

SUPPLEMENT FOR CALIFORNIA



POPULATION
AGRICULTURE
MANUFACTURES
MINES AND QUARRIES

75175°—18—37

(565)

CHAPTER I.

NUMBER OF INHABITANTS.

Introduction.—This chapter gives the population of California, by counties and minor civil divisions, as enumerated at the Thirteenth Census, taken as of April 15, 1910, with comparative statements of population where possible, and a statement and discussion for the state as a whole of the population living in urban and in rural territory. The statistics are given in detail in two general tables.

Table 1 (p. 574) shows the population of California, distributed according to counties and minor civil divisions, at the last three censuses, namely, those of 1910, 1900, and 1890. The counties and primary divisions are arranged alphabetically, with the exception of 18 counties, in which the primary divisions are arranged numerically. The figures for secondary divisions are printed in italics. The changes in boundaries, name, or form of organization that have taken place since 1900 are indicated in the footnotes to the table. For changes between 1890 and 1900 reference must be made to the census report of 1900.

It may be noticed that the county totals as given in Table 1 for 1900 and 1890 sometimes exceed the aggregate population of the minor civil divisions as shown in the table. This is for the most part due to the territorial changes that have been made in the minor civil divisions of certain counties since 1890. In other cases cities returned in 1910 as parts of townships were returned independently in 1900 and 1890, and some townships reported separately at one census were reported in combination with other townships at another census.

Table 2 (p. 582) shows the cities and incorporated towns in California, alphabetically arranged, with their population in 1910, 1900, and 1890.

The population of California, by counties, at each of the last five censuses, from 1870 to 1910, inclusive; the

increase during the last two decades; the density of the total and the rural population at the census of 1910; and the distribution of the population at the last two censuses according to urban and rural districts, are given in Table I of Chapter 2.

The tables and text of the present chapter contain few technical expressions whose meaning is not apparent. The census usage in regard to certain terms is, however, explained below:

Density of population.—The density of population of a state or county is obtained by dividing its total population by the number of square miles in its land area. In calculating the density of rural population, the same divisor is used as it is not practicable to ascertain and deduct the exact area covered by the urban districts, and even if this could be done with accuracy the deduction of this area from the total land area would ordinarily make no appreciable difference in the resulting quotient.

Minor civil divisions.—The counties are divided generally into smaller political units which bear different designations in the different parts of the country, such as towns, judicial townships, election precincts, etc. Of these minor civil divisions those which rank next to the county as geographic areas are termed primary divisions. In many instances, however, these primary divisions contain political units of still smaller area, such as cities, incorporated villages, towns, or boroughs. These smaller political units are referred to as secondary divisions.

Urban and rural population defined.—The Census Bureau, for purposes of discussion, has defined urban population as that residing in cities and other incorporated places of 2,500 inhabitants or more, and rural population as that residing outside of such incorporated places.

The comparisons of the urban and rural population in 1910 with that at earlier enumerations may be made either with respect to the varying proportions of the two classes at successive enumerations or with respect to the increase between enumerations. In order to contrast the *proportion* of the total population living in urban or rural territory at the census of 1910 with the proportion urban or rural at the preceding census, it is necessary to classify the territory according to the conditions *as they existed* at each census. In this comparison a place having less than 2,500 inhabitants in 1900 and

HISTORICAL NOTE.—California was named by Spanish discoverers from a fabulous island described in a Spanish romance as "on the right hand of the Indies * * * very near to the Terrestrial Paradise."

The territory now constituting the state of California was first visited by white men in 1542, when Juan Cabrillo, a Portuguese navigator in the service of Spain, explored the coast and islands in the Santa Barbara region and probably sailed as far north as Monterey Bay. In 1579 Sir Francis Drake sailed along the coast and landed, supposedly at Drake's Bay, a few miles northwest of San Francisco. He named the country New Albion and took possession in the name of Elizabeth of England. The English did not occupy the region, however, and the first settlement was made by the Spaniards, in 1769, when the Franciscan Fathers founded a mission at San Diego. In 1776 the Mission Dolores was established where San Francisco now stands.

California was under Spanish rule until 1822, when, on the successful termination of the Mexican Revolution, it declared its independence of Spain and its allegiance to the newly established Mexican Government.

For several years prior to 1846 large numbers of immigrants from the United States had been arriving in California, and in June of that year a revolt against Mexico was begun by the American settlers. The Mexican War was already in progress, and during July and August, 1846, the American flag was raised at Monterey, San Francisco, Sonoma, Sacramento, San Jose, San Juan Bautista, San Diego, Santa Barbara, San Pedro, and Los Angeles. The final surrender of the Mexican forces to those of the United States took place in January, 1847. In February, 1848, by the treaty of Guadalupe Hidalgo, the Mexican claims to California and to territory north of the Gila and Rio Grande were ceded to the United States.

From 1846 to 1849 California was under military and provisional rule by the United States. In October, 1849, a state constitution was adopted by a convention held at Monterey; in the following month it was ratified by the people, and state officers were elected. On September 9, 1850, California became a state of the Union.

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 censuses.

TOTAL POPULATION, INCREASE, AND DISTRIBUTION.

Population of the state.—The population of California is 2,377,549. Compared with a population of 1,485,053 in 1900, this represents an increase during the last decade of 892,496, or 60.1 per cent. During the same period the total population of the United States increased 21 per cent. The percentage of increase for the state during this decade is nearly

three times the rate shown for the preceding decade, 1890-1900.

The following table shows the population of California at each 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.....	2,377,549	892,496	60.1	21.0
1900.....	1,485,053	271,655	22.4	20.7
1890.....	1,213,398	348,704	40.3	25.5
1880.....	864,694	304,447	54.3	30.1
1870.....	560,247	180,253	47.4	22.6
1860.....	379,994	287,397	310.4	35.6
1850.....	92,597			

¹Includes population (5,268) of Indian reservations specially enumerated.

California was admitted as a state in 1850 and appears in the Federal census reports for the first time in that year. Naturally, its most rapid growth was during the decade immediately following the discovery of gold in the state, which was its first decade of statehood, 1850-1860. The percentage of increase for this decade is more than five times the rate shown for any succeeding decade. Although the growth of the state during the 50 years since 1860 has been much slower than during the decade from 1850 to 1860, it has been substantial, the rates of decennial increase ranging from 22.4 per cent for the decade 1890-1900 to 60.1 per cent for the last decade.

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 each decade since 1850 the population of California has increased more rapidly than that of the United States. The difference between the two rates during the decade 1850-1860 was large; and the differences have been moderately large during every decade since then except during the decade 1890-1900, when the two rates approached each other very closely. The population of the state in 1910 was more than twenty-five times as large as in 1850, when the population of the

state was first returned, while the population of the United States in 1910 was a little less than four times that in 1850.

Principal cities.—California has 125 cities. San Francisco, the largest city, has a population of 416,912 and Los Angeles, the second city, a population of 319,198. Oakland, with 150,174 inhabitants, is the only other city in the state having over 100,000 inhabitants. There are also 5 cities having from 25,000 to 50,000, 13 from 10,000 to 25,000, 10 from 5,000 to 10,000, 34 from 2,500 to 5,000, and 60 less than 2,500 inhabitants. The aggregate population of the 125 cities is 1,539,144, or 64.7 per cent of the total population of the state.

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 8 cities having in 1910 over 25,000 inhabitants, as reported at each census since their incorporation either as cities or towns, so far as figures are available, together with the increase during each decade.

Of the cities included in this table, Pasadena shows the highest rate of increase during the last decade, namely, 232.2 per cent, and San Francisco the lowest, 21.6 per cent.

The most rapid growth of San Francisco was during the decades from 1860 to 1880, its population increasing more than fourfold during this period, while during the 30 years since 1880 its population has less than doubled. Its lowest rate of decennial increase was 14.6 per cent for the decade 1890-1900. The next lowest rate, 21.6 per cent, was for the last decade, 1900-1910. Had it not been for the great earthquake and fire of 1906, the growth would probably have been much larger.

Los Angeles, unlike San Francisco, has shown its most rapid growth during the recent decades. For the first decade after its incorporation the percentage of increase was 172.4, this representing, however, an absolute increase of only 2,775. For the next two decades the percentages of increase were much smaller. Since 1890 the population of the city has increased more than sixfold, the absolute increase of the last decade being more than twice the population of the city in 1900 and more than four times its population in 1890.

CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.
Berkeley:				Sacramento—Continued.			
1910.....	40,434	27,220	206.0	1890.....	26,386	4,906	23.2
1900.....	13,214	8,113	159.0	1880.....	21,420	5,137	31.5
1890.....	5,101			1870.....	16,283	2,493	15.1
				1860.....	13,785	6,955	102.1
				1850.....	6,820		
Los Angeles:				San Diego:			
1910.....	319,198	219,719	211.5	1910.....	39,578	21,873	123.6
1900.....	102,479	52,064	103.4	1900.....	17,700	1,541	8.5
1890.....	50,395	39,212	350.6	1890.....	16,159	13,522	512.8
1880.....	11,183	5,455	85.2	1880.....	2,637	337	14.7
1870.....	5,723	1,343	30.6	1870.....	2,300	1,569	214.6
1860.....	4,385	2,776	172.4	1860.....	731		
1850.....	1,610			San Francisco:			
Oakland:				1910.....	416,012	74,130	21.6
1910.....	150,174	83,214	124.3	1900.....	342,782	43,785	14.6
1900.....	66,960	18,278	37.5	1890.....	298,997	65,038	27.8
1890.....	48,682	14,127	40.9	1880.....	233,059	84,489	56.5
1880.....	34,555	24,055	229.1	1870.....	149,473	92,671	163.1
1870.....	10,500	8,967	580.5	1860.....	56,802		
1860.....	1,543			1850 ¹			
Pasadena:				San Jose:			
1910.....	30,201	21,174	232.2	1910.....	28,946	7,440	34.6
1900.....	9,117	4,235	86.7	1900.....	21,500	3,440	19.0
1890.....	4,862			1890.....	18,060	5,493	43.7
Sacramento:				1880.....	12,567	3,473	38.3
1910.....	44,696	15,414	52.6	1870.....	9,089		
1900.....	29,282	2,896	11.0				

¹ The returns for 1850 for San Francisco were destroyed by fire; the state census for 1852 reports a population of 34,776.

Counties.—California has 58 counties. The population of these counties ranges from 309 in Alpine County to 504,131 in Los Angeles County.

The following territorial changes have been made in the counties of California since 1900: Part of San Diego County was taken to form Imperial County in 1907 and part of Fresno County was annexed to Kings County in 1909.

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 56 counties and one combination of counties. The combined counties are San Diego and Imperial. 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. Forty-six counties and the one combination of counties increased in population during the last decade. The rates of increase of the 46 counties that show an increase range from four-tenths of 1 per cent in Del Norte County to 196 per cent in Los Angeles County, and the absolute increases of the same group of counties range

from 9 in Del Norte County to 333,833 in Los Angeles County. The combined counties of San Diego and Imperial increased 40,166, or 114.5 per cent. Ten counties have decreased in population during the last decade, the rates of decrease ranging from 5.8 per cent in Mono County to 39.3 per cent in Alpine County, and the absolute decreases from 125 in Mono County to 2,834 in Nevada County. The aggregate increase of population from 1900 to 1910 in the one combination and the 46 counties that show increases is 904,732; the aggregate decrease of population in the 10 counties that show decreases is 12,236. The difference, 892,496, is, of course, the total increase of population in the state.

The maps on page 572 show the increase or decrease in the total and the rural population, respectively, of each county of California during the last decade. In the counties 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 155,652 square miles. The average number of persons to the square mile in 1910 was 15.3; in 1900

and 1890 it was 9.5 and 7.8, 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 or more, but not excluding the land area of such places.

San Bernardino County, with 20,157 square miles, has the largest area. San Francisco County, coextensive with San Francisco city, with 43 square miles and 9,695.6 persons per square mile, has the smallest area and the highest density. Alpine, Inyo, and Mono 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 California the counties

are divided into 578 primary divisions, comprising 576 judicial townships and 2 cities. There are also 196 secondary divisions, comprising 123 cities and 73 towns. These secondary divisions usually form parts of their respective townships, but 10 cities and 1 town are coextensive with the judicial townships in which they are located. Besides these minor civil divisions there are 4 Indian reservations in the state, returned under the counties in which located.

