,222
<b>Butter:</b>			
Packed solid—			
Pounds.....	992,102	855,962	425,727
Value.....	\$208,721	\$193,691	\$95,733
Prints and rolls—			
Pounds.....	7,480,558	4,224,637	1,549,630
Value.....	\$2,383,385	\$1,073,200	\$344,866
<b>Cream sold:</b>			
Pounds.....	1,010,239	477,218	470,000
Value.....	\$132,097	\$40,793	\$40,141
All other butter-factory products.....	\$21,727	\$16,828	\$21,846
<b>Cheese:</b>			
Full-cream—			
Pounds.....	4,166,038	2,214,067	1,106,505
Value.....	\$631,259	\$244,621	\$126,827
Part-cream—			
Pounds.....	37,415		
Value.....	\$5,369		
Other kind—			
Pounds.....	15,500	41,525	89,050
Value.....	\$4,240	\$4,755	\$9,054
All other cheese-factory products.....	\$176	\$904	\$755
<b>Condensed milk, unsweetened:<sup>2</sup></b>			
Pounds.....	21,788,937		
Value.....	\$1,164,360		
All other condensed-milk factory products.....	\$350		
All other products, not specified.....	\$278,778	\$54,486	

<sup>1</sup> Excluding two establishments, to avoid disclosure of individual operations.  
<sup>2</sup> Includes one establishment reporting condensed milk, sweetened.

The butter factories produced 57.6 per cent of the total value of products of the industry in 1909 and 78.6 per cent in 1899, while the cheese factories reported 13 per cent in 1909 and 21.4 per cent in 1899. The condensed-milk factories contributed 23.7 per cent of the total value of products in 1909.

The quantity of butter produced increased 3,392,061 pounds, or 66.8 per cent, from 1904 to 1909, and 3,105,242 pounds, or 157.2 per cent, from 1899 to 1904, and the quantity of cheese increased 1,963,361 pounds, or 87 per cent, from 1904 to 1909, and 1,060,028 pounds, or 88.7 per cent, from 1899 to 1904. Of the 4,218,953 pounds of cheese made in 1909, 4,166,038 pounds, or 98.7 per cent, was full-cream cheese.

The first report of a condensed-milk factory in Oregon was received at the census of 1904, but statistics for that year can not be shown without disclosing operations of individual concerns. In 1909 seven such establishments reported nearly 22,000,000 pounds of condensed milk, valued at over a million dollars.

**Canning and preserving.**—This is one of the important and distinctive industries of Oregon. The increase in the value of products from 1904 to 1909 was \$295,696, or 10.2 per cent, and from 1899 to 1904, \$917,257, or 46 per cent.

The products of this industry have been divided into five general classes—canned vegetables, canned fruits, dried fruits, fish, canned and salted, and "All other

products," the latter classification including pickles, preserves, and sauces. The value of canned vegetables formed 1.5 per cent of the total value of products for the industry in 1909, 1 per cent in 1904, and seven-tenths of 1 per cent in 1899; that of canned fruits, 5.5 per cent in 1909, 7.4 per cent in 1904, and 5.3 per cent in 1899; that of dried fruits, 14.7 per cent in 1909, 1.1 per cent in 1904, and 1 per cent in 1899; that of fish products, 64.6 per cent in 1909, 81.9 per cent in 1904, and 85 per cent in 1899; and that of "All other products," 13.6 per cent in 1909, 8.6 per cent in 1904, and 8 per cent in 1899.

The next table gives the quantity and value of the principal products reported at the censuses of 1909, 1904, and 1899.

PRODUCT.	1909	1904	1899
<b>Total value</b> .....	\$3,207,060	\$2,911,364	\$1,094,107
<b>Canned vegetables</b> .....	\$48,219	\$30,045	\$14,300
Beans—			
Cases.....	12,831	4,000	1,200
Value.....	\$26,179	\$10,892	\$2,565
Pumpkins—			
Cases.....	3,627	2,590	
Value.....	\$8,148	\$6,095	
All other—			
Cases.....	6,038	6,616	4,783
Value.....	\$13,892	\$13,058	\$11,735
<b>Canned fruits</b> .....	\$177,818	\$214,363	\$106,550
Apples—			
Cases.....	8,557	15,043	5,633
Value.....	\$15,918	\$35,170	\$13,800
Blackberries—			
Cases.....	4,408	4,694	8,800
Value.....	\$9,321	\$8,635	\$15,000
Cherries—			
Cases.....	22,770	27,346	14,570
Value.....	\$49,203	\$72,465	\$30,300
Pears—			
Cases.....	14,598	14,174	7,367
Value.....	\$42,842	\$43,464	\$22,000
Raspberries—			
Cases.....	9,658	4,342	2,602
Value.....	\$23,206	\$15,549	\$6,000
Strawberries—			
Cases.....	3,490	9,757	3,500
Value.....	\$10,361	\$30,324	\$9,500
All other—			
Cases.....	14,033	3,430	4,400
Value.....	\$26,067	\$8,756	\$9,350
<b>Dried fruits:</b>			
Pounds.....	14,028,251	893,000	397,350
Value.....	\$473,008	\$31,000	\$10,461
Prunes—			
Pounds.....	14,000,597	813,000	360,100
Value.....	\$470,911	\$28,000	\$17,351
All other—			
Pounds.....	18,654	50,000	37,250
Value.....	\$2,097	\$3,000	\$2,110
<b>Fish:</b>			
Pounds.....	18,303,344	27,191,650	16,250,680
Value.....	\$2,073,081	\$2,384,246	\$1,694,338
Salmon, canned—			
Pounds.....	12,969,670	20,187,559	15,915,352
Value.....	\$1,341,481	\$1,694,762	\$1,655,329
Salted fish—			
Pounds.....	5,333,674	7,004,091	335,328
Value.....	\$731,600	\$689,484	\$30,000
All other products, including smoked fish and pickles, preserves, and sauces.....	\$434,934	\$251,710	\$159,458

<sup>1</sup> Does not include products to the value of \$10,538, reported by establishments engaged primarily in other industries.

Although the output of canned salmon decreased both in quantity and in value from 1904 to 1909, it is still the most important product of the canning industry in Oregon. In 1909 the state produced 13 per cent of the total output of canned salmon for continental United



States. The most marked increase was that in the production of prunes from 813,000 pounds in 1904 to 14,009,597 pounds in 1909.

Beans were the principal vegetable canned, being in fact the only one, aside from pumpkins, which was reported by more than one establishment. Cherries and pears were more extensively canned than any other fruits, although the canning of apples was reported by a larger number of establishments. Salted fish was reported by 13 establishments.

Printing and publishing.—The printing and publishing industry in Oregon shows a decided growth during the last decade, when measured by the number of publications and the aggregate circulation. The following table shows the number of publications and aggregate circulation per issue, classified according to period of issue, for the years 1909, 1904, and 1899:

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1909	1904	1899	1909	1904	1899
Total.....	254	221	197	735,363	445,946	311,050
Daily.....	31	23	21	150,500	92,171	51,191
Sunday.....	6	8	9	93,142	58,800	( <sup>1</sup> )
Semiweekly.....	<sup>2</sup> 11	18	14	26,725	27,330	14,810
Weekly.....	176	152	124	229,585	180,305	160,511
Monthly.....	27	16	27	219,351	81,400	75,038
All other classes.....	3	4	2	16,000	5,850	4,400

<sup>1</sup>Included in circulation of dailies.

<sup>2</sup>Includes one triweekly.

The weeklies showed the greatest increase in number and the monthlies in aggregate circulation. There was a decrease in the number of Sunday and semiweekly publications, but an increase in the aggregate circulation of the Sunday publications.

In 1909, 13 of the 31 daily papers, with an aggregate circulation of 55,375, were morning editions. All of the publications were printed in the English language, except 1 daily in Japanese; 1 semiweekly in Finnish; 5 weeklies, of which 3 were in German, 1 in Swedish, and 1 in Danish and Norwegian; and 1 monthly in German.