Urban and rural population compared.—The following table presents the population of California at the censuses of 1910, 1900, and 1890, respectively, distributed among cities and towns grouped according to specified 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.....		2,377,549		1,485,053		1,213,398	100.0	100.0	100.0
Urban territory.....	70	1,469,739	40	777,699	33	589,464	61.8	52.4	48.6
Cities and towns of—									
100,000 inhabitants or more.....	3	886,284	2	445,261	1	298,997	37.3	30.0	24.6
50,000 to 100,000 inhabitants.....	1	66,980	1	66,980	1	50,395		4.5	4.2
25,000 to 50,000 inhabitants.....	5	183,945	1	20,282	2	75,068	7.7	2.0	0.2
10,000 to 25,000 inhabitants.....	13	196,701	6	98,854	5	70,626	8.3	6.7	5.8
5,000 to 10,000 inhabitants.....	10	64,108	9	62,977	5	28,124	2.7	4.2	2.3
2,500 to 5,000 inhabitants.....	39	138,701	21	74,365	19	66,254	5.8	5.0	5.5
Rural territory.....		907,810		707,354		623,934	38.2	47.6	51.4
Cities and towns of less than 2,500 inhabitants.....	128	153,052	76	90,748	68	77,643	6.4	6.1	6.4
Other rural territory.....		754,758		616,606		546,291	31.7	41.5	45.0

¹ Includes population (5,268) 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 1,469,739 inhabitants, or 61.8 per cent of the total population, while 907,810 inhabitants, or 38.2 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 777,699 inhabitants, or 52.4 per cent of the total population, while 707,354 inhabitants, or 47.6 per cent, lived in rural territory. There has thus been a considerable 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 the combined population of San Francisco, Los Angeles, and Oakland, the three cities having over 100,000 inhabitants each, represented 37.3 per cent of the total population of the state. In 1900 these three cities contributed 34.5 per cent of the total population of the state. At that time, however, Oakland was not in the group of places having over 100,000 inhabitants, for this city did not reach that

figure until some time between 1900 and 1910. The combined population of the remaining urban places, or those containing from 2,500 to 50,000 inhabitants each, in 1910 and 1900, represented 24.5 per cent and 17.9 per cent, respectively, of the total population of the state. In 1890 San Francisco contributed 24.6 per cent of the population of the state and the remaining urban places 23.9 per cent.

The 128 places of less than 2,500 inhabitants each, comprising 60 cities and 68 towns, have an aggregate population of 153,052, or 6.4 per cent of the total population of the state. These places comprise 66 having from 1,000 to 2,500 inhabitants each, with a combined population of 111,155; 47 having from 500 to 1,000 inhabitants each, with a combined population of 36,525; and 15 having less than 500 inhabitants each, with a combined population of 5,372. The population living in unincorporated territory represents 31.7 per cent of the total population of the state.

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 1,622,791, or 68.3 per cent of the population of the state. The population of all cities and incorporated towns, as

they existed in 1900, was 868,447, or 58.5 per cent of the population of the state.

Table I of Chapter 2 shows that 26 counties and the one combination of counties had a larger proportion and 1 county a smaller proportion of urban population in 1910 than in 1900, while for 1 county the proportion was the same. Six counties wholly rural in 1900 were partly urban in 1910. Twenty-two 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 in the next column, the total population in 1910 of the cities and towns which at that time had 2,500 inhabitants or more was 1,469,739; in 1900 the total population of these same cities and towns (so far as separately reported) was 810,193. 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, 777,699 (see table on p. 570) by 32,494. The difference is the net result of the passage, since 1900, of certain communities from the rural to the urban class and vice versa, 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 table in the next column, shows an increase of 81.4 per cent. This represents the rate of growth of urban communities as thus defined. During the same period there has been an increase of 34.5 per cent in the population living in rural territory. Urban population thus increased nearly two and one-half times as rapidly 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.

As shown by Table I of Chapter 2 there are 15 counties in which the population living in rural territory decreased and 1 county in which there was a decrease in urban population. Nevada was the only county that decreased in population in both urban and rural districts.

In the following table the population for the state as a whole is distributed so as to show, for 1910 and 1900, the combined population of cities having in 1910 100,000 inhabitants or more, the combined population of cities and towns having from 25,000 to 100,000, and from 2,500 to 25,000 inhabitants, respectively, and the population of the remainder of the state.

CLASS OF PLACES.	POPULATION.		INCREASE: 1900-1910	
	1910	1900	Number.	Per cent.
The state.....	2,377,549	1,485,053	892,496	60.1
Urban territory in 1910.....	1,469,739	810,193	659,546	81.4
Cities and towns of—				
100,000 inhabitants or more in 1910.	886,284	514,008	372,276	72.4
25,000 to 100,000 inhabitants in 1910.	183,945	90,813	93,132	102.6
2,500 to 25,000 inhabitants in 1910.	399,510	205,372	194,138	94.5
Remainder of the state.....	907,810	674,860	232,950	34.5

From this table it appears that the population in the group of urban places having 100,000 inhabitants or more increased during the last decade about one and one-fifth times, the group of places having from 25,000 to 100,000 inhabitants about one and two-thirds times, and the group of places having from 2,500 to 25,000 inhabitants about one and one-half times as rapidly as that of the state as a whole. The rate of increase in population for rural territory was a little more than half that of the state as a whole.

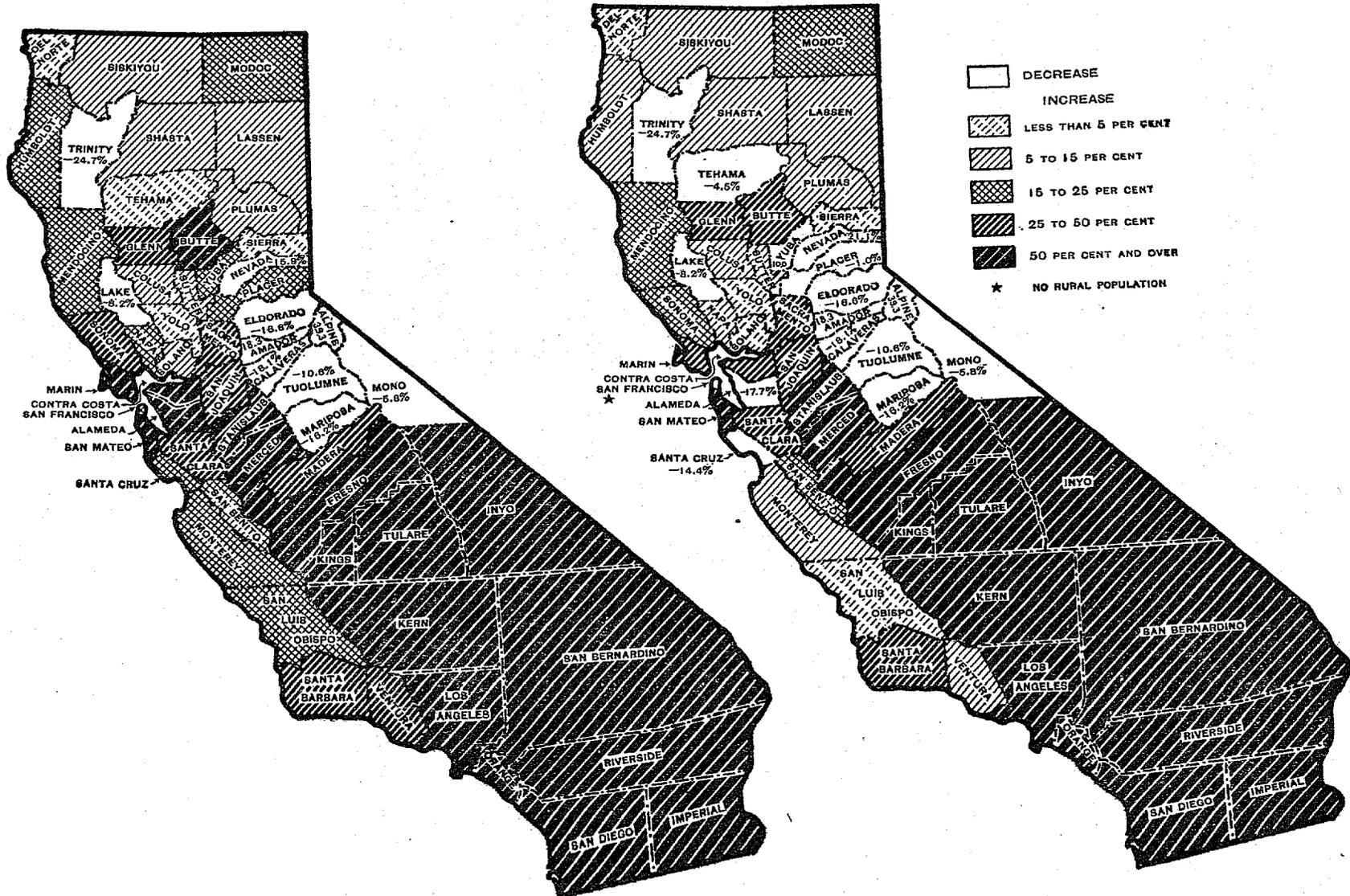
It also appears from this table that of the total increase in the population of the state during the decade, namely, 892,496, more than two-fifths was in cities of over 100,000 inhabitants.

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

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

TOTAL POPULATION.

RURAL POPULATION.

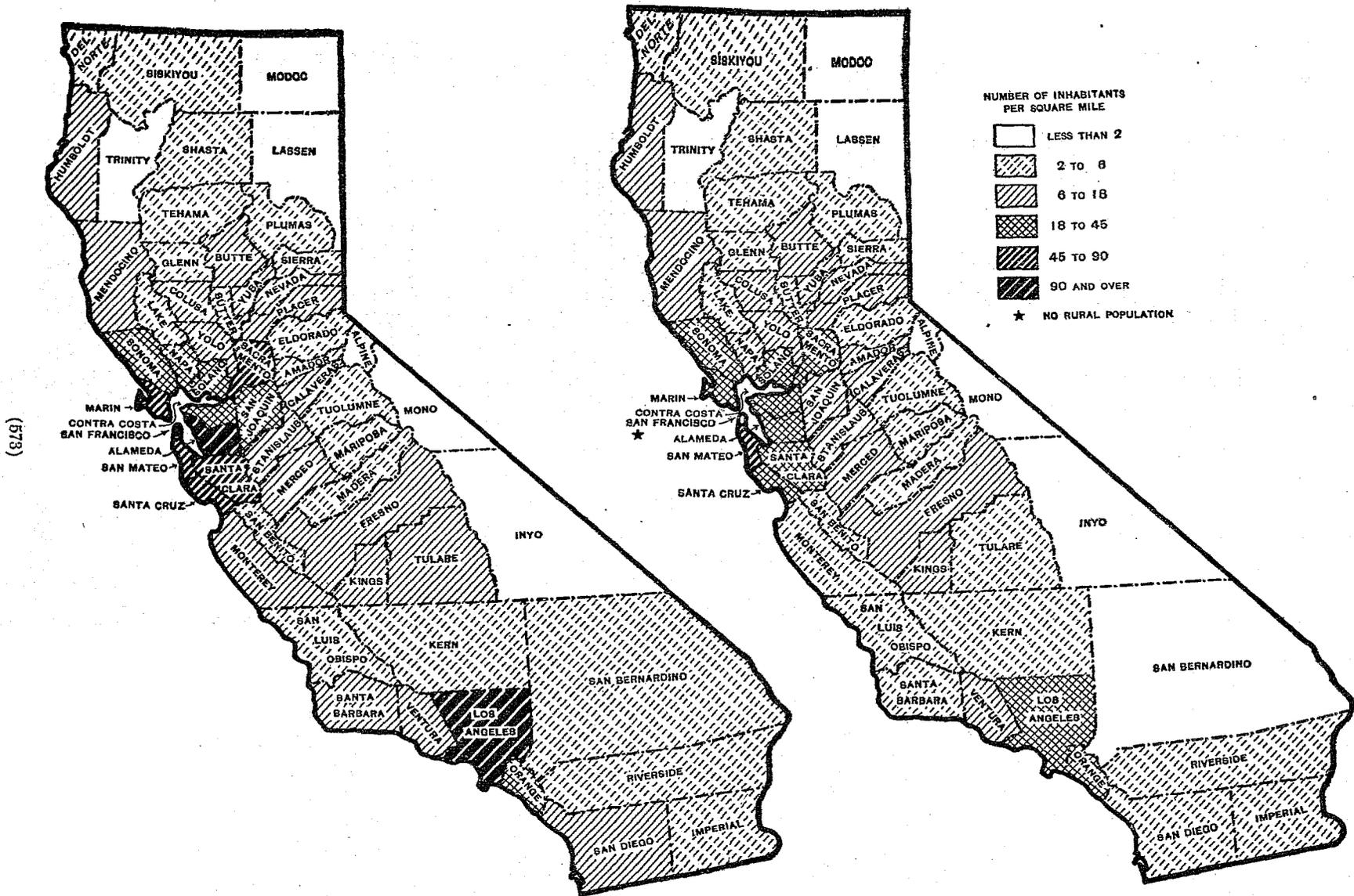


Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

DENSITY OF POPULATION OF CALIFORNIA, BY COUNTIES: 1910.

TOTAL POPULATION.

RURAL POPULATION.



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.

[Township means judicial township. 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
Alameda County	246,131	1130,197	193,864	Butte County—Continued.			
Alameda township, coextensive with Alameda city.....	23,353	16,464	11,165	Concow township.....	961	377	459
Alameda city.....				Dayton township.....	739	460	510
Ward 1.....	2,227			Gridley township, including Gridley city.....	2,081	1,224	1,323
Ward 2.....	3,237			Gridley city ¹²	987		
Ward 3.....	4,873			Hamilton township, including Biggs city.....	1,837	2,070	1,819
Ward 4.....	4,804			Biggs city ¹³	403		
Ward 5.....	2,943			Honcut township.....	471	663	853
Ward 6.....	3,635			Humboldt township.....	119	373	
Ward 7.....	1,859			Kimshew township.....	1,927	1,242	1,482
Brooklyn township, ² including ward 7 of Oakland city and part of San Leandro city.....	49,140	38,168	33,108	Mountain Spring township.....	256	261	426
Oakland city (part of).....	48,677			Nelson township.....	178	200	232
Total for Oakland city ⁴ in Brooklyn and Oakland townships.....	150,174	66,960	48,682	Ophir township, including Oroville city.....	4,979	2,804	2,210
Ward 1.....	26,977			Oroville city ¹⁴	3,859		
Ward 2.....	17,550			Oregon township.....	526	841	1,010
Ward 3.....	13,676			Oro township.....	222	554	284
Ward 4.....	13,268			Wyandotte township.....	643	856	804
Ward 5.....	14,531						
Ward 6.....	15,596			Calaveras County	9,171	11,200	8,882
Ward 7.....	48,677			Township 1, San Andreas ¹⁵	1,120	1,683	1,640
San Leandro city (part of).....	378			Township 2, Mokelumne ¹⁶	1,713	1,971	2,002
Total for San Leandro city ⁵ in Brooklyn and Eden townships.....	3,471	2,263		Township 3, Murphys ¹⁷	1,077	1,563	1,532
Eden township, including Hayward town and part of San Leandro city.....	11,515	9,330	7,336	Township 4, Angels ¹⁸	3,370	4,258	1,950
Hayward town.....	4,746	1,965	1,419	Township 5, Jenny Lind ¹⁹	1,891	1,725	1,738
San Leandro city (part of).....	3,093	2,263					
Murray township, ⁶ including Livermore town.....	4,137	7,172	5,937	Colusa County	7,732	207,364	11,640
Livermore town.....	2,030	1,493	1,391	Arbuckle township.....	1,249	1,459	
Oakland township, ⁷ including Albany, Berkeley, and Piedmont cities and Emeryville town, and wards 1 to 6 of Oakland city.....	147,199	15,189	12,040	Colusa township, ²⁰ including Colusa town.....	2,518	2,721	
Albany city ⁸	308			Colusa town.....	1,332	1,441	1,350
Berkeley city ⁹	40,434	13,214	5,101	Grand Island township.....	684	583	
Precinct 1.....	2,223			Maxwell township.....	864	1,007	
Precinct 2.....	3,133			Princeton township ²¹	601		
Precinct 3.....	851			Stony Ford township.....	353	356	
Precinct 4.....	1,204			Williams township ²²	1,463	918	
Precinct 5.....	2,109						
Precinct 6.....	2,091			Contra Costa County	31,874	118,046	113,515
Precinct 7.....	1,774			Township 1, including Martinez town.....	3,072		
Precinct 8.....	1,334			Martinez town.....	2,115	1,380	1,600
Precinct 9.....	2,358			Township 2.....	873		
Precinct 10.....	3,541			Township 3.....	1,330		
Precinct 11.....	3,421			Township 4.....	1,146		
Precinct 12.....	2,166			Township 5, including Concord town.....	2,250		
Precinct 13.....	2,233			Concord town ²³	703		
Precinct 14.....	1,497			Township 6, including Black Diamond town.....	3,626		
Precinct 15.....	3,529			Black Diamond town ²⁴	3,372		
Precinct 16.....	2,136			Township 7.....	1,432		
Precinct 17.....	2,039			Township 8, including Antioch town.....	2,229		
Precinct 18.....	1,031			Antioch town.....	1,124	674	555
Precinct 19.....	1,792			Township 9.....	2,075		
Emeryville town.....	2,613	1,016	228	Township 10.....	1,379		
Oakland city (part of).....	101,497			Township 11, including Hercules and Pinole towns.....	1,776		
Piedmont city ¹⁰	1,719			Hercules town ²⁵	279		
Pleasanton township, ⁶ including Pleasanton town.....	2,333			Pinole town ²⁶	708		
Pleasanton town.....	1,264	1,100		Township 12.....	2,402		
Washington township.....	7,874	6,914	5,596	Township 13.....	449		
				Township 14.....	833		
Alpine County ¹¹	309	509	667	Township 15, coextensive with Richmond city ²⁴	6,802		
Township 1.....	309						
Amador County	9,086	11,116	10,320	Del Norte County	2,417	2,408	2,592
Township 1, Jackson, including Jackson city.....	3,226	3,550	2,622	Crescent township, including Crescent City.....	1,688	1,137	1,620
Jackson city ¹²	2,035			Crescent City.....	1,114	690	907
Township 2, Lone.....	1,551	1,772	1,822	Klamath township.....	347	358	283
Township 3, Volcano.....	1,064	1,094	1,535	Smith River township.....	382	913	709
Township 4, Sutter Creek.....	2,047	2,647	2,335				
Township 5, Plymouth.....	1,198	1,453	2,006	Eldorado County	7,492	8,986	9,232
				Coloma township.....	367	450	537
Butte County	27,301	17,117	17,939	Cosumnes township.....	417	571	565
Bidwell township.....	587	384	630	Diamond Springs township.....	708	1,096	832
Chico township, including Chico city.....	11,775	4,739	5,598	Georgetown township.....	599	915	1,025
Chico city.....	5,760	2,640	2,894	Greenwood township.....	373	459	411
Ward 1.....	803			Kelsey township.....	226	276	376
Ward 2.....	530			Lake Valley township.....	169	245	268
Ward 3.....	796			Mountain township.....	406	277	446
Ward 4.....	989			Mud Springs township.....	840	1,212	1,220
Ward 5.....	633			Placerville township, including Placerville city.....	2,775	2,645	2,593
				Placerville city.....	1,614	1,748	1,680
				Salmon Falls township.....	217	430	361
				White Oak township.....	395	405	598

¹ County totals include population (66,960 in 1900; 48,682 in 1890) of Oakland city, returned independently.
² Parts annexed to Oakland and San Leandro cities in 1909.
³ Exclusive of population of Oakland city.
⁴ Parts of Brooklyn and Oakland townships annexed in 1909.
⁵ Part of Brooklyn township annexed in 1909.
⁶ Pleasanton township organized from part of Murray township in 1902.
⁷ Parts annexed to Berkeley city in 1906 and 1908 and part annexed to Oakland city in 1909.
⁸ Name changed from Ocean View in 1909. Incorporated in 1908.
⁹ Parts of Oakland township annexed in 1906 and 1908.
¹⁰ Incorporated in 1907.
¹¹ County reorganized in 1900.
¹² Incorporated in 1905.
¹³ Incorporated in 1903.

¹⁴ Incorporated in 1906.
¹⁵ Returned as township 2 in 1900.
¹⁶ Returned as township 3 in 1900.
¹⁷ Returned as township 4 in 1900.
¹⁸ Returned as township 5 in 1900.
¹⁹ Returned as township 1 in 1900.
²⁰ County total includes population (341) of Leesville township, annexed to Williams township since 1900.
²¹ No comparison of population can be made; county redistricted between 1890 and 1900.
²² Princeton township organized from part of Colusa township in 1902.
²³ Leesville township annexed in 1901.
²⁴ No comparison of population can be made; county redistricted in 1910.
²⁵ Incorporated in 1900.
²⁶ Incorporated as a city in 1908.

STATISTICS OF POPULATION.

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

Township means judicial township. 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
Fresno County¹.....	75,657	237,862	32,026	Imperial County—Continued.			
Township 1.....	1,388	1,453	4,568	Holtville township, including Holtville city.....	2,073		
Township 2.....	4,799	2,936	2,930	Holtville city ⁵	729		
Township 3, ² including Fresno city.....	32,402	17,239	13,649	Imperial township, including Imperial city.....	2,369		
Fresno city ³	24,892	18,470	10,818	Imperial city ¹⁹	1,257		
Ward 1.....	8,677			Laguna township.....	212		
Ward 2.....	2,640			Old Beach township.....	480		
Ward 3.....	3,172			Palo Verde township.....	63		
Ward 4.....	2,020			Picacho township.....	396		
Ward 5.....	3,794			Silsbee township.....	384		
Ward 6.....	2,653						
Ward 7.....	2,790						
Ward 8.....	4,141						
Township 4, including Fowler town.....	5,878	3,236	2,604	Inyo County.....	6,974	4,377	20 3,544
Fowler town ⁶	676			Township 1, including Bishop city.....	2,856	1,016	792
Township 5, including Selma town.....	4,843	2,863	2,573	Bishop city ¹⁹	1,190		
Selma town.....	1,760	1,083	1,150	Township 2.....	900	1,163	990
Township 6, ⁶ including Coalinga city.....	7,851	811	834	Township 3.....	701	820	662
Coalinga city ⁷	4,199			Township 4.....	1,338	478	205
Township 7 ⁸	4,271	3,076	1,351	Township 5 ²¹	1,179		
Township 8 ⁹	3,344	2,379	2,252				
Township 9 ¹⁰ including Kingsburg city.....	2,396	1,339	1,265	Kern County.....	37,715	16,480	22 9,808
Kingsburg city ⁴	684			Township 1 ²³	743	1,313	
Township 10.....	1,601	2,132		Township 2, including Tehachapi town.....	1,310	1,187	
Township 11 ¹¹	2,641			Tehachapi town ¹⁰	385		
Township 12 ¹²	660			Township 3 ²⁴	2,756	2,313	
Township 13 ¹³	2,035			Township 4.....	1,026	594	
Township 14 ¹⁴	1,493			Township 5 ²⁵	1,097	1,640	
				Township 6, including Bakersfield city.....	16,451	5,995	
Glean County.....	7,172	5,150		Bakersfield city ²⁴	12,727	4,339	2,620
Township 1.....	665	610		Precinct 1.....	1,647		
Township 2, including Orland town.....	1,571	839		Precinct 2.....	1,799		
Orland town ¹⁶	839			Precinct 3.....	898		
Township 3.....	445	578		Precinct 4.....	1,098		
Township 4, including Willows town.....	2,984	1,622		Precinct 5.....	859		
Willows town.....	1,159	892	1,176	Precinct 6.....	1,650		
Township 5.....	743	555		Precinct 7.....	645		
Township 6.....	224	279		North precinct.....	2,183		
Township 7.....	540	687		South precinct.....	1,051		
				Township 7 ²⁶	206	102	
Humboldt County.....	33,857	27,104	23,469	Township 8.....	253	269	
Briceland township ¹⁶	308			Township 9.....	498	699	
Bucksport township.....	1,034	1,019	1,312	Township 10.....	3,150	488	
Eureka township, including Eureka city.....	13,763	8,504	7,011	Township 11.....	2,000	1,023	
Eureka city.....	11,845	7,527	4,833	Township 12 ²⁶	1,952	1,557	
Ward 1.....	1,766			Township 13 ²⁷	1,397		
Ward 2.....	1,834			Township 14 ²⁸	424		
Ward 3.....	2,798			Township 15 ²⁸	1,072		
Ward 4.....	1,614			Township 16 ²⁸	2,480		
Ward 5.....	3,504						
Hydesville township.....	3,006	1,825	1,511	Kings County¹.....	16,230	20 9,871	
Klamath township.....	768	367	792	Armona township ³⁰	2,177		
Mad River township, including Blue Lake town.....	1,111	1,425	1,303	Corcoran township ³⁰	1,003		
Blue Lake town ¹⁷	507			Lemoore township, ³¹ including Lemoore city.....	3,852	1,772	
Mattole township.....	507	675	520	Lemoore city ³¹	1,000		
Orleans township.....	265	355	317	Lucerne township, ³² including Hanford city.....	9,198	7,947	842
Pacific township, including Ferndale town.....	3,135	3,446	3,120	Hanford city.....	4,829	2,929	
Ferndale town.....	905	843	763				
Rohnerville township, including Fortuna town.....	2,000	2,107	1,665	Lake County.....	5,526	6,017	7,101
Fortuna town ¹	838			Township 1.....	889	1,156	1,443
South Fork township ¹⁶	464	923	955	Township 2.....	820	1,075	1,421
Table Bluff township.....	900	926	828	Township 3.....	1,134	1,354	1,496
Trinidad township.....	1,502	878	433	Township 4, including Lakeport town.....	1,465	1,358	1,617
Union township, including Arcata town.....	3,473	2,955	2,984	Lakeport town.....	370	261	
Arcata town.....	1,121	552	662	Township 5.....	1,218	1,074	1,124
Van Duzen township.....	439	587	659				
Hoopa Valley Indian Reservation.....	592	1,112		Lassen County.....	4,302	4,511	4,239
				Township 1, including Susanville town.....	982	1,089	1,110
Imperial County¹⁸.....	13,591			Susanville town ³²	688		
Brawley township, including Brawley city.....	2,218			Township 2.....	625	602	550
Brawley city ⁵	831			Township 3.....	1,256	1,205	985
Calexico township, including Calexico city.....	1,837			Township 4.....	1,016	926	1,025
Calexico city.....	797			Township 5.....	923	689	589
El Centro township, including El Centro city.....	2,500						
El Centro city ⁵	1,610						
Hanlon township, including Yuma Indian Res- ervation.....	1,000						
Yuma Indian Reservation.....	669	817					