Laundries.—Statistics for steam laundries are not included in the general tables or in the totals for manufacturing industries. In 1909 there were in the state 58 such establishments, of which 20 were in Portland and 2 in Salem.

The following statement summarizes the statistics:

Number of establishments.....	58
Persons engaged in the industry.....	1,674
Proprietors and firm members.....	54
Salaried employees.....	163
Wage earners (average number).....	1,457
Primary horsepower.....	1,585
Capital.....	\$991,017
Expenses.....	1,252,614
Services.....	845,314
Materials.....	263,593
Miscellaneous.....	143,707
Amount received for work done.....	1,569,982

Twenty-two of the 58 establishments were under corporate ownership, 20 under individual ownership and 16 under firm ownership. Four establishments reported receipts for the year's business amounting to between \$100,000 and \$1,000,000; 16, receipts of between \$20,000 and \$100,000; and 38, receipts of less than \$20,000.

The number of wage earners employed each month and the per cent which this number represented of the greatest number employed in any month were as follows:

MONTH.	WAGE EARNERS.		MONTH.	WAGE EARNERS.	
	Number.	Per cent of maximum.		Number.	Per cent of maximum.
January.....	1,371	99.7	July.....	1,504	99.5
February.....	1,374	99.0	August.....	1,499	99.1
March.....	1,392	92.1	September.....	1,497	99.0
April.....	1,411	93.3	October.....	1,512	100.0
May.....	1,439	95.2	November.....	1,505	99.5
June.....	1,482	98.0	December.....	1,497	99.0

The different kinds of primary power, the number of engines or motors, and the horsepower used in 1909 are shown in the following tabular statement:

KIND.	Number of engines or motors.	Horsepower.
<b>Primary power, total.....</b>		<b>1,585</b>
Owued:		
Steam.....	40	1,405
Gas.....	2	70
Water wheels.....	1	10
Rented:		
Electric.....	13	90
Other.....		3

The kind and amount of fuel used are shown in the following statement:

KIND.	Unit.	Quantity.
Anthracite coal.....	Tons.....	11
Bituminous coal.....	Tons.....	729
Wood.....	Cords.....	11,753
Oil.....	Barrels.....	21,888
Gas.....	1,000 feet.....	2,732

Custom sawmills and gristmills.—Statistics for custom sawmills and gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the following summary:

	Custom sawmills.	Custom gristmills.
Number of establishments.....	4	15
Persons engaged in the industry.....	13	22
Proprietors and firm members.....	5	16
Salaried employees.....		
Wage earners (average number).....	8	6
Primary horsepower.....	90	344
Capital.....	\$8,550	\$40,710
Expenses.....	5,371	100,467
Services.....	4,614	2,940
Materials.....	135	197,323
Miscellaneous.....	822	1,098
Value of products.....	8,144	110,984

<sup>1</sup>Includes estimate of all grain ground. A similar estimate for value of lumber sawed by custom sawmills is impracticable.



STATISTICS OF MANUFACTURES.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY AND CITY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employes.	Wage earners (average number).							
<b>PORTLAND—All industries.....</b>	1909	649	14,891	763	1,014	12,214	32,122	\$37,996	\$2,241	\$8,079	\$26,076	\$46,861	\$20,785
	1904	437	9,594	398	1,025	8,171		19,725	1,286	5,342	17,024	28,651	11,627
	1899	408			863	5,380		11,633	732	2,704	10,177	10,904	6,727
Bread and other bakery products.....	1909	63	660	79	70	511	207	1,353	62	363	1,275	2,160	921
	1904	40	475	52	65	358		673	72	178	701	1,182	481
	1899	35	272	42	36	194		226	32	78	401	641	240
Brick and tile.....	1909	9	106	13	5	88	360	342	0	71	40	206	177
	1904	8	109	10	6	94		153	4	48	30	127	97
	1899	5	72	5	4	63		48	3	28	13	67	54
Butter, cheese, and condensed milk.....	1909	8	196	6	51	139	860	587	48	105	1,102	1,431	329
	1904	6	50	5	13	38		177	9	25	432	521	89
	1899	5	21	1	8	12		28	5	0	126	172	40
Canning and preserving.....	1909	8	169	10	26	133	77	300	31	49	250	464	214
	1904	7	153	8	10	120		132	16	41	240	352	112
	1899	5			11	109		80	12	15	120	192	72
Clothing, men's, including shirts.....	1909	5	576	9	23	544	217	300	20	238	738	1,105	307
	1904	3	356	6	12	338		321	12	120	303	500	213
	1899	3	197	19	7	171		187	3	43	107	165	58
Confectionery.....	1909	11	366	9	89	268	203	587	84	130	519	1,128	609
	1904	10	169	11	43	115		172	33	50	126	342	216
	1899												
Copper, tin, and sheet-iron products.....	1909	28	454	32	44	378	253	2,782	51	311	732	1,410	687
	1904												
	1899	12			7	97		124	5	61	120	203	143
Flour-mill and gristmill products.....	1909	5	97	1	23	73	1,222	793	29	54	1,179	1,337	158
	1904	5	117	2	27	88		675	51	60	2,467	2,713	256
	1899	0	129	3	33	93		994	40	64	1,528	1,759	231
Foundry and machine-shop products.....	1909	44	947	34	114	799	2,080	2,593	140	704	1,222	2,527	1,305
	1904	21	673	21	51	601		1,279	58	481	455	1,200	745
	1899	25			43	277		593	42	104	228	610	382
Furniture and refrigerators.....	1909	11	530	11	41	478	1,207	1,110	50	283	468	993	535
	1904	11	405	8	37	360		734	42	205	322	720	398
	1899	7	156	3	11	142		225	10	57	130	225	86
Ice, manufactured.....	1909	4	31	1	14	10	575	208	22	14	45	108	63
	1904	6	53	2	0	45		257	7	38	20	137	111
	1899	4	33	2	9	22		190	14	16	13	91	78
Leather goods.....	1909	26	399	21	74	304	136	587	88	220	898	1,380	518
	1904	15	288	11	35	242		437	37	154	488	800	312
	1899	13			10	245		207	21	107	336	542	200
Lumber and timber products.....	1909	42	3,014	12	233	3,069	13,998	8,993	306	2,672	5,067	10,111	5,044
	1904	28	2,200	18	116	2,072		3,875	184	1,455	3,101	5,435	2,334
	1899	17			78	1,260		1,783	97	687	2,462	3,925	1,403
Marble and stone work.....	1909	7	50	5	10	38	90	102	10	38	71	175	104
	1904	4	32	0		20		51		31	64	149	85
	1899	4			7	20		32	5	14	32	76	44
Printing and publishing.....	1909	132	1,681	311	418	952	1,402	2,239	446	1,036	847	3,736	2,889
	1904	78	846	69	253	534		952	311	458	491	1,943	1,452
	1899	80			81	395		1,174	101	230	267	964	697
Shipbuilding, including boat building.....	1909	7	112	4	7	101	68	99	9	92	90	231	141
	1904	8	158	6	3	149		102	5	105	109	259	150
	1899	9	273	0	0	261		98	8	120	187	400	213
Tobacco manufactures.....	1909	21	131	23	2	106		96	2	100	89	200	171
	1904	25	112	32		80		45		48	104	220	116
	1899	15	53	18	1	34		21	1	15	24	65	41
All other industries.....	1909	218	4,457	182	658	3,617	9,008	14,796	759	2,493	11,475	18,048	6,573
	1904	162	3,380	141	343	2,002		9,690	425	1,845	7,585	12,045	4,460
	1899	163			302	1,985		5,698	327	999	4,074	6,747	2,673

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

Salem.....	1909	62	789	57	135	597	1,088	\$1,061	\$98	\$307	\$1,177	\$3,208	\$1,031
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1 Excluding statistics for two establishments, to avoid disclosure of individual operations.  
 2 Figures can not be shown without disclosing individual operations.  
 3 Excluding statistics for one establishment, to avoid disclosure of individual operations.

TABLE II.—DETAIL STATEMENT FOR

INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.										WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Pri- mary horse- power.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Wage earners.			Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number.			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								
1 All industries.....	2,246	84,722	2,499	1,220	1,702	551	28,760	Se 30,978	Ja 23,354	(1)	(1)	(1)	(1)	(1)	175,019		
2 Artificial stone.....	20	72	22	2	1	.....	47	Se 61	Fe 34	64	64	.....	.....	.....	46		
3 Baking powders and yeast.....	3	28	2	2	14	4	6	No <sup>2</sup> 8	My <sup>2</sup> 2	8	5	3	.....	.....	11		
4 Boots and shoes, including cut stock and findings.....	5	67	2	3	4	2	56	Jy <sup>2</sup> 59	Ja 53	50	54	4	1	.....	39		
5 Brass and bronze products.....	4	50	2	3	1	2	42	Ja <sup>2</sup> 43	Au 39	42	42	.....	.....	.....	66		
6 Bread and other bakery products.....	151	905	182	17	47	46	618	Oc 666	Ja 576	670	477	101	2	.....	336		
7 Brick and tile.....	61	487	71	14	16	1	385	Jy 747	Ja 78	735	729	1	5	.....	1,022		
8 Butter, cheese, and condensed milk.....	95	615	63	30	63	30	420	Jo 515	Ja <sup>2</sup> 344	399	395	30	4	.....	1,935		
9 Canning and preserving.....	71	844	54	65	49	15	661	Se 1,588	Fe 113	1,452	866	535	15	30	1,318		
10 Carpets, rag.....	3	18	6	1	.....	.....	11	Jy <sup>2</sup> 13	Ja <sup>2</sup> 9	9	9	.....	.....	.....	26		
11 Carriages and wagons and materials.....	15	84	16	4	2	.....	62	Jy 65	Fe 57	62	62	.....	.....	.....	52		
12 Cars and general shop construction and repairs by steam-railroad companies.....	8	822	.....	0	36	.....	777	De 856	Fe 634	856	856	.....	.....	.....	633		
13 Clothing, men's, including shirts.....	5	576	0	6	11	6	544	My 599	Se 437	540	55	435	.....	.....	217		
14 Confectionery.....	19	408	18	13	67	27	233	De 336	Ja 257	337	108	.....	.....	.....	217		
15 Cooperage and wooden goods, not elsewhere specified.....	10	42	15	2	1	1	23	My <sup>2</sup> 30	Oc 12	30	30	.....	.....	.....	129		
16 Copper, tin, and sheet-iron products.....	39	525	48	12	23	11	431	Au 520	Ja 320	445	411	34	.....	.....	253		
17 Cutlery and tools, not elsewhere specified.....	5	30	5	1	.....	1	23	My 25	Ja <sup>2</sup> 23	23	23	.....	.....	.....	46		
18 Dairymen's, poultryers', and apiarists' supplies.....	3	13	3	.....	2	1	7	Mh 12	Jo 4	11	11	.....	.....	.....	28		
19 Flour-mill and gristmill products.....	114	620	101	65	46	14	304	Se 469	Mh 349	471	470	1	.....	.....	11,541		
20 Foundry and machine-shop products.....	82	1,270	71	70	58	16	1,055	Ap 1,180	Ja 925	1,072	1,072	.....	.....	.....	2,709		
21 Fur goods.....	5	67	7	3	1	5	51	So <sup>2</sup> 65	Je 36	72	25	47	.....	.....	12		
22 Furniture and refrigerators.....	10	621	16	16	27	10	552	Oc 593	Ja 474	585	578	7	.....	.....	1,501		
23 Gas and electric fixtures and lamps and reflectors.....	4	89	.....	10	16	4	56	No 71	Ap 46	50	50	9	.....	.....	60		
24 Hand stamps and stenosis and brands.....	4	24	2	2	.....	4	16	Fe <sup>2</sup> 17	Ja <sup>2</sup> 15	16	14	2	.....	.....	11		
25 Ice, manufactured.....	25	122	27	12	11	3	60	Au 111	Ja <sup>2</sup> 42	70	70	.....	.....	.....	1,569		
26 Jewelry.....	4	36	5	.....	.....	.....	31	No 36	Ja <sup>2</sup> 29	34	34	.....	.....	.....	16		
27 Leather goods.....	48	484	51	24	44	12	353	Da 367	Ja 332	369	356	13	.....	.....	173		
28 Leather, tanned, curried, and finished.....	8	58	7	1	1	.....	49	Jo 53	Ja <sup>2</sup> 46	49	49	.....	.....	.....	224		
29 Liquors, malt.....	18	272	14	21	30	3	204	Jy 222	Ja 183	191	191	.....	.....	.....	2,018		
30 Lumber and timber products.....	713	16,833	840	453	385	83	15,066	Je 16,462	Ja 11,545	17,572	17,501	59	12	.....	95,213		
31 Marble and stone work.....	23	121	21	8	12	4	76	My 90	Ja 63	74	74	.....	.....	.....	159		
32 Mattresses and spring beds.....	7	104	9	3	8	1	83	De 105	Ja 65	105	92	13	.....	.....	105		
33 Models and patterns, not including paper patterns.....	5	17	5	.....	.....	.....	12	Mh <sup>2</sup> 13	Jy 9	11	11	.....	.....	.....	29		
34 Patent medicines and compounds and druggists' preparations.....	11	45	12	3	3	7	20	Ja 38	Je 9	33	33	5	.....	.....	13		
35 Printing and publishing.....	324	2,523	514	124	307	119	1,459	De 1,605	Jy 1,424	1,528	1,279	219	25	5	1,927		
36 Shipbuilding, including boat building.....	24	250	29	7	1	1	212	Jy 271	Se 153	188	188	.....	.....	.....	287		
37 Slaughtering and meat packing.....	14	493	14	12	87	14	366	De 418	Mh 346	417	414	3	.....	.....	752		
38 Steam packing.....	3	27	1	2	.....	1	23	Oc <sup>2</sup> 24	Ja <sup>2</sup> 22	21	23	1	.....	.....	70		
39 Stoves and furnaces, including gas and oil stoves.....	11	123	11	13	9	4	86	Oc <sup>2</sup> 122	Mh <sup>2</sup> 61	119	118	.....	1	.....	183		
40 Surgical appliances and artificial limbs.....	3	10	4	1	.....	.....	5	No <sup>2</sup> 7	Ja <sup>2</sup> 5	7	4	2	1	.....	5		
41 Tobacco manufactures.....	56	251	62	.....	2	.....	187	No 198	Jy 174	193	165	25	3	.....	.....		
42 Umbrellas and canes.....	3	9	3	.....	.....	.....	6	Ja <sup>2</sup> 6	Ap <sup>2</sup> 5	6	2	4	.....	.....	1		
43 Woolen, worsted, and felt goods, and wool hats.....	8	508	2	12	22	3	469	De 573	My 420	573	339	214	16	4	1,028		
44 All other industries <sup>3</sup> .....	193	4,159	147	105	295	96	3,450	.....	.....	.....	.....	.....	.....	.....	47,249		

<sup>1</sup> No figures given for reasons explained in the Introduction.

<sup>2</sup> Same number reported for one or more other months.