¹ Part of Fresno County annexed to Kings County in 1909.
² County total includes population (398) of old township 11, annexed to township 13 since 1900.
³ Part taken to form township 11 in 1908 and part annexed to Fresno city in 1910.
⁴ Part of township 3 annexed in 1910.
⁵ Incorporated in 1908.
⁶ Part annexed to Kings County in 1909.
⁷ Incorporated in 1906.
⁸ Part taken to form township 14 in 1910 and part of township 12 in 1908.
⁹ Part taken to form part of township 12 in 1908.
¹⁰ Part taken to form township 13 in 1903.
¹¹ Organized from part of township 3 in 1908.
¹² Organized from parts of townships 7 and 8 in 1908.
¹³ Organized from part of township 9 in 1903 and old township 11 annexed in 1908; part annexed to Kings County in 1909.
¹⁴ Organized from part of township 7 in 1910.
¹⁵ Incorporated in 1909.
¹⁶ Briceland township organized from part of South Fork township in 1902.
¹⁷ Incorporated in 1910.
¹⁸ Organized from part of San Diego County in 1907.

¹⁹ Incorporated in 1904.
²⁰ County total includes population (895) of old township 2, annexed to township 1 between 1890 and 1900.
²¹ Organized since 1900.
²² No comparison of population can be made; county redistricted between 1890 and 1900.
²³ Township 14 organized from part of township 1 in 1901.
²⁴ Part of township 3 (Kern city) annexed to Bakersfield city in 1909.
²⁵ Part taken to form township 13 in 1901.
²⁶ Township 15 organized from parts of townships 7 and 12 in 1902.
²⁷ Organized from part of township 5 in 1901; part taken to form township 16 in 1910.
²⁸ Organized from part of township 13 in 1910.
²⁹ County total includes population (162) of West End township, annexed to Lemoore township since 1900.
³⁰ Armona and Corcoran townships organized from parts of Lucerne township in 1903 and 1907, respectively.
³¹ West End township annexed in 1902 and territory taken from Fresno County annexed in 1909.
³² Incorporated in 1900.

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

[Township means judicial township. 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. 1, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
Los Angeles County	504,181	1,170,298	1,101,454	Los Angeles County—Continued.			
Antelope township.....	1,047	415	.....	Rowland township, ¹⁸ including Covina city.....	3,476	2,051	736
Azusa township, including Azusa city.....	4,154	2,561	1,851	Covina city ¹⁹	1,652	.....	.....
Azusa city.....	1,477	898	.....	San Antonio township, including Huntington Park, Vernon, and Watts cities.....	13,573	2,169	3,269
Ballona township, ² including Inglewood and Ocean Park cities.....	7,249	3,080	4,492	Huntington Park city ⁷	1,299	.....	.....
Inglewood city ³	1,536	.....	.....	Vernon city ²⁰	772	.....	.....
Ocean Park city ⁴	3,119	.....	.....	Watts city ²¹	1,922	.....	.....
Precinct 1.....	620	.....	.....	San Fernando township ⁹	2,134	1,326	1,110
Precinct 2.....	1,452	.....	.....	San Gabriel township, ⁶ including Alhambra city.....	8,550	2,501	1,713
Precinct 3.....	1,047	.....	.....	Alhambra city ¹⁴	5,021	.....	.....
Belvedere township ⁵	2,621	.....	.....	San Jose township, including Claremont, Lordsburg, and Pomona cities.....	14,719	7,096	5,010
Burbank township, ⁶ including Glendale city and part of assembly district 67 of Los Angeles city.....	12,255	3,048	2,906	Claremont city ¹⁷	1,114	.....	.....
Glendale city ⁷	2,746	.....	.....	Lordsburg city ⁷	954	.....	.....
Los Angeles city (part of).....	800	.....	.....	Pomona city.....	10,207	5,528	3,524
Total for Los Angeles city ⁸ in Burbank, Cahuenga, and Los Angeles townships.....	519,198	102,479	50,395	Ward 1.....	1,766	.....	.....
Assembly district 67.....	1,000	.....	.....	Ward 2.....	1,672	.....	.....
Assembly district 69.....	25,908	.....	.....	Ward 3.....	2,003	.....	.....
Assembly district 70.....	74,851	.....	.....	Ward 4.....	2,211	.....	.....
Assembly district 71.....	57,800	.....	.....	Ward 5.....	2,655	.....	.....
Assembly district 72.....	58,322	.....	.....	Santa Monica township, ¹⁴ coextensive with Santa Monica city.....	7,847	5,521	2,327
Assembly district 73.....	38,023	.....	.....	Santa Monica city.....	7,847	5,057	1,580
Assembly district 74.....	55,460	.....	.....	Ward 1.....	1,458	.....	.....
Assembly district 75.....	47,214	.....	.....	Ward 2.....	889	.....	.....
Cahuenga township, ⁶ including part of assembly district 74 of Los Angeles city.....	7,432	1,586	1,725	Ward 3.....	762	.....	.....
Los Angeles city (part of).....	5,765	.....	.....	Ward 4.....	1,165	.....	.....
Calabasas township.....	492	488	440	Ward 5.....	1,512	.....	.....
Catalina township.....	670	487	.....	Ward 6.....	1,531	.....	.....
Chatsworth Park township ⁹	290	.....	.....	Ward 7.....	900	.....	.....
Compton township, ¹⁰ including Compton city.....	2,388	1,683	2,013	Soledad township.....	1,887	934	2,711
Compton city.....	922	.....	.....	South Pasadena township, coextensive with South Pasadena city.....	4,649	1,001	623
Downey township ¹¹	3,277	4,458	3,538	South Pasadena city:			
El Monte township, ¹² including Monrovia city.....	4,048	3,016	2,557	Precinct 1.....	1,578	.....	.....
Monrovia city.....	3,579	1,205	907	Precinct 2.....	1,012	.....	.....
Precinct 1.....	1,354	.....	.....	Precinct 3.....	1,160	.....	.....
Precinct 2.....	1,044	.....	.....	Madera County	8,368	21,634	.....
Precinct 3.....	1,169	.....	.....	Township 2.....	779	777	.....
Fairmont township.....	932	427	721	Township 3, ²² including Madera city.....	4,320	2,175	.....
Gardena township ¹³	3,552	.....	.....	Madera city ¹⁴	2,404	.....	.....
Lankershim township ⁹	843	.....	.....	Township 4.....	2,148	1,790	.....
Lexington township ¹²	1,886	.....	.....	Township 5.....	1,121	1,044	.....
Long Beach township, including Long Beach city.....	20,616	3,285	1,051	Marin County	25,114	15,702	13,072
Long Beach city.....	17,809	2,852	504	Bolinas township.....	548	340	306
Ward 1.....	4,961	.....	.....	Nicasio township.....	479	500	538
Ward 2.....	2,252	.....	.....	Novato township.....	611	834	654
Ward 3.....	3,273	.....	.....	Point Reyes township.....	465	816	770
Ward 4.....	3,021	.....	.....	San Antonio township.....	310	339	337
Ward 5.....	2,052	.....	.....	San Rafael township, including Larkspur, Ross, and San Anselmo towns, and San Rafael city.....	13,180	8,008	7,008
Ward 6.....	1,222	.....	.....	Larkspur town ²	694	.....	.....
Ward 7.....	994	.....	.....	Ross town ³	556	.....	.....
Los Angeles township, ⁹ including assembly districts 69 to 73, and 75 and parts of assembly districts 67 and 74 of Los Angeles city.....	313,104	102,479	50,395	San Anselmo town ¹⁷	1,521	.....	.....
Los Angeles city ⁸ (part of).....	512,633	102,479	50,395	San Rafael city.....	5,954	5,879	3,290
Los Nietos township, including Whittier city.....	7,819	3,339	1,926	Precinct 1.....	1,380	.....	.....
Whittier city.....	4,550	1,590	535	Precinct 2.....	1,340	.....	.....
Precinct 1.....	1,007	.....	.....	Precinct 3.....	1,812	.....	.....
Precinct 2.....	1,147	.....	.....	Precinct 4.....	1,335	.....	.....
Precinct 3.....	1,268	.....	.....	Precinct 5.....	1,017	.....	.....
Precinct 4.....	1,128	.....	.....	Sausalito township, including Belvedere, Mill Valley, and Sausalito towns.....	8,137	3,720	2,403
Malibu township, ¹⁴ including Sawtelle city.....	6,282	.....	.....	Belvedere town.....	481	454	.....
Sawtelle city ⁷	2,143	.....	.....	Mill Valley town ²³	2,561	.....	.....
Precinct 1.....	680	.....	.....	Precinct 1.....	979	.....	.....
Precinct 2.....	1,201	.....	.....	Precinct 2.....	857	.....	.....
Precinct 3.....	1,201	.....	.....	Precinct 3.....	615	.....	.....
Norwalk township ¹¹	2,484	.....	.....	Sausalito town.....	2,335	1,622	1,324
Pasadena township, ¹⁵ including Arcadia, Pasadena, and Sierra Madre cities.....	36,195	12,772	7,222	Tomasia township.....	1,084	1,145	1,096
Arcadia city ¹⁵	696	.....	.....	Mariposa County	3,956	4,720	3,787
Pasadena city ¹⁶	50,291	9,117	4,839	Township 1, including Hornitos town.....	622	1,604	676
Ward 1.....	6,323	.....	.....	Hornitos town.....	160	205	272
Ward 2.....	4,223	.....	.....	Township 2.....	779	213	939
Ward 3.....	6,065	.....	.....	Township 3.....	930	794	583
Ward 4.....	4,664	.....	.....	Township 4.....	654	1,069	697
Ward 5.....	6,320	.....	.....	Township 5.....	1,271	1,100	892
Ward 6.....	9,333	.....	.....		
Sierra Madre city ¹⁷	1,503	.....	.....		
Puente township ¹⁸	1,030	.....	.....		
Redondo township, including Hermosa Beach and Redondo Beach cities.....	5,016	942	668				
Hermosa Beach city ⁷	679	.....	.....		
Redondo Beach city.....	2,835	855	603				

¹ County totals include population (2,983 in 1900; 2,300 in 1890) of Wilmington township, part taken to form part of Gardena township and part annexed to Los Angeles city and township since 1900.
² Part taken to form part of Gardena township in 1905 and part annexed to Los Angeles city and township in 1906.
³ Incorporated in 1908.
⁴ Incorporated in 1904.
⁵ Belvedere township organized from part of San Gabriel township in 1907.
⁶ Part annexed to Los Angeles city and township in 1910.
⁷ Incorporated in 1906.
⁸ Part of Ballona township annexed in 1906, part of Wilmington township (including San Pedro city) annexed in 1909, and parts of Burbank and Cahuenga townships annexed in 1910.
⁹ Chatsworth Park and Lankershim townships organized from parts of San Fernando township in 1902 and 1905, respectively.

¹⁰ Part taken to form part of Gardena township in 1905.
¹¹ Norwalk township organized from part of Downey township in 1907.
¹² Lexington township organized from part of El Monte township in 1907.
¹³ Organized from parts of Ballona, Compton, and Wilmington townships in 1905.
¹⁴ Malibu township organized from part of Santa Monica township in 1909.
¹⁵ Parts of Pasadena township annexed to Pasadena city in 1904 and 1906.
¹⁶ Incorporated in 1903.
¹⁷ Incorporated in 1907.
¹⁸ Puente township organized from part of Rowland township in 1907.
¹⁹ Incorporated in 1901.
²⁰ Incorporated in 1905.
²¹ County total includes population (578) of township 1, annexed to township 3 since 1900.
²² Township 1 annexed in 1906.
²³ Incorporated in 1900.

STATISTICS OF POPULATION.

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

(Township means judicial township. 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
Mendocino County	23,929	20,465	17,612	Napa County	19,800	16,451	16,411
Anderson township.....	1,166	1,069	1,061	Hot Springs township, ¹⁵ including Calistoga town.....	1,344	4,098	4,577
Arena township, including Point Arena city.....	1,753	1,853	2,220	<i>Calistoga town</i>	761	690	.....
<i>Point Arena city</i> ¹	497	.....	.....	Knox township.....	500	839	719
Big River township.....	3,531	2,347	2,450	Napa township, including Napa city.....	12,047	8,532	8,788
Cuffey Cove township.....	862	1,100	1,345	<i>Napa city</i>	5,791	4,036	4,595
Little Lake township, including Willits town.....	2,947	952	1,048	<i>Ward 1</i>	813	.....	.....
<i>Willits town</i>	1,153	791	815	<i>Ward 2</i>	1,245	.....	.....
Long Valley township.....	704	833	700	<i>Ward 3</i>	1,453	.....	.....
Potter Valley township, including Potter Valley town.....	694	752	538	<i>Ward 4</i>	768	.....	.....
<i>Potter Valley town</i>	578	563	.....	<i>Ward 5</i>	1,512	.....	.....
Round Valley township.....	918	933	975	St. Helena township, ¹⁵ including St. Helena town.....	3,057	1,588	1,705
Sanel township.....	752	957	(3)	<i>St. Helena town</i>	1,605	2,982	2,327
Tennile River township, including Fort Bragg city.....	3,798	3,134	1,889	Yount township.....	2,792	.....	.....
<i>Fort Bragg city</i>	2,403	1,590	945				
<i>Ward 1</i>	1,102	.....	.....	Nevada County	14,955	17,789	16,736
<i>Ward 2</i>	1,309	.....	.....	Bloomfield township.....	412	730	1,097
Ukiah township, ⁴ including Ukiah city.....	5,141	3,767	(9)	Bridgeport township.....	545	848	1,053
<i>Ukiah city</i>	2,139	1,850	1,627	Eureka township.....	283	375	440
Westport township.....	1,047	1,474	1,414	Grass Valley township, including Grass Valley city.....	6,251	7,043	6,798
Round Valley Indian Reservation.....	610	599	.....	<i>Grass Valley city</i>	4,520	4,719	.....
				Little York township.....	170	344	(15)
				Meadow Lake township.....	2,308	2,059	1,714
				Nevada township, including Nevada City.....	3,953	4,883	4,013
				<i>Nevada City</i>	2,639	3,200	2,524
				Rough and Ready township.....	747	1,076	1,131
				Washington township.....	233	420	(16)
Merced County	15,148	9,215	8,085	Orange County	34,436	19,698	17,159
Township 1.....	508	842	1,834	Anaheim township, including Anaheim town.....	4,051	2,261	2,917
Township 2, including Merced city.....	5,503	3,705	4,363	<i>Anaheim town</i>	2,623	1,456	1,273
<i>Merced city</i>	3,102	1,969	2,009	Buena Park township.....	1,441	995	.....
Township 3, ⁵ including Los Banos city.....	1,809	3,233	1,888	Fullerton township, including Fullerton city.....	4,984	1,719	.....
<i>Los Banos city</i> ⁶	745	.....	.....	<i>Fullerton city</i> ¹⁷	1,725	.....	.....
Township 4.....	659	656	.....	Huntington Beach township, ¹⁸ including Huntington Beach city.....	1,058	.....	.....
Township 5.....	2,838	779	.....	<i>Huntington Beach city</i> ²⁰	815	.....	.....
Township 6 ⁵	2,366	.....	.....	Los Alamitos township.....	409	253	.....
Township 7 ⁵	1,335	.....	.....	Orange township, including Orange city.....	5,430	3,293	2,721
				<i>Orange city</i>	2,220	1,216	869
				<i>Ward 1</i>	1,352	.....	.....
				<i>Ward 2</i>	1,563	.....	.....
				San Juan township.....	967	905	801
				Santa Ana township, including Newport Beach and Santa Ana cities.....	11,501	6,680	4,220
				<i>Newport Beach city</i> ²¹	445	.....	.....
				<i>Santa Ana city</i>	8,429	4,953	3,022
				<i>Ward 1</i>	1,101	.....	.....
				<i>Ward 2</i>	1,738	.....	.....
				<i>Ward 3</i>	1,854	.....	.....
				<i>Ward 4</i>	1,935	.....	.....
				<i>Ward 5</i>	1,751	.....	.....
				Westminster township ¹⁹	4,028	3,300	1,854
				Yorba township.....	477	290	.....
Modoc County	6,191	5,076	4,986	Placer County	18,237	15,786	15,101
Adin township.....	332	314	870	Township 1, including Roseville city.....	3,316	1,499	1,077
Alturas township, ⁸ including Alturas town.....	2,070	1,209	1,145	<i>Roseville city</i> ²⁰	2,608	.....	.....
<i>Alturas town</i> ⁹	916	.....	.....	Township 2.....	1,171	1,301	1,036
Bidwell township.....	605	507	.....	Township 3, including Auburn city.....	4,136	3,249	2,998
Canby township ¹⁰	239	.....	.....	<i>Auburn city</i>	2,376	2,050	1,695
Cadaville township.....	985	731	845	Township 4.....	880	1,092	2,426
Dewey township.....	473	351	.....	Township 5.....	563	877	1,038
Goose Lake township ¹¹	709	630	(9)	Township 6.....	265	690	639
Lake City township.....	462	434	972	Township 7.....	187	841	993
Lookout township.....	317	354	.....	Township 8.....	192	223	121
				Township 9, including Rocklin town.....	1,969	1,845	2,485
				<i>Rocklin town</i> ²²	1,086	1,050	1,066
				Township 10, including Lincoln town.....	1,726	1,459	1,801
				<i>Lincoln town</i> ²³	1,402	1,067	861
				Township 11.....	502	622	467
				Township 12.....	249	304	.....
				Township 13, including Colfax city.....	1,063	891	.....
				<i>Colfax city</i> ²³	621	.....	.....
				Township 14.....	2,012	893	.....
Monterey County	24,148	13,380	18,637				
Allan township, including Salinas city.....	5,076	5,121	3,767				
<i>Salinas city</i>	3,736	3,304	2,539				
<i>Ward 1</i>	627	.....	.....		
<i>Ward 2</i>	1,403	.....	.....		
<i>Ward 3</i>	1,012	.....	.....		
<i>Ward 4</i>	634	.....	.....		
Bradley township ¹²	442	751	1,100				
Castroville township.....	1,442	2,051	1,682				
Cholame township.....	485	659	933				
Gonzales township.....	1,305	1,115	1,104				
King City township ¹⁴	1,563	701	.....			
Monterey township, including Monterey city.....	6,833	3,420	4,877				
<i>Monterey city</i>	4,923	1,748	1,062				
Pacific Grove township, coextensive with Pacific Grove city.....	2,384	1,439	.....			
<i>Pacific Grove city</i>	2,384	1,411	1,538				
Pajaro township.....	1,705	1,742	1,428				
Peachtree township.....	478	610	1,103				
San Antonio township.....	814	938	1,117				
San Ardo township ¹³	365	.....	.....		
Soledad township ¹⁴	1,194	833	1,720				

¹ County totals include population (695 in 1900; 814 in 1890) of Calpella township, annexed to Ukiah township since 1900, and population (3,158 in 1890) of Sanel and Ukiah townships, not returned separately.
² Incorporated in 1908.
³ Not returned separately in 1890.
⁴ Calpella township, annexed in 1907.
⁵ Townships 6 and 7 organized from parts of township 3 in 1901 and 1906, respectively.
⁶ Incorporated in 1907.
⁷ County totals include population (436 in 1900; 429 in 1890) of Hot Springs township, taken to form part of Canby township; population (50 in 1900) of Tule Lake township, part annexed to Alturas township and part taken to form part of Canby township since 1900; and population (725 in 1890) of Goose Lake and Tule Lake townships, not returned separately.
⁸ Parts of Goose Lake and Tule Lake townships annexed in 1903.
⁹ Incorporated in 1901.
¹⁰ Organized from Hot Springs township and part of Tule Lake township in 1903.

¹¹ Part annexed to Alturas township in 1903.
¹² Masonic township organized from part of Bodie township in 1908.
¹³ San Ardo township organized from part of Bradley township in 1903.
¹⁴ Boundaries changed since 1900.
¹⁵ St. Helena township organized from part of Hot Springs township in 1903.
¹⁶ County total includes population (1,123) of Little York and Washington townships, not returned separately in 1890.
¹⁷ County total includes population (1,076) of Tustin township, annexed to Santa Ana township between 1890 and 1900.
¹⁸ Incorporated in 1904.
¹⁹ Huntington Beach township organized from part of Westminster township in 1905.
²⁰ Incorporated in 1909.
²¹ Incorporated in 1906.
²² Returned as a city in 1900.
²³ Incorporated in 1910.