<sup>3</sup> All other industries embrace—

Agricultural implements.....	2	Charcoal.....	1	Furnishing goods, men's.....	2
Automobiles, including bodies and parts.....	2	Clothing, women's.....	2	Gas, illuminating and heating.....	8
Awnings, tents, and sails.....	5	Coffee and spice, roasting and grinding.....	5	Glass, cutting, staining, and ornamenting.....	4
Rabbit metal and solder.....	1	Coffins, burial cases, and undertakers' goods.....	2	Gloves and mittens, leather.....	5
Bags, other than paper.....	2	Cordage and twine and jute and linen goods.....	2	Grease and tallow.....	2
Baskets, and rattan and willow ware.....	1	Dyeing and finishing textiles.....	1	Hair work.....	3
Beet sugar.....	1	Electrical machinery, apparatus, and supplies.....	1	Hats and caps, other than felt, straw, and wool.....	1
Blacking and cleansing and polishing preparations.....	2	Engraving and diecasting.....	1	Hats, fur-felt.....	1
Boxes, cigar.....	1	Fancy articles, not elsewhere specified.....	1	Hosiery and knit goods.....	1
Boxes, fancy and paper.....	4	Fertilizers.....	1	Instruments, professional and scientific.....	1
Brooms.....	2	Flags, banners, regalia, society badges, and emblems.....	1	Iron and steel, steel works and rolling mills.....	2
Card cutting and designing.....	1	Flavoring extracts.....	5	Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.....	1
Cars and general shop construction and repairs by street-railroad companies.....	2	Food preparations.....	8	Labels and tags.....	1

STATISTICS OF MANUFACTURES.

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THE STATE, BY INDUSTRIES: 1909.

	Capital.	EXPENSES.										Value of products.	Value added by manu- facture.
		Total.	Services.			Materials.		Miscellaneous.					
			Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.		
1	\$89,081,873	\$82,124,650	\$2,168,864	\$1,878,630	\$10,901,934	\$1,647,212	\$48,905,258	\$567,075	\$851,489	\$576,899	\$5,827,480	\$93,004,845	\$42,452,375
2	72,342	92,228	2,350	1,125	34,948	294	45,005	1,077	329	1,010	4,500	112,585	60,296
3	14,601	18,402	1,400	3,136	1,707	167	7,743	2,083	37	.....	2,139	19,500	11,600
4	68,177	140,656	4,200	4,800	39,548	947	94,056	2,115	232	.....	3,698	155,507	60,504
5	152,989	111,162	4,950	2,400	48,683	3,232	37,908	900	223	.....	12,776	121,885	80,655
6	1,608,550	2,364,436	34,330	43,708	440,577	45,429	1,676,047	40,207	10,882	144	173,512	2,823,428	1,208,362
7	1,249,815	516,078	10,282	14,942	265,838	139,103	10,044	4,743	4,472	13,254	38,400	674,520	510,373
8	1,718,068	4,594,168	50,577	71,363	290,269	60,129	3,892,091	23,507	9,201	6,400	182,442	4,920,462	968,242
9	4,162,401	2,899,916	96,907	49,134	315,208	42,918	2,144,514	3,400	14,940	64,954	167,035	3,207,090	1,019,628
10	12,900	15,141	1,820	.....	7,904	384	2,750	600	36	.....	1,647	18,409	15,275
11	64,965	146,059	0,000	1,200	55,473	3,851	64,398	11,050	354	.....	3,733	102,050	124,410
12	1,400,343	1,163,395	18,140	37,310	543,720	44,510	404,284	.....	20,803	.....	25,004	1,163,305	654,595
13	368,594	1,054,482	14,100	14,469	238,127	3,964	734,135	12,088	1,734	.....	35,265	1,105,248	367,140
14	611,702	967,404	25,050	65,951	137,939	11,812	537,557	23,781	3,067	.....	162,247	1,215,256	665,887
15	92,694	34,658	2,040	1,200	26,715	473	47,977	2,589	928	273	1,803	98,823	50,373
16	2,859,145	1,410,506	22,470	30,933	354,365	14,313	820,721	12,004	0,812	634	153,594	1,011,244	770,210
17	41,093	40,612	1,200	375	21,275	2,285	12,194	2,040	340	.....	903	48,770	34,201
18	26,975	10,310	.....	1,575	4,482	350	2,455	.....	160	1,138	153	12,713	9,008
19	5,669,890	8,310,471	85,383	54,180	277,784	82,246	7,584,400	8,810	32,518	.....	185,060	8,891,001	1,224,295
20	3,670,322	2,763,119	130,360	52,285	892,423	77,017	1,303,682	21,876	21,246	2,930	170,400	3,135,098	1,033,499
21	100,964	164,170	8,496	4,281	34,975	1,287	94,801	8,920	1,072	.....	10,358	191,109	95,021
22	1,232,090	988,947	32,069	29,784	322,000	12,446	471,370	11,189	7,320	.....	101,860	1,093,743	609,027
23	268,806	153,636	14,415	14,842	42,973	1,071	60,139	1,440	604	.....	8,962	171,649	101,430
24	47,795	40,253	4,000	1,116	11,494	381	13,758	2,700	67	15	0,062	48,151	34,012
25	631,775	188,802	19,790	9,542	52,568	53,678	21,800	4,370	4,306	125	22,524	250,966	181,389
26	17,558	44,402	.....	.....	24,800	610	14,730	3,204	148	.....	550	57,730	42,300
27	824,448	1,464,723	34,600	57,064	261,753	6,003	982,038	31,773	4,571	.....	86,021	1,620,441	640,500
28	218,480	224,895	1,400	720	33,617	3,446	177,594	.....	927	.....	7,191	244,248	63,208
29	2,469,927	1,224,916	54,200	35,735	205,653	61,452	392,833	4,200	238,904	.....	231,879	1,867,453	1,403,168
30	35,030,550	26,488,295	824,935	442,401	10,171,862	72,204	12,341,233	40,979	273,974	318,561	1,093,146	30,169,857	17,780,420
31	220,555	236,666	9,700	14,204	74,944	3,180	100,335	6,338	1,389	41	10,935	297,479	184,894
32	162,378	305,909	4,950	7,550	67,535	1,835	209,054	2,355	553	.....	12,077	350,284	139,395
33	15,011	16,715	.....	.....	11,919	522	2,741	854	38	.....	641	28,014	24,751
34	71,001	65,795	1,400	7,125	7,675	562	33,794	1,305	295	.....	13,639	84,460	50,113
35	3,457,404	3,893,993	108,200	359,027	1,447,020	64,466	1,038,947	111,181	20,027	156,870	401,029	5,040,523	3,037,110
36	240,120	419,974	8,404	1,980	190,203	1,761	202,370	5,674	1,216	275	8,082	477,116	272,970
37	2,481,137	5,636,593	20,423	94,803	280,104	57,209	4,057,637	16,834	8,531	.....	102,052	5,879,615	804,769
38	48,383	55,960	2,600	1,000	18,000	1,150	28,336	840	310	.....	3,724	68,018	38,532
39	286,897	296,863	20,047	7,030	79,233	4,570	124,906	7,258	1,421	10,237	42,101	351,283	221,747
40	4,900	8,561	1,500	.....	2,603	88	1,753	1,165	11	18	1,363	11,232	9,301
41	196,205	400,697	.....	1,800	171,659	1,060	170,393	0,142	28,418	.....	18,135	473,846	302,303
42	11,838	13,156	.....	.....	2,933	54	6,806	2,880	77	.....	406	17,350	10,400
43	1,264,624	822,127	18,240	23,696	202,461	32,320	494,453	675	7,440	.....	42,833	928,654	401,881
44	15,911,409	12,341,570	350,336	313,805	2,185,396	731,537	7,465,638	108,519	100,196	1,205	1,078,848	13,713,110	5,515,935

\* All other industries embrace—Continued.

Lapidary work.....	2	Paper and wood pulp.....	5	Upholstering materials.....	2
Lime.....	6	Pottery, terra-cotta, and fire-clay products.....	3	Vinegar and cider.....	4
Matches.....	2	Pumps, not including steam pumps.....	1	Wall plaster.....	2
Millinery and lace goods.....	4	Rice, cleaning and polishing.....	1	Window shades and fixtures.....	2
Mineral and soda waters.....	29	Show cases.....	2	Wirework, including wire rope and cable.....	4
Mirrors.....	1	Soap.....	4	Wood distillation, not including turpentine and rosin.....	1
Mucilage and pasta.....	1	Sporting and athletic goods.....	1	Wood preserving.....	1
Oil, linseed.....	1	Statuary and art goods.....	1	Wood, turned and carved.....	9
Oil, not elsewhere specified.....	1	Stereotyping and electrotyping.....	2	Wool scouring.....	2
Optical goods.....	3	Toys and games.....	1		
Paints and varnish.....	5	Type founding and printing materials.....	1		

SUPPLEMENT FOR OREGON.

TABLE III.—DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES,  
CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.  
PORTLAND.

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN INDUSTRY.										WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Primary horse-power.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Wage earners (average number).					Total.	16 and over.		Under 16.		
					Male.	Female.	Total.	16 and over.		Under 16.	Male.		Female.	Male.	Female.		
								Male.	Female.								
1 All industries.....	649	14,891	763	525	1,041	348	12,214	10,596	1,600	18	12,611	10,845	1,747	17	2	32,122	
2 Bread and other bakery products.....	63	666	79	14	43	10	511	351	160	.....	547	376	171	.....	.....	297	
3 Brick and tile.....	9	106	13	4	1	.....	88	88	.....	.....	172	172	.....	.....	.....	369	
4 Butter, cheese, and condensed milk.....	8	196	6	10	24	17	189	137	2	.....	135	133	2	.....	.....	860	
5 Canning and preserving.....	8	169	10	10	10	6	133	49	84	.....	228	84	144	.....	.....	77	
6 Clothing, men's, including shirts.....	5	576	9	6	11	6	544	61	483	.....	540	55	485	.....	.....	217	
7 Confectionery.....	11	366	9	13	60	16	268	77	191	.....	318	91	227	.....	.....	203	
8 Copper, tin, and sheet-iron products.....	28	454	32	12	22	10	378	345	33	.....	391	357	34	.....	.....	253	
9 Flour-mill and gristmill products.....	5	97	1	9	11	3	73	73	.....	.....	97	97	.....	.....	.....	1,232	
10 Foundry and machine-shop products.....	44	947	34	51	48	15	709	799	.....	.....	750	750	.....	.....	.....	2,080	
11 Furniture and refrigerators.....	11	530	11	9	24	8	478	471	7	.....	504	497	7	.....	.....	1,207	
12 Ice, manufactured.....	4	31	1	6	8	.....	16	16	.....	.....	11	11	.....	.....	.....	575	
13 Leather goods.....	26	399	21	24	40	10	304	293	11	.....	319	307	12	.....	.....	136	
14 Lumber and timber products.....	42	3,914	12	96	198	29	3,669	3,664	5	.....	3,518	3,513	5	.....	.....	13,998	
15 Marble and stone work.....	7	59	5	5	8	3	38	38	.....	.....	39	39	.....	.....	.....	90	
16 Printing and publishing.....	132	1,681	311	91	238	89	952	843	97	12	981	869	100	10	2	1,402	
17 Shipbuilding, including boat building.....	7	112	4	6	1	.....	101	101	.....	.....	102	102	.....	.....	.....	68	
18 Tobacco manufactures.....	21	131	23	.....	2	.....	196	96	10	.....	109	99	10	.....	.....	.....	
19 All other industries <sup>1</sup> .....	218	4,457	182	159	382	117	3,617	3,100	511	6	3,850	3,293	559	7	.....	9,068	

<sup>1</sup> All other industries embrace: Artificial stone, 6; automobiles, including bodies and parts, 2; awnings, tents, and sails, 5; babbit metal and solder, 1; bags, other than paper, 2; baking powders and yeast, 2; baskets, and rattan and willow ware, 1; blacking and cleansing and polishing preparations, 2; boots and shoes, including cut stock and findings, 4; boxes, cigar, 1; boxes, fancy and paper, 3; brass and bronze products, 3; brooms, 2; card cutting and designing, 1; carpets, rag, 3; carriages and wagons and materials, 14; cars and general shop construction and repairs by steam-railroad companies, 1; cars and general shop construction and repairs by street-railroad companies, 1; clothing, women's, 2; coffee and spice, roasting and grinding, 5; coffins, burial cases, and undertakers' goods, 1; cooperage and wooden goods, not elsewhere specified, 6; cordage and twine and jute and linen goods, 1; cutlery and tools, not elsewhere specified, 4; dairymen's, poultryers', and apiarists' supplies, 1; dyeing and finishing textiles, 1; electrical machinery, apparatus, and supplies, 1; engraving and diesinking, 1; fancy articles, not elsewhere specified, 1; fertilizers, 1; flags, banners, regalia, society badges, and emblems, 1; flavoring extracts, 5; food preparations, 6; fur goods, 5; furnishing goods, men's, 1; gas and electric fixtures and lamps and reflectors, 3; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 4; gloves and mittens, leather, 4; hair work, 3; hand stamps and stencils and brands, 3; hosiery

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1 SALEM.....	62	789	57	29	74	32	597	452	144	1	745	564	189	1	.....	1,688
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STATISTICS OF MANUFACTURES.

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AND TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909.

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

PORTLAND.

	Capital.	EXPENSES.										Value of products.	Value added by manufacture.
		Total.	Services.			Materials.		Miscellaneous.					
			Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.		
1	\$37,995,835	\$41,278,295	\$1,042,522	\$1,198,812	\$8,978,856	\$740,819	\$25,334,797	\$446,295	\$431,053	\$142,940	\$2,961,001	\$46,860,767	\$20,785,151
2	1,352,759	1,893,387	28,130	34,108	362,842	32,081	1,242,217	25,063	9,107	.....	158,840	2,109,346	921,148
3	341,763	150,884	5,400	900	70,658	41,625	7,720	.....	2,198	1,700	20,083	209,425	157,080
4	586,945	1,319,424	14,550	33,151	104,980	16,423	1,085,034	17,930	2,887	1,200	42,360	1,439,862	328,505
5	300,260	353,336	17,126	13,640	49,042	2,690	247,718	1,945	1,270	.....	19,887	463,930	213,513
6	308,594	1,054,482	14,100	14,469	238,127	3,904	734,135	12,088	1,734	.....	35,295	1,105,248	367,149
7	586,940	915,518	25,050	59,361	130,271	10,292	508,705	21,246	2,892	.....	157,701	1,128,289	609,292
8	2,782,070	1,262,181	22,470	28,353	311,291	13,375	718,429	10,642	6,613	634	150,374	1,418,786	686,982
9	793,177	1,305,232	15,780	13,291	53,552	14,106	1,165,212	2,000	4,357	.....	39,934	1,337,119	157,891
10	2,593,462	2,240,855	96,360	44,025	704,390	53,448	1,168,066	19,716	16,350	.....	143,594	2,527,374	1,304,960
11	1,109,805	903,124	22,600	27,551	283,149	10,817	447,155	10,685	6,933	.....	94,534	992,945	531,973
12	268,268	93,082	14,400	7,317	14,308	30,549	14,914	4,100	1,186	.....	6,248	107,683	62,520
13	580,798	1,285,526	34,600	53,292	220,430	4,638	863,175	26,803	3,198	.....	79,384	1,380,259	518,440
14	8,993,305	8,888,500	220,693	145,068	2,672,399	27,694	5,039,693	35,988	70,954	17,300	658,361	10,110,975	5,043,778
15	102,334	142,108	7,500	11,004	38,168	1,731	69,176	4,000	378	.....	19,061	174,960	104,053
16	2,239,039	2,863,540	153,627	202,336	1,035,666	42,991	803,045	81,442	10,293	121,833	312,407	3,735,974	2,889,638
17	98,708	198,092	7,000	1,500	91,553	328	89,637	3,705	601	.....	3,808	230,608	140,743
18	95,541	228,517	.....	1,800	106,040	341	88,541	4,770	15,790	.....	11,229	259,539	170,057
19	14,795,938	16,174,507	343,136	416,956	2,491,924	432,817	11,039,816	163,422	266,191	273	1,019,973	18,047,145	6,574,513