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

[Township means judicial township. 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. 1, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
Plumas County	5,259	4,857	4,933	San Bernardino County—Continued.			
Beekworth township.....	1,315	796	574	Chino township, including Chino city.....	2,862	1,607	
Goodwin township.....	294	398	458	Chino city ⁸	1,444		
Indian township.....	1,233	1,260	1,258	Colton township, including Colton city.....	4,556	1,961	
Mineral township.....	437	411	496	Colton city.....	3,980	1,885	1,815
Plumas township.....	884	748	818	Cucamonga township.....	2,340	1,193	
Quartz township.....	750	553	935	Dale township ¹¹	41	63	
Seneca township.....	346	491	394	Hart township ¹²	40		
				Hesperia township.....	92	170	
Riverside County	34,696	17,897		Highland township.....	3,820	1,990	
Beaumont township.....	1,113	346		Kelso township ¹³	136		
Bergman township.....	326	170		Ludlow township ¹⁰	255		
Diamond township ²	380	385		Mission township ¹²	1,811		
Elsinore township, including Elsinore city.....	960	646		Needles township ¹¹	3,067	1,143	
Elsinore city.....	488	279		Ontario township, ¹⁴ including Ontario city.....	4,639	2,649	
Hemet township, including Hemet city.....	2,392	904		Ontario city ¹⁵	4,274	722	683
Hemet city ⁴	992			Oro Grande township ¹⁶	280		
Highgrove township ⁴	1,187	925		Redlands township, including Redlands city.....	11,448	5,063	
Indio township ⁵	899	257		Redlands city.....	10,449	4,797	1,904
Moreno township.....	523	644		Precinct 1.....	1,084		
Murrieta township.....	765	704		Precinct 2.....	1,181		
Palo Verde township ⁶	557			Precinct 3.....	1,048		
Perris township.....	1,454	1,331		Precinct 4.....	1,066		
Riverside township, including Riverside city.....	15,718	8,163		Precinct 5.....	1,360		
Riverside city.....	16,212	7,973	4,683	Precinct 6.....	1,112		
Ward 1.....	1,792			Precinct 7.....	767		
Ward 2.....	2,732			Precinct 8.....	615		
Ward 3.....	2,697			Precinct 9.....	1,084		
Ward 4.....	3,066			Precinct 10.....	1,128		
Ward 5.....	2,078			Rialto township.....	1,638	880	
Ward 6.....	2,959			San Bernardino township, ¹⁷ including San Bernardino city.....	14,648	8,658	
San Geronimo township ⁸	1,387	356		San Bernardino city.....	12,779	6,150	4,018
San Jacinto township, including San Jacinto city.....	1,267	854		Ward 1.....	1,466		
San Jacinto city.....	898	683	661	Ward 2.....	1,993		
Temescal township, including Corona city.....	4,374	1,049		Ward 3.....	2,564		
Corona city.....	5,640	1,484		Ward 4.....	2,779		
Thermal township ⁹	632			Ward 5.....	4,477		
West Riverside township ⁷	762			Silver Lake township ¹⁰	135		
				Upland township, ¹⁷ including Upland city.....	2,554		
				Upland city ¹⁸	2,384		
				Vanderbilt township ¹²	149	320	
				Victor township ¹⁶	580	645	
				Yermo township ¹⁰	178		
Sacramento County	67,806	45,915	40,339	San Diego County¹⁹	61,665	35,000	34,937
Alabama township.....	598	412	414	Alpine township.....	412		
American township.....	169	159	648	Bonsall township.....	236		
Brighton township.....	2,605	1,402	1,282	Campo township.....	639		
Center township.....	451	417	383	Coronado township, including Coronado city.....	1,482		
Cosumnes township.....	262	358	443	Coronado city.....	1,477	956	
Dry Creek township.....	906	750	963	Dehesa township.....	1,600		
Franklin township.....	2,645	1,980	1,885	Del Mar township.....	536		
Georgiana township.....	1,675	2,607	1,311	El Cajon township ²¹	1,070		
Granite township.....	2,605	1,940	1,970	Encinitas township.....	555		
Lee township.....	438	494	541	Escondido township, including Escondido city.....	3,437		
Mississippi township.....	1,225	630	616	Escondido city.....	1,334	765	541
Natoma township.....	208	200	318	Fallbrook township.....	810		
Riverside township ⁸	1,780			Jamul township.....	418		
Sacramento city.....	44,696	29,282	26,386	Jullian township.....	608		
Ward 1.....	2,256			Lakeside township ²¹	728		
Ward 2.....	4,856			Lemon Grove township.....	826		
Ward 3.....	4,166			Mesa Grande township.....	485		
Ward 4.....	3,896			Mission township.....	2,411		
Ward 5.....	5,348			National township, including National City.....	2,998		
Ward 6.....	4,970			National City.....	1,793	1,088	1,363
Ward 7.....	6,044			Otay township.....	1,200		
Ward 8.....	6,571			Pala township.....	354		
Ward 9.....	6,511			Palomar township.....	134		
San Joaquin township.....	2,236	1,289	1,383	Ramona township.....	849		
Sutter township ⁹	5,607	3,995	2,096	San Diego township, coextensive with San Diego city.....	39,578	17,700	
				San Diego city.....	39,578	17,700	16,169
				Ward 1.....	8,630		
				Ward 2.....	4,941		
				Ward 3.....	2,384		
				Ward 4.....	4,948		
				Ward 5.....	3,110		
				Ward 6.....	2,375		
				Ward 7.....	3,428		
				Ward 8.....	4,687		
				Ward 9.....	6,185		
San Benito County	8,041	6,683	6,412	San Luis Rey township, including Oceanside city.....	1,450	330	
Hollister township, including Hollister town.....	4,300	3,118	2,700	Oceanside city.....	673		
Hollister town.....	2,808	1,315	1,234	Valley Center township.....	277		
Panoche township.....	635	491					
San Benito township.....	822	848	1,120				
San Juan township, including San Juan town.....	1,398	1,308	1,112				
San Juan town.....	338	449	463				
Tres Pinos township.....	796	868	1,471				
San Bernardino County	56,706	27,929	25,497				
Barstow township ¹⁰	1,066						
Belleville township ¹⁰	374	972					
Calzona township ¹¹	97						

¹ County total includes population (203) of Mission Indian Reservation, returned independently in 1900.

² Returned as Winchester in 1900.

³ Incorporated in 1910.

⁴ Name changed from Union in 1910. Part taken to form West Riverside township in 1902.

⁵ Palo Verde and Thermal townships organized from parts of Indio township in 1905 and 1908, respectively.

⁶ Returned as Gorgonio in 1900.

⁷ Organized from part of Highgrove township in 1902.

⁸ Riverside township organized from part of Sutter township in 1909.

⁹ No comparison of population for 1890 can be made; information as to changes in minor civil divisions incomplete.

¹⁰ Barstow, Ludlow, Silver Lake, and Yermo townships organized from parts of Belleville township in 1900, 1902, 1907, and 1908, respectively.

¹¹ Calzona township organized from parts of Dale and Needles townships in 1909.

¹² Hart and Kelso townships organized from parts of Vanderbilt township in 1908.

¹³ Mission township organized from part of San Bernardino township in 1900.

¹⁴ Part taken to form Upland township in 1906 and part annexed to Ontario city in 1901.

¹⁵ Part of Ontario township annexed in 1901.

¹⁶ Oro Grande township organized from part of Victor township in 1908.

¹⁷ Organized from part of Ontario township in 1906.

¹⁸ Incorporated in 1906.

¹⁹ Part taken to form Imperial County in 1907.

²⁰ No comparison of population can be made; county redistricted in 1907.

²¹ Lakeside township organized from part of El Cajon township in 1910.

STATISTICS OF POPULATION.

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

[Township means judicial township. 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
San Francisco County	416,912	342,782	298,997	Santa Barbara County—Continued.			
San Francisco city, coextensive with San Francisco County.....	416,912	342,782	298,997	Township 4.....	1,388	1,725	1,045
<i>San Francisco city:</i>				Township 5, including Lompoc town.....	2,984	2,423	2,330
Assembly district 28.....	11,578			<i>Lompoc town</i>	1,432	972	1,015
Assembly district 29.....	5,537			Township 6.....	1,104	533	530
Assembly district 30.....	2,553			Township 7, including Santa Maria city.....	3,370	2,001	1,880
Assembly district 31.....	18,787			<i>Santa Maria city</i> ⁸	2,250		
Assembly district 32.....	31,879			Ward 1.....	737		
Assembly district 33.....	44,638			Ward 2.....	461		
Assembly district 34.....	56,970			Ward 3.....	1,052		
Assembly district 35.....	28,568			Township 8.....	850	575	775
Assembly district 36.....	12,344			Township 9.....	895	764	
Assembly district 37.....	55,250			Township 10 ⁷	1,056		
Assembly district 38.....	27,325						
Assembly district 39.....	51,554			Santa Clara County	83,539	60,216	48,005
Assembly district 40.....	23,075			Almaden township.....	755	1,599	1,932
Assembly district 41.....	23,878			Alviso township, ⁹ coextensive with Alviso town.....	402	529	967
Assembly district 42.....	3,810			<i>Alviso town</i>	408		
Assembly district 43.....	9,579			Burnett township, including Morgan Hill town.....	2,250	1,397	659
Assembly district 44.....	21,307			<i>Morgan Hill town</i> ¹	607		
Assembly district 45.....	22,206			Campbell township.....	1,992		
				Fremont township, ¹¹ including Mountain View town.....	3,287	2,402	1,536
San Joaquin County	50,731	35,452	28,629	<i>Mountain View town</i> ¹²	1,101		
Castoria township ¹	2,048	1,487	1,320	Gilroy township, including Gilroy city.....	5,039	4,003	3,268
Dent township ¹	1,985	1,240	1,011	<i>Gilroy city</i>	2,437	1,320	1,084
Douglas township ¹	1,405	1,345	1,506	Ward 1.....	1,471		
Elkhorn township, including Lodi city.....	5,985	2,427	2,287	Ward 2.....	1,109		
<i>Lodi city</i> ²	2,097			Mayfield township, including Mayfield town.....	2,224	1,279	1,100
Elliott township.....	1,545	1,876	1,705	<i>Mayfield town</i> ³	1,041		
Liberty township.....	1,224	577	650	Milpitas township ⁴	1,084	1,223	1,150
O'Neal township ⁵	9,116	4,856	3,287	Palo Alto township, coextensive with Palo Alto city ¹⁴	4,486	1,658	
Stockton township, coextensive with Stockton city.....	23,253	17,506	14,424	Redwood township, including Los Gatos town.....	4,289	3,510	2,973
<i>Stockton city:</i>				<i>Los Gatos town</i> ¹³	2,352	1,915	1,652
Ward 1.....	5,850			San Jose township, including East San Jose town and San Jose city.....	43,767	31,987	26,508
Ward 2.....	6,033			<i>East San Jose town</i> ⁶	1,681		
Ward 3.....	4,424			<i>San Jose city</i>	23,948	21,500	18,080
Ward 4.....	9,375			Ward 1.....	3,701		
Tulare township ⁸	3,321	2,797	1,401	Ward 2.....	3,401		
Union township.....	849	1,541	972	Ward 3.....	9,087		
				Ward 4.....	7,817		
San Luis Obispo County	19,383	16,637	16,072	Santa Clara township, ¹⁰ including Santa Clara town.....	9,759	9,240	6,577
Arroyo Grande township.....	3,646	3,319	3,434	<i>Santa Clara town</i>	4,343	3,650	2,891
Cholame township.....	419	544	806	Saratoga township.....	1,756	1,389	1,330
Morro township.....	2,255	1,812	1,817	Sunnyvale township ¹¹	1,859		
Nipomo township.....	1,348	926					
Paso Robles township, ⁴ including Paso Robles city.....	2,382	2,411	1,524	Santa Cruz County	26,140	15 21,512	15 19,270
<i>Paso Robles city</i>	1,441	1,224	827	Aptos township ¹⁶	961		
Paso township ⁵	354	512	810	Boulder Creek township, ¹⁷ including Boulder Creek town.....	1,015		
Salinas township.....	877	943	1,728	<i>Boulder Creek town</i> ¹⁸	544	2,619	2,697
San Luis Obispo township, including San Luis Obispo city.....	5,326	3,216	3,859	Felton township ¹⁷	1,104		
<i>San Luis Obispo city</i>	5,167	3,081	2,995	Branciforte township, including ward 7 and part of ward 6 of Santa Cruz city.....	4,064	18 2,618	18 2,438
San Miguel township.....	830	1,022	1,663	<i>Santa Cruz city (part of)</i>	2,735		
San Simeon township.....	1,028	1,036	931	<i>Total for Santa Cruz city in Branciforte and Santa Cruz townships</i>	11,146	5,659	5,666
Santa Margarita township.....	918	896		Ward 1.....	1,314		
				Ward 2.....	1,488		
San Mateo County	26,585	12,094	10,087	Ward 3.....	2,069		
Township 1, including South San Francisco city.....	9,173	2,452	1,828	Ward 4.....	1,950		
<i>South San Francisco city</i> ⁶	1,399			Ward 5.....	1,038		
Township 2, including Burlingame town and San Mateo city.....	8,659	3,298	2,005	Ward 6.....	1,607		
<i>Burlingame town</i> ⁶	1,565			Ward 7.....	1,682		
<i>San Mateo city</i>	4,354	1,822		Santa Cruz township, including wards 1 to 5, and part of ward 6 of Santa Cruz city.....	9,457	18 571	18 736
Township 3, including Redwood city.....	5,314	3,953	3,744	<i>Santa Cruz city (part of)</i>	8,361		
<i>Redwood city</i>	2,442	1,653	1,672	Sequel township ¹⁶	1,781	2,987	2,982
Township 4.....	1,523	1,383	1,495	Watsonville township, ¹³ including Watsonville city.....	7,758	7,058	4,321
Township 5.....	1,016	1,008	1,015	<i>Watsonville city</i>	4,440	3,528	2,149
				Ward 1.....	1,178		
Santa Barbara County	27,738	18,934	15,754	Ward 2.....	1,342		
Township 1.....	2,477	2,171	1,683	Ward 3.....	918		
Township 2, coextensive with Santa Barbara city.....	11,659	6,587	5,864	Ward 4.....	1,008		
<i>Santa Barbara city:</i>							
Ward 1.....	1,533			Shasta County	18,920	17,318	20 12,133
Ward 2.....	1,748			Township 1, Shasta.....	539	1,191	
Ward 3.....	370			Township 2, Redding, including Redding city.....	3,972	3,301	
Ward 4.....	1,371			<i>Redding city</i>	3,572	2,945	1,381
Ward 5.....	1,584			Township 3, Keswick, including Coram town.....	1,437	2,221	
Ward 6.....	1,643			<i>Coram town</i> ²¹	666		
Ward 7.....	2,806			Township 4, Igo.....	710	918	
Township 3.....	1,895	2,100	1,547				

1 Parts of Dent township annexed to Castoria and Douglas townships in 1907.
 2 Incorporated in 1906.
 3 Part of Tulare township annexed to O'Neal township in 1904.
 4 Name changed from Hot Springs in 1902.
 5 Name changed from San Jose in 1902.
 6 Incorporated in 1903.
 7 Township 10 organized from part of township 7 in 1906.
 8 Incorporated in 1905.
 9 Part of Alviso township annexed to Milpitas township in 1905.
 10 Campbell township organized from part of Santa Clara township in 1909.
 11 Sunnyvale township organized from part of Fremont township in 1909.
 12 Incorporated in 1902.