and knit goods, 1; hats and caps, other than felt, straw, and wool, 1; hats, fur-felt, 1; instruments, professional and scientific, 1; iron and steel, steel works and rolling mills, 2; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 1; jewelry, 4; labels and tags, 1; lapidary work, 2; leather, tanned, curried, and finished, 2; liquors, malt, 4; matches, 1; mattresses and spring beds, 5; millinery and lace goods, 4; mineral and soda waters, 5; mirrors, 1; models and patterns, not including paper patterns, 5; mucilage and paste, 1; oil, linseed, 1; optical goods, 3; paint and varnish, 5; patent medicines and compounds and druggists' preparations, 6; pottery, terra-cotta, and fire-clay products, 2; pumps, not including steam pumps, 1; rice, cleaning and polishing, 1; show cases, 2; slaughtering and meat packing, 4; soap, 3; statuary and art goods, 1; steam packing, 3; stereotyping and electrotyping, 2; stoves and furnaces, including gas and oil stoves, 8; surgical appliances and artificial limbs, 3; toys and games, 1; type founding and printing materials, 1; umbrellas and canes, 3; vinegar and cider, 1; wall plaster, 1; window shades and fixtures, 2; wirework, including wire rope and cable, 3; wood, turned and carved, 1; woolen, worsted, and felt goods, and wool hats, 2.

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	\$1,661,062	\$1,912,692	\$38,804	\$50,000	\$360,688	\$42,118	\$1,135,983	\$13,100	\$31,202	\$6,215	\$210,877	\$2,208,031	\$1,130,830
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## CHAPTER 6.

### MINES AND QUARRIES.

**Introduction.**—The present chapter contains a complete statement of the statistics of all mining industries, which include all mines, quarries, and wells in the state of Oregon for the year 1909, as shown by the Thirteenth Census.

A brief explanation of the scope of the census of mining industries and of the terms used, in so far as the usage differs from that followed in the census of manufactures, is presented below in order to prevent any misinterpretation of the statistics.

The explanations here given show the usage of the mining census generally, though some of the special rules have obviously no relation to particular states in which the industries referred to do not exist.

**Scope of census.**—The Thirteenth Census covered all classes of mines, quarries, and petroleum and gas wells that were in operation during any portion of the year 1909, both those which were producing and those whose operations were confined to development work. Mines, quarries, or wells that were idle during the entire year 1909 were omitted from the canvass. The following operations were likewise omitted from the canvass: Prospecting; the digging or dredging of sand and gravel for the construction of roads and for building operations; the production of mineral waters; and the operation of small bituminous coal banks producing less than 1,000 tons annually. Where the mineral products are not marketed in their crude condition, but are dressed or washed at the mine or quarry, the statistics of mining cover the entire work of obtaining the crude material and its preparation for the market.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for enterprises which began or discontinued business during the year.

**Number of operators.**—As a rule, the unit of enumeration was the "operator." Every individual, firm, or corporation was required to furnish one report for all mines, quarries, or wells which were operated under the same management or for which one set of books of account was kept. Separate reports were obtained for all properties operated in different states, even where they were owned by the same operator. Likewise, where the operations of one individual, firm, or corporation covered more than one class of mines and quarries, such as coal, iron, limestone, etc., a separate report was received for each industry.

**Number of mines, quarries, and wells.**—This figure represents the total number of mines and quarries in operation or in the course of development at any time during the calendar year 1909, or the business year that corresponds most nearly to that calendar year, and the number of completed petroleum and natural gas wells in operation on December 31, 1909.

In most mining and quarrying industries the number of mines or quarries varies but little from the number of operators.

**Expenses of operation and development.**—A certain amount of development work is incidental to the operation of every mine. The expenses reported for producing mines include the cost both of operation and of development work which was done in connection with operation.

**Wages.**—The amount shown as wages includes only the compensation of regular wage earners hired by the day, week, or month, or under the piecework system.

**Supplies and materials.**—This item includes the cost of lumber and timber used for repairs, mine supports, track ties, etc.; iron and steel for blacksmithing; rails, frogs, sleepers, etc., for tracks and repairs; renewals of tools and machinery and materials for repairs; and supplies, explosives, oil, etc., as well as the cost of fuel and the rent of power. The schedule called only for the cost of such supplies and materials as had been used during the year covered by the report. Accurate figures, however, could be furnished only in those cases where the operators kept an account of supplies and materials used, or had an inventory made of all in stock at the beginning and at the end of the year. Such a system of accounting is far from general among mine operators, and there is reason to believe that in many cases the reported cost of supplies and materials covered all purchased during the year rather than those used during the year. The crude product of some operators was purchased by others for further dressing or refining; the cost of such materials is shown separately in the general table.

**Capital.**—The census schedule required every operator to state the total amount of capital invested in the enterprise on the last day of the business year reported, as shown by his books. There is, however, a great diversity in the methods of bookkeeping in use by different operators. As a result, the statistics for capital lack uniformity. Some of the figures reported apparently represent capital stock at face value; others include large investments in mineral lands which are not at present being actively mined, but are held in reserve; still others may include expenditures for unproductive mining ventures in no way related to the operations carried on during the census year.

**Persons engaged in mining industries.**—The statistics of the number of operators and officials, clerks, and wage earners, are based on the returns for December 15, or the nearest representative day. The reported number of wage earners includes overseers and foremen performing work similar to that of the men over whom they have charge; those whose duties are wholly supervisory are classed as superintendents and managers. Because of the common practice of shutting down mines at frequent intervals, it is impossible to ascertain with any satisfactory degree of accuracy the average number of employees—that is, the number who, if continuously employed, would be required to produce the actual output of the year.

**Value of products.**—Statistics of the value of mineral products were obtained by the Bureau of the Census in cooperation with the United States Geological Survey, but the two bureaus follow different methods in presenting these statistics. The Geological Survey shows separately the value of each mineral product, whereas the Bureau of the Census presents the value of products of each mining industry. The value of products given for a mining industry often includes the value of some products not covered by the industry designation. The crude product of metalliferous mines may include varying combinations of metals, such as gold, silver, copper, lead, zinc, and iron. Similarly, the total value of all products of the granite quarries is not identical with the value of the total output of granite, but may include the value of some marble or other stone quarried in connection with the principal product.

The value of products for 1909 in most cases represents the value of the products marketed during that year, not the value of those mined during that year.



## MINING IN OREGON.

**Summary.**—Statistics for all mining enterprises in the state of Oregon are presented in Table 7, which gives statistics for all industries combined and for both producing and nonproducing enterprises separately in all cases where the statistics could be given without disclosing the operations of an individual enterprise.

The total value of the products of all mines and quarries in Oregon in 1909 amounted to \$1,191,512. Of this amount, gold and silver deep mines and placer gold mines contributed products valued respectively at \$468,732 and \$159,002, a total of \$627,734. Bituminous coal mining, the industry next in importance, reported products valued at \$225,026. In the operations of gold and silver deep mines and bituminous coal mines the expenses of operation and development exceeded the value of the products. This was due in part to unprofitable mining ventures and in part to expenditures for development work, resulting in permanent improvements to the mining properties.

**Character of organization.**—Table 1 classifies the producing mining operations of the state under form of organization, distinguishing corporations from individual owners and firms, while Table 2 gives further details for incorporated enterprises distinguished from those which are unincorporated. Out of a total of 116 operators, 45, or 38.8 per cent, were corporations. These corporations reported 69.8 per cent of the total value of products and employed 70 per cent of all wage earners.

INDUSTRY AND CHARACTER OF ORGANIZATION.	PRODUCING ENTERPRISES: 1909						
	Number of operators.	Number of wage earners.	Value of products.		Per cent distribution.		
			Total.	Per operator.	Operators.	Wage earners.	Value of products.
<b>All industries.</b> .....	116	1,087	\$1,191,512	\$10,272	100.0	100.0	100.0
Individual.....	43	194	192,828	4,484	37.1	17.8	16.2
Firm.....	28	132	166,643	5,952	24.1	12.1	14.0
Corporation.....	45	761	832,041	18,490	38.8	70.0	69.8
<b>Gold and silver, Deep mines</b> .....	32	436	468,732	14,648	100.0	100.0	100.0
Individual.....	5	60	111,245	22,249	15.6	15.1	23.7
Firm.....	5	32	15,214	3,043	15.6	7.3	3.2
Corporation.....	22	338	342,273	15,558	68.8	77.5	73.0
<b>Placer gold.</b> .....	60	177	159,002	2,650	100.0	100.0	100.0
Individual.....	31	70	57,270	1,847	51.7	39.5	36.0
Firm.....	17	25	41,522	2,442	28.3	14.1	26.1
Corporation.....	12	82	60,210	5,018	20.0	46.3	37.9
<b>Bituminous coal.</b> .....	8	251	225,026	28,128	100.0	100.0	100.0
Firm <sup>1</sup> .....	4	37	25,532	6,383	50.0	14.7	11.3
Corporation.....	4	214	199,494	49,878	50.0	85.3	88.7

<sup>1</sup> Includes 2 individuals.

	Incorporated.	Unincorporated.
Number of operators.....	45	71
Number of mines and quarries.....	81	80
Proprietors and firm members, total.....		112
Number performing manual labor.....		66
Salaried employees:		
Officers of corporations.....	17	
Superintendents and managers.....	37	8
Clerks and other salaried employees.....	31	7
Wage earners, Dec. 15, 1909, or nearest representative day.....	761	326
Capital.....	\$8,211,089	\$955,745
Expenses of operation and development.....	897,748	325,720
Salaries—		
Officers of corporations.....	17,385	
Superintendents and managers.....	58,002	16,000
Clerks and other salaried employees.....	27,236	6,210
Wages.....	528,638	176,554
Royalties and rent of mines.....	11,987	4,048
Taxes.....	8,376	4,541
Supplies and miscellaneous expenses.....	246,124	117,467
Value of products.....	832,041	359,471

**Size of enterprises.**—In Table 3 the producing enterprises of the state are classified according to the number of wage earners employed per enterprise or operating unit. Of the 1,087 wage earners employed in all enterprises, 366, or 33.7 per cent, were reported by the 5 enterprises employing over 50 wage earners each.

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	PRODUCING ENTERPRISES: 1909			
	Enterprises.		Wage earners.	
	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>All industries.</b> .....	117	100.0	1,087	100.0
No wage earners.....	16	13.7		
Contract work.....	4	3.4		
1 to 5.....	54	46.2	137	12.6
6 to 20.....	31	26.5	341	31.4
21 to 50.....	7	6.0	243	22.4
Over 50.....	5	4.3	306	28.1
<b>Gold and silver, Deep mines</b> .....	32	100.0	436	100.0
Contract work.....	3	9.4		
1 to 5.....	11	34.4	36	8.3
6 to 20.....	11	34.4	140	32.1
Over 20.....	7	21.9	260	59.6
<b>Placer gold.</b> .....	60	100.0	177	100.0
No wage earners.....	16	26.7		
Contract work.....	1	1.7		
1 to 5.....	35	58.3	80	45.2
Over 5.....	8	13.3	97	54.8

**Prevailing hours of labor.**—In Table 4 all producing enterprises, except those employing no wage earners and those operated exclusively by contract work, are classified according to the prevailing hours of labor per day in each enterprise or operating unit. The table shows the percentage of the total number of enterprises falling in each group, and also a per cent distribution in which each enterprise has been given

a weight according to the total number of wage earners employed December 15, 1909, or the nearest representative day. It should be borne in mind that this latter distribution does not show the exact proportion of the total number of wage earners working the specified number of hours per day, since, in some cases, a part of the employees worked a greater or less number of hours than those generally prevailing in the enterprise. For all industries combined 55.8 per cent of the enterprises were operated on an eight-hour-per-day basis. For enterprises engaged in the production of gold and silver (deep mines) the corresponding percentage was 98.6.

**Table 4**

INDUSTRY AND HOURS PER DAY.	PRODUCING ENTERPRISES: 1909		
	Enterprises.		Per cent distribution of enterprises weighted according to number of wage earners.
	Number.	Per cent distribution.	
<b>All industries</b> .....	97	100.0	100.0
8 hours.....	56	57.7	55.8
9 hours.....	8	8.2	3.2
10 hours.....	29	29.9	37.0
11 hours.....	1	1.0	3.4
12 hours.....	3	3.1	0.6
<b>Gold and silver, Deep mines</b> .....	29	100.0	100.0
8 hours.....	27	93.1	98.6
10 hours.....	1	3.4	1.1
12 hours.....	1	3.4	0.2
<b>Placer gold</b> .....	43	100.0	100.0
8 hours.....	19	44.2	30.5
9 hours.....	3	7.0	4.0
10 hours.....	18	41.9	41.8
11 hours.....	1	2.3	20.9
12 hours.....	2	4.7	2.8
<b>Bituminous coal</b> .....	9	100.0	100.0
8 hours.....	7	77.8	45.0
9 hours.....	1	11.1	1.2
10 hours.....	1	11.1	53.8

**Duplication between manufactures and mining.**—In the production of granite and gypsum some of the operators subjected the product obtained to certain manufacturing processes on the premises before marketing. These enterprises have been included in the statistics both for manufactures and for mining. As a result of this fact the combined value of products for the manufacturing and mining industries in Oregon involves a duplication of \$202,664.

**Engines and power.**—As shown by Table 5, the aggregate horsepower employed in producing enterprises was 8,070, of which 6,177 was developed by engines and water wheels owned by the enterprise using them and 1,893 by electric motors operated by purchased current.

**Table 5**

CHARACTER OF POWER.	PRODUCING ENTERPRISES: 1909				
	Total.	Gold and silver, Deep mines.	Placer gold.	Bituminous coal.	All other.
<b>Primary power:</b>					
Aggregate horsepower.....	8,070	4,497	1,110	1,109	1,354
Owned.....	6,177	3,217	970	1,109	881
Steam engines—					
Number.....	52	21	3	15	13
Horsepower.....	2,074	899	103	1,109	863
Gas or gasoline engines—					
Number.....	3	3			
Horsepower.....	48	48			
Water wheels—					
Number.....	35	28	6		1
Horsepower.....	3,155	2,270	807		13
Electric motors operated by purchased current—					
Number.....	40	23	6		11
Horsepower.....	1,893	1,280	140		473
<b>Electric motors run by current generated by enterprise using:</b>					
Number.....	18	7	1	9	1
Horsepower.....	1,300	1,160	1	200	5

**Comparison of mining industries: 1902-1909.**—In order to make comparisons between 1909 and 1902 it is necessary to add to the 1909 statistics figures for the production of lime, which were omitted from the census of mines and quarries in 1909. Such items as are comparable for the two years are presented in Table 6.