13 Incorporated in 1903.
 14 Incorporated as a city in 1809.
 15 County totals include population (5,659 in 1900; 5,596 in 1890) of Santa Cruz city, returned independently.
 16 Aptos and Sequel townships returned as Sequel township in 1900.
 17 Boulder Creek and Felton townships returned as San Lorenzo township in 1900.
 18 Exclusive of population of Santa Cruz city.
 19 Returned as Pajaro in 1900.
 20 No comparison of population can be made; county redistricted between 1890 and 1900.
 21 Incorporated in 1910.

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

[Township means judicial township. 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
Shasta County—Continued.				Sonoma County.....			
Township 5, Harrison Gulch.....	383	570		Analy township, including Sebastopol town.....	5,681	3,525	2,709
Township 6, Anderson.....	1,801	1,610		Sebastopol town ¹⁵	1,233		
Township 7, Shingletown.....	782	1,107		Ward 1.....	577		
Township 8, Millville.....	679	755		Ward 2.....	666		
Township 9, Round Mountain.....	815	864		Bodega township.....	1,553	1,499	1,558
Township 10, Burney Valley.....	843	756		Cloverdale township, including Cloverdale town.....	1,733	1,561	1,554
Township 11, Fall River.....	881	954		Cloverdale town.....	383	750	763
Township 12, Buckeye.....	1,479	1,582		Glen Ellen township ¹⁶	1,765		
Township 13, Sacramento River ¹	1,078	1,075		Knights Valley township.....	398	525	418
Township 14, French Gulch.....	735	414		Mendocino township, including Healdsburg city.....	4,576	4,313	3,469
Township 15, Delta ¹	2,736			Healdsburg city.....	2,011	1,880	1,485
Sierra County.....				Ocean township.....	842	780	967
Butte township ²	385	1,296	1,973	Petaluma township, including Petaluma city.....	3,787	5,814	5,304
Downville township ³	751		664	Petaluma city.....	6,880	3,871	3,682
Forest township ⁴	725	712	604	Precinct 1.....	607		
Sierra No. 1 township ⁵	585			Precinct 2.....	729		
Sierra No. 2 township, ⁷ including Loyalton town.....	1,261			Precinct 3.....	1,300		
Loyalton town ⁸	933			Precinct 4.....	389		
Table Rock township ⁹	301	199	289	Precinct 5.....	561		
Siskiyou County.....				Precinct 6.....	382		
Butte township, including Sisson town.....	1,138	1,539	1,304	Precinct 7.....	915		
Sisson town ¹⁰	639			Redwood township.....	950	1,357	1,373
Ward 1.....	475			Russian River township.....	1,699	1,025	1,219
Ward 2.....	161			Salt Point township.....	865	869	952
Callahan township.....	510	567	448	Santa Rosa township, including Santa Rosa city.....	13,560	10,985	8,620
Edgewood township.....	2,267	1,336	710	Santa Rosa city.....	7,317	6,678	6,220
Etna township, including Etna town.....	1,009	1,069	782	Ward 1.....	1,215		
Etna town.....	518	500	371	Ward 2.....	1,662		
Greenview township ¹¹	602			Ward 3.....	1,197		
Happy Camp township.....	377	483	403	Ward 4.....	897		
Lake township, including Dorris town.....	2,131	767	722	Ward 5.....	1,373		
Dorris town ¹²	214			Ward 6.....	1,473		
Liberty township ¹³	708	1,086	708	Sonoma township, ¹⁴ including Sonoma town.....	2,765	3,172	2,590
Mott township, including Dunsmuir town.....	2,071	1,264	1,173	Sonoma town.....	957	652	767
Dunsmuir town ¹⁴	1,719			Vallejo township.....	2,071	1,671	1,347
Mountain township.....	957	1,300	1,162	Washington township.....	1,149	783	641
Oak Bar township.....	278	525		Stanislaus County.....			
Scott River township.....	389	508	513	La Grange township.....	552	586	2,644
Scott Valley township, ¹⁵ including Fort Jones town.....	798	1,399	1,128	Modesto township, including Modesto city.....	7,258	2,989	3,432
Fort Jones town.....	316	556	266	Modesto city.....	4,034	2,024	2,402
Somes Bar township ¹⁶	248			Newman township, including Newman town.....	2,385	1,700	1,563
Squaw Valley township.....	2,061	1,101	70	Newman town ¹⁷	892		
Table Rock township, including Montague town.....	651	1,183	1,231	Oakdale township, including Oakdale city.....	2,455	2,531	2,406
Montague town ¹⁴	374			Oakdale city ¹⁷	1,055		
Yreka township, including Yreka town.....	2,556	2,235	1,719	Turlock township, including Turlock city.....	8,189	946	
Yreka town.....	1,154	1,264	1,100	Turlock city ¹²	1,573		
Ward 1.....	589			Waterford township.....	1,183	788	
Ward 2.....	605			Sutter County.....			
Solano County.....				Butte township.....	853	1,001	977
Benicia township, including Benicia city.....	2,739	3,174	2,951	Nicolaus township.....	905	921	1,090
Benicia city.....	2,360	2,751	2,361	Sutter township.....	1,501	1,371	1,342
Denverton township.....	260	280	321	Vernon township.....	1,192	1,105	583
Elmira township.....	494	717	869	Yuba township, including Yuba City town.....	1,847	1,488	1,071
Green Valley township.....	960	757	774	Yuba City town ¹³	1,160		
Maine Prairie township.....	205	282	274	Tehama County.....			
Montezuma township.....	481	429	494	Corning township, including Corning city.....	2,555	2,269	1,280
Rio Vista township, including Rio Vista town.....	1,628	1,500	1,236	Corning city ¹⁸	972		
Rio Vista town.....	334	632	643	Cottonwood township.....	430	479	619
Silveyville township, including Dixon town.....	1,853	1,586	1,869	Paskenta township.....	517	836	813
Dixon town.....	327	783	1,032	Red Bluff township, including Red Bluff city.....	5,210	4,553	4,285
Suisun township, including Fairfield and Suisun City towns.....	3,423	2,158	2,140	Red Bluff city.....	3,580	2,760	2,603
Fairfield town ¹⁰	334			Ward 1.....	781		
Suisun City town.....	641	825	499	Ward 2.....	1,199		
Tremont township.....	373	403	440	Ward 3.....	793		
Vacaville township, including Vacaville town.....	3,005	4,160	2,712	Ward 4.....	777		
Vacaville town.....	1,177	1,220	725	Sierra township.....	1,126	1,192	829
Vallejo township, including Vallejo city.....	12,138	8,697	6,866	Tehama township, including Tehama town.....	851	920	854
Vallejo city.....	11,540	7,965	6,543	Tehama town ¹⁷	221		
Ward 1.....	5,793			Vina township.....	703	747	1,225
Ward 2.....	4,864			Footnotes:			
Ward 3.....	698			¹ Organized from Oneida township and part of Sierra township in 1901.			

¹ Township 15 organized from part of township 13 in 1904.

² County totals include population (221 in 1900; 177 in 1890) of Gibson township and population (327 in 1900; 469 in 1890) of Sears township, annexed to Table Rock township; population (215 in 1900; 349 in 1890) of Lincoln township, part taken to form part of Downville township and part annexed to Forest township; population (117 in 1900; 163 in 1890) of Oneda township, taken to form part of Sierra No. 2 township; and population (830 in 1900; 962 in 1890) of Sierra township, taken to form Sierra No. 1 township and part of Sierra No. 2 township, since 1900.

³ Part taken to form part of Downville township in 1901.

⁴ Organized from parts of Butte, Forest, and Lincoln townships in 1901.

⁵ Part taken to form part of Downville township in 1901; part of Lincoln township annexed in 1901.

⁶ Organized from part of Sierra township in 1901.

⁷ Organized from Oneida township and part of Sierra township in 1901.

⁸ Incorporated in 1901.

⁹ Gibson and Sears townships annexed in 1901.

¹⁰ Incorporated in 1903.

¹¹ Greenview township organized from part of Scott Valley township in 1901.

¹² Incorporated in 1903.

¹³ Somes Bar township organized from part of Liberty township in 1909.

¹⁴ Incorporated in 1903.

¹⁵ Incorporated in 1902.

¹⁶ Glen Ellen township organized from part of Sonoma township in 1901.

¹⁷ Incorporated in 1906.

¹⁸ Incorporated in 1907.

STATISTICS OF POPULATION.

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

[Township means judicial township. 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
Trinity County	3,301	14,383	13,719	Ventura County	18,347	20 14,867	20 10,071
Hay Fork township ²	689	490	487	Fillmore township.....	2,138		
Junction City township ³	606	309	403	Ojai township.....	1,100		
Mad River township ⁴	422	319	261	Oxnard township, including Oxnard city.....	5,962		
Trinity Center township ⁵	910	778	318	Oxnard city ¹¹	2,555		
Weaverville township.....	674	968	768	Santa Paula township, including Santa Paula city.....	3,347		
				Santa Paula city ¹¹	2,216		
Tulare County	35,440	18,375	124,574	Simi township.....	748		
Allia township.....	747	481		Ventura township, including Ventura city.....	5,052		
Alpaugh township ⁶	393			Ventura city.....	2,945	2,470	2,320
Angiola township.....	377	110		Precinct 1.....	923		
Ducor township ⁷	508			Precinct 2.....	890		
Exeter township.....	1,458	1,027		Precinct 3.....	1,132		
Farmersville township.....	1,050	(10)					
Kaweah township, including Dinuba town.....	4,667	1,915	4,068	Yolo County	13,926	22 13,618	22 12,684
Dinuba town ¹¹	670			Blacks township.....	421	574	
Lemon Cove township ¹²	949			Cacheville township.....	636	614	556
Lindsay township, including Lindsay town.....	2,981	422		Capay township ¹³	355	506	898
Lindsay town ¹³	1,814			Clarksburg township.....	395	738	563
Orosi township.....	2,246	1,457		Coltonwood township.....	528	750	957
Plano township, including Tule River Indian Reservation.....	1,638	991		Dunnigan township ¹⁴	333		
Tule River Indian Reservation.....	148	148		Grafton township.....	770	621	1,034
Porterville township, ⁹ coextensive with Porterville city.....	2,096			Guinda township.....	543	775	
Porterville city: ¹¹				Putah township.....	1,047	1,042	978
Ward 1.....	505			Washington township.....	1,785	1,398	1,247
Ward 2.....	644			Winters township, including Winters town.....	1,529	1,537	1,158
Ward 3.....	648			Winters town.....	910	785	
Ward 4.....	409			Woodland township, including Woodland city.....	4,584	4,393	4,523
Ward 5.....	400			Woodland city.....	5,187	2,888	3,069
Springville township ¹⁰	617			Ward 1.....	1,588		
Tipton township ¹⁴	487	890		Ward 2.....	1,601		
Tulare township, including Tulare city.....	4,819	3,441	4,646	Yuba County	10,042	8,620	9,686
Tulare city.....	2,758	2,216	2,697	East Bear River township, including Wheatland town.....	936	916	1,029
Tule River township ¹⁰	1,325	2,161	5,503	Wheatland town.....	431	422	680
Visalia township, ¹² including Visalia city.....	7,055	4,948	4,292	Fosters Bar township.....	381	528	430
Visalia city.....	4,550	3,085	2,886	Linda township.....	805	852	295
Ward 1.....	632			Long Bar township.....	416	474	480
Ward 2.....	775			Marysville township, including Marysville city.....	5,325	3,991	4,685
Ward 3.....	550			Marysville city.....	5,430	3,497	3,991
Ward 4.....	559			Ward 1.....	1,201		
Ward 5.....	646			Ward 2.....	981		
Ward 6.....	1,078			Ward 3.....	1,541		
White River township.....	362	389	539	Ward 4.....	1,767		
Woodville township ¹⁵	565			New York township.....	370	630	770
				Northeast township.....	100	160	269
Tuolumne County	9,979	10 11,166	6,082	Parks Bar township.....	264	260	243
Township 1, ¹⁷ including Sonora city.....	2,748	2,123	3,024	Rose Bar township.....	321	467	728
Sonora city.....	2,089	1,622	1,441	Slate Range township.....	333	600	455
Township 2 ¹⁸	1,276	1,137	1,034	West Bear River township.....	291	252	302
Township 3.....	701	1,201	837				
Township 4 ¹⁹	2,236	1,589	1,187				
Township 5.....	3,018	3,157					

¹ County totals include population (169 in 1900; 58 in 1890) of Canyon Creek township and population (322 in 1900; 507 in 1890) of New River and North Fork townships, annexed to Junction City township; population (575 in 1900; 568 in 1890) of Lewiston township and population (110 in 1900; 81 in 1890) of Minersville township, annexed to Trinity Center township; and population (343 in 1900; 290 in 1890) of Douglas City township, annexed to Hay Fork township, since 1900.