**Table 6**

	PRODUCING ENTERPRISES.		
	1909	1902	Per cent of increase. <sup>1</sup>
Wages and salaries.....	\$854,070	\$1,222,178	-30.0
Supplies and materials.....	\$206,489	\$408,112	-27.4
Royalties and rent of mines.....	\$16,635	\$60,499	-72.0
Contract work.....	\$3,240	\$19,522	-83.4
Value of products.....	\$1,237,202	\$2,087,389	-40.7
Primary horsepower.....	8,070	3,761	114.0

<sup>1</sup> A minus sign (-) denotes decrease.  
<sup>2</sup> Exclusive of amount paid to miners compensated by a share of the produce which is included under "Contract work," in Table 7.

## DETAILED STATISTICS FOR MINING INDUSTRIES: 1909.

Table 7	Aggregate.	PRODUCING MINES AND QUARRIES.							NONPRODUCING MINES, QUARRIES, AND WELLS.		
		Total.	Gold and silver, Deep mines.	Placer gold.	Bituminous coal.	Granite.	Trap-rock.	All other. <sup>1</sup>	Total.	Gold and silver, Deep mines.	All other. <sup>2</sup>
Number of operators.....	235	116	32	60	8	8	4	4	119	110	9
Number of mines, quarries, and wells.....	457	161	58	71	9	8	11	4	296	280	16
Capital.....	\$20,526,593	\$9,166,834	\$7,070,156	\$1,006,290	\$642,410	\$190,457	\$38,031	\$218,500	\$11,359,739	\$10,916,247	\$443,512
<b>Expenses of operation and development.....</b>	<b>\$1,776,206</b>	<b>\$1,223,468</b>	<b>\$579,724</b>	<b>\$120,797</b>	<b>\$238,246</b>	<b>\$130,683</b>	<b>\$78,476</b>	<b>\$75,542</b>	<b>\$552,738</b>	<b>\$530,053</b>	<b>\$22,685</b>
Services—											
Salaried officers of corporations, superintendents, and managers.....	\$144,136	\$91,387	\$40,892	\$13,115	\$6,050	\$8,830	\$8,100	\$5,400	\$52,749	\$49,109	\$3,640
Clerks and other salaried employees.....	\$42,056	\$33,446	\$18,932	\$300	\$5,604	\$5,100	\$1,440	\$2,010	\$8,610	\$8,610	.....
Wage earners.....	\$904,500	\$705,192	\$327,362	\$74,000	\$152,845	\$65,321	\$50,817	\$34,178	\$280,404	\$279,016	\$10,388
Miscellaneous—											
Supplies.....	\$325,135	\$186,792	\$114,054	\$17,318	\$19,523	\$15,841	\$8,681	\$11,379	\$138,339	\$131,412	\$6,927
Fuel and rent of power.....	\$115,336	\$96,592	\$30,306	\$978	\$43,007	\$6,292	\$4,105	\$11,844	\$18,744	\$18,744	.....
Royalties and rent of mines.....	\$17,435	\$16,935	\$2,332	\$2,407	\$438	\$9,270	\$2,388	\$40	\$500	\$500	.....
Taxes.....	\$10,100	\$12,917	\$4,027	\$3,238	\$2,142	\$2,020	\$356	.....	\$3,333	\$2,680	\$653
Contract work.....	\$20,924	\$7,717	\$4,127	\$1,590	\$2,000	.....	.....	.....	\$13,207	\$13,207	.....
Rent of offices and other sundry expenses.....	\$100,428	\$72,486	\$28,692	\$7,122	\$6,017	\$18,000	\$2,289	\$10,366	\$27,942	\$26,775	\$1,167
<b>Value of products.....</b>	<b>\$1,191,512</b>	<b>\$1,191,512</b>	<b>\$468,732</b>	<b>\$159,002</b>	<b>\$225,026</b>	<b>\$152,221</b>	<b>\$91,974</b>	<b>\$94,557</b>	.....	.....	.....
<b>Persons engaged in industry.....</b>	<b>1,990</b>	<b>1,299</b>	<b>505</b>	<b>260</b>	<b>271</b>	<b>129</b>	<b>57</b>	<b>77</b>	<b>691</b>	<b>654</b>	<b>37</b>
Proprietors and officials.....	326	174	49	83	14	14	5	9	152	142	10
Proprietors and firm members.....	215	112	17	72	9	6	1	7	103	96	7
Number performing manual labor.....	110	66	7	49	9	.....	.....	1	44	40	4
Salaried officers of corporations, superintendents and managers.....	33	17	11	.....	1	4	1	.....	16	15	1
Clerks and other salaried employees.....	78	45	21	11	4	4	3	2	33	31	2
Wage earners, Dec. 15, 1909, or nearest representative day (all 16 years of age and over).....	40	38	20	.....	6	7	2	3	11	11	.....
Above ground.....	1,615	1,087	436	177	251	108	50	65	528	501	27
Below ground.....	772	593	157	173	40	108	50	65	179	152	27
Engineers, firemen, mechanics, etc.....	843	494	270	4	211	.....	.....	.....	349	349	.....
Above ground.....	233	157	97	6	28	20	6	.....	76	69	7
Below ground.....	207	133	88	6	13	20	6	.....	74	67	7
Miners, miners' helpers, and quarrymen.....	26	24	9	.....	15	.....	.....	.....	2	2	.....
Above ground.....	1,133	756	285	166	196	30	39	31	377	369	8
Below ground.....	322	286	15	162	.....	39	30	31	36	28	8
All other employees.....	811	470	270	4	196	.....	.....	.....	341	341	.....
Above ground.....	249	174	54	5	27	49	5	34	75	63	12
Below ground.....	243	174	54	5	27	49	5	34	69	57	12
Number of wage earners employed on the 15th day of each month:											
January.....	981	791	267	141	258	58	25	42	190	186	4
February.....	1,025	845	292	136	270	71	28	48	180	170	4
March.....	1,111	900	317	139	245	113	29	57	211	202	9
April.....	1,058	853	331	126	199	116	32	48	205	195	10
May.....	1,114	868	313	109	171	158	65	52	246	239	7
June.....	1,087	779	312	93	121	110	64	49	308	289	19
July.....	1,062	726	310	51	112	107	79	67	336	319	17
August.....	1,133	778	346	42	141	95	79	75	355	338	17
September.....	1,270	892	350	75	178	141	87	61	378	365	13
October.....	1,380	982	403	90	229	134	70	47	398	376	22
November.....	1,366	981	423	118	212	119	54	55	385	363	22
December.....	1,304	920	366	137	235	84	43	55	384	379	5
<b>Land controlled, acres.....</b>	<b>61,058</b>	<b>33,708</b>	<b>8,509</b>	<b>18,015</b>	<b>6,630</b>	<b>440</b>	<b>48</b>	<b>66</b>	<b>27,360</b>	<b>20,649</b>	<b>6,701</b>
Owned.....	53,622	27,607	6,818	15,324	4,900	410	34	61	26,015	19,691	6,324
Held under lease.....	7,436	6,101	1,691	2,691	1,730	30	14	5	1,345	958	377
Mineral and oil land.....	46,218	22,638	6,293	12,696	3,122	440	21	66	23,580	16,883	6,697
Owned.....	39,382	17,137	4,692	10,605	1,452	410	7	61	22,245	15,925	6,320
Held under lease.....	6,836	5,501	1,691	2,091	1,670	30	14	5	1,335	958	377
Timber land.....	7,108	5,825	2,045	670	2,910	.....	.....	.....	1,543	1,543	.....
Other land.....	7,672	5,445	171	4,649	598	.....	27	.....	2,227	2,223	4
<b>Primary horsepower.....</b>	<b>12,614</b>	<b>8,070</b>	<b>4,497</b>	<b>1,110</b>	<b>1,109</b>	<b>658</b>	<b>563</b>	<b>143</b>	<b>4,544</b>	<b>2,113</b>	<b>2,431</b>

<sup>1</sup> Includes operators as follows: Gypsum, 1; marble, 1; sandstone, 2.<sup>2</sup> Includes operators as follows: Petroleum and natural gas, 1; placer gold, 8.