² Douglas City township annexed in 1904.

³ Canyon Creek, New River, and North Fork townships annexed in 1904.

⁴ Name changed from Long Ridge in 1904.

⁵ Lewiston and Minersville townships annexed in 1904.

⁶ County total includes population (143) of Tule River Indian Reservation, returned independently in 1900.

⁷ County total includes population (5,525) of Mussel Slough township, taken to form Kings County between 1890 and 1900.

⁸ Organized from part of Tipton township in 1907.

⁹ Ducor, Porterville, and Springville townships organized from parts of Tule River township in 1909, 1904, and 1901, respectively.

¹⁰ Not returned separately in 1900.

¹¹ Incorporated in 1902.

¹² Lemon Cove township organized from part of Visalia township in 1906.

¹³ Incorporated in 1910.

¹⁴ Tipton and Woodville townships returned as Tipton township in 1900. Part taken to form Alpaugh township in 1907.

¹⁵ Returned with Tipton township in 1900.

¹⁶ County total includes population (1,959) of township 6, annexed to township 4 since 1900.

¹⁷ Part annexed to township 2 in 1902.

¹⁸ Parts of townships 1 and 4 annexed in 1902.

¹⁹ Part annexed to township 2 in 1902; township 6 annexed in 1902.

²⁰ No comparison of population can be made; county redistricted in 1906 and 1910.

²¹ Incorporated in 1903.

²² County total includes population (671 in 1900; 770 in 1890) of Fairview township, part taken to form Dunnigan township and part annexed to Capay township since 1900.

²³ Part of Fairview township annexed in 1904.

²⁴ Organized from part of Fairview township in 1904.

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

CITY OR TOWN.	County.	1910	1900	1890	CITY OR TOWN.	County.	1910	1900	1890
Alameda city.....	Alameda.....	23,383	16,464	11,165	Lincoln town.....	Placer.....	1,402	1,061	961
Albany city.....	Alameda.....	808			Lindsay town.....	Tulare.....	1,814		
Alhambra city.....	Los Angeles.....	5,021			Livermore town.....	Alameda.....	2,030	1,493	1,391
Alturas town.....	Modoc.....	918			Lodi city.....	San Joaquin.....	2,697		
Alviso city.....	Santa Clara.....	402			Lompoc town.....	Santa Barbara.....	1,482	972	1,015
Anaheim town.....	Orange.....	2,628	1,456	1,273	Long Beach city.....	Los Angeles.....	17,809	2,252	504
Antioch town.....	Contra Costa.....	1,124	674	635	Lordsburg city.....	Los Angeles.....	954		
Arcadia city.....	Los Angeles.....	696			Los Angeles city.....	Los Angeles.....	319,198	102,479	50,395
Arcata town.....	Humboldt.....	1,121	952	932	Los Banos city.....	Merced.....	3,745		
Auburn city.....	Placer.....	2,376	2,050	1,595	Los Gatos town.....	Santa Clara.....	2,232	1,915	1,652
Azusa city.....	Los Angeles.....	1,477	863		Loyalton town.....	Sierra.....	983		
Bakersfield city.....	Kern.....	12,727	4,836	2,626	Madera city.....	Madera.....	2,404		
Belvedere town.....	Marin.....	481	434		Martinez town.....	Contra Costa.....	2,115	1,380	1,600
Benicia city.....	Solano.....	2,360	2,751	2,361	Marysville city.....	Yuba.....	5,430	3,407	3,991
Berkeley city.....	Alameda.....	40,434	13,214	5,101	Mayfield town.....	Santa Clara.....	1,041		
Biggs city.....	Butte.....	403			Merced city.....	Merced.....	3,102	1,969	2,009
Bishop city.....	Inyo.....	1,190			Mill Valley town.....	Marin.....	2,551		
Black Diamond town.....	Contra Costa.....	2,372			Modesto city.....	Stanislaus.....	4,034	2,024	2,402
Blue Lake town.....	Humboldt.....	507			Monrovia city.....	Los Angeles.....	3,576	1,205	907
Boulder Creek town.....	Santa Cruz.....	544			Montague town.....	Siskiyou.....	274		
Brawley city.....	Imperial.....	881			Monterey city.....	Monterey.....	4,923	1,748	1,662
Burlingame town.....	San Mateo.....	1,565			Morgan Hill town.....	Santa Clara.....	607		
Calaveras city.....	Imperial.....	797			Mountain View town.....	Santa Clara.....	1,161		
Calistoga town.....	Napa.....	751	690		Napa city.....	Napa.....	5,791	4,036	4,395
Chico city.....	Butte.....	3,750	2,640	2,894	National City.....	San Diego.....	1,733	1,088	1,353
Chino city.....	San Bernardino.....	1,444			Nevada City.....	Nevada.....	2,689	3,250	2,524
Claremont city.....	Los Angeles.....	1,114			Newman town.....	Stanislaus.....	892		
Cloverdale town.....	Sonoma.....	823	750	763	Newport Beach city.....	Orange.....	445		
Coalinga city.....	Fresno.....	4,199			Oakdale city.....	Stanislaus.....	1,035		
Colfax city.....	Placer.....	621			Oakland city.....	Alameda.....	150,174	66,960	48,682
Colton city.....	San Bernardino.....	3,980	1,285	1,315	Ocean Park city.....	Los Angeles.....	3,119		
Colusa town.....	Colusa.....	1,582	1,441	1,336	Oceanside city.....	San Diego.....	673	330	
Compton city.....	Los Angeles.....	922			Ontario city.....	San Bernardino.....	4,274	722	653
Concord town.....	Contra Costa.....	703			Orange city.....	Orange.....	2,920	1,216	386
Coram town.....	Shasta.....	666			Orland town.....	Glenn.....	836		
Corning city.....	Tehama.....	972			Oroville city.....	Butte.....	3,859		
Corona city.....	Riverside.....	3,540	1,434		Oxnard city.....	Ventura.....	2,555		
Coronado city.....	San Diego.....	1,477	935		Pacific Grove city.....	Monterey.....	2,384	1,411	1,336
Covina city.....	Los Angeles.....	1,652			Palo Alto city.....	Santa Clara.....	4,486	1,658	
Crescent City.....	Del Norte.....	1,114	699	907	Pasadena city.....	Los Angeles.....	30,291	9,117	4,882
Dinuba town.....	Tulare.....	970			Paso Robles city.....	San Luis Obispo.....	1,441	1,224	827
Dixon town.....	Solano.....	827	783	1,082	Petaluma city.....	Sonoma.....	5,880	3,871	3,692
Dorris town.....	Siskiyou.....	214			Piedmont city.....	Alameda.....	1,719		
Dunsmuir town.....	Siskiyou.....	1,719			Pinole town.....	Contra Costa.....	798		
East San Jose town.....	Santa Clara.....	1,061			Placerville city.....	Eldorado.....	1,914	1,748	1,690
El Centro city.....	Imperial.....	1,610			Pleasanton town.....	Alameda.....	1,264	1,100	
Elsinore city.....	Riverside.....	488	279		Point Arena city.....	Mendocino.....	497		
Emeryville town.....	Alameda.....	2,613	1,016	228	Pomona city.....	Los Angeles.....	10,207	5,525	3,634
Escocido city.....	San Diego.....	1,334	755	541	Porterville city.....	Tulare.....	2,096		
Etna town.....	Siskiyou.....	518	500	271	Potter Valley town.....	Mendocino.....	576	563	
Eureka city.....	Humboldt.....	11,845	7,327	4,858	Red Bluff city.....	Tehama.....	3,530	2,750	2,608
Fairfield town.....	Solano.....	834			Redding city.....	Shasta.....	3,572	2,940	1,821
Ferris town.....	Humboldt.....	905	846	763	Redlands city.....	San Bernardino.....	10,440	4,797	1,904
Fort Bragg city.....	Mendocino.....	2,408	1,590	945	Redondo Beach city.....	Los Angeles.....	2,935	855	603
Fort Jones town.....	Siskiyou.....	316	356	266	Redwood city.....	San Mateo.....	2,442	1,653	1,572
Fortuna town.....	Humboldt.....	883			Richmond city.....	Contra Costa.....	6,802		
Fowler town.....	Fresno.....	675			Rio Vista town.....	Solano.....	884	682	648
Fresno city.....	Fresno.....	24,892	12,470	10,818	Riverside city.....	Riverside.....	15,212	7,973	4,683
Fullerton city.....	Orange.....	1,725			Rocklin town.....	Placer.....	1,026	1,050	1,066
Gilroy city.....	Santa Clara.....	2,437	1,820	1,694	Roseville city.....	Placer.....	2,608		
Glendale city.....	Los Angeles.....	2,746			Ross town.....	Marin.....	556		
Grass Valley city.....	Nevada.....	4,520	4,719		Sacramento city.....	Sacramento.....	44,096	29,282	26,336
Gridley city.....	Butte.....	987			St. Helena town.....	Napa.....	1,603	1,582	1,705
Hanford city.....	Kings.....	4,829	2,929	942	Salinas city.....	Monterey.....	3,736	3,304	2,339
Hayward town.....	Alameda.....	2,746	1,965	1,419	San Anselmo town.....	Marin.....	1,531		
Healdsburg city.....	Sonoma.....	2,011	1,869	1,485	San Bernardino city.....	San Bernardino.....	12,779	6,150	4,012
Hemet city.....	Riverside.....	992			San Diego city.....	San Diego.....	39,578	17,700	16,159
Hercules town.....	Contra Costa.....	279			San Francisco city.....	San Francisco.....	416,912	342,782	298,997
Hermosa Beach city.....	Los Angeles.....	679			San Jacinto city.....	Riverside.....	898	583	661
Hollister town.....	San Benito.....	2,308	1,315	1,234	San Jose city.....	Santa Clara.....	28,946	21,500	18,060
Holtville city.....	Imperial.....	729			San Juan town.....	San Benito.....	326	449	463
Hornitos town.....	Mariposa.....	160	205	276	San Leandro city.....	Alameda.....	3,471	2,253	
Huntington Beach city.....	Orange.....	815			San Luis Obispo city.....	San Luis Obispo.....	5,157	3,021	2,995
Huntington Park city.....	Los Angeles.....	1,299			San Mateo city.....	San Mateo.....	4,384	1,832	
Imperial city.....	Imperial.....	1,257			San Rafael city.....	Marin.....	5,934	3,879	3,290
Inglewood city.....	Los Angeles.....	1,536			Santa Ana city.....	Orange.....	8,429	4,933	3,628
Jackson city.....	Amador.....	2,035			Santa Barbara city.....	Santa Barbara.....	11,659	6,537	5,864
Kingsburg city.....	Fresno.....	634			Santa Clara town.....	Santa Clara.....	4,343	3,650	2,891
Lakeport town.....	Lake.....	870	726	991	Santa Cruz city.....	Santa Cruz.....	11,146	5,559	5,596
Larkspur town.....	Marin.....	594			Santa Maria city.....	Santa Barbara.....	2,280		
Lemoore city.....	Kings.....	1,000			Santa Monica city.....	Los Angeles.....	7,847	3,057	1,530

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

CITY OR TOWN.	County.	1910	1900	1890	CITY OR TOWN.	County.	1910	1900	1890
Santa Paula city.....	Ventura.....	2,216	.....	.....	Turlock city.....	Stanislaus.....	1,573	.....	.....
Santa Rosa city.....	Sonoma.....	7,817	0,673	5,220	Ukiah city.....	Mendocino.....	2,136	1,850	1,627
Sausalito town.....	Marin.....	2,383	1,628	1,334	Upland city.....	San Bernardino.....	2,384	.....	.....
Sawtelle city.....	Los Angeles.....	2,143	.....	.....	Vacaville town.....	Solano.....	1,177	1,220	725
Sebastopol town.....	Sonoma.....	1,233	.....	.....	Vallejo city.....	Solano.....	11,340	7,965	6,343
Selma town.....	Fresno.....	1,750	1,083	1,160	Ventura city.....	Ventura.....	2,945	2,470	2,320
Sierra Madre city.....	Los Angeles.....	1,303	.....	.....	Vernon city.....	Los Angeles.....	772	.....	.....
Sisson town.....	Siskiyou.....	636	.....	.....	Visalia city.....	Tulare.....	4,550	3,085	2,885
Sonoma town.....	Sonoma.....	957	652	757	Watsonville city.....	Santa Cruz.....	4,446	3,528	2,149
Sonora city.....	Tuolumne.....	2,029	1,922	1,441	Watts city.....	Los Angeles.....	1,922	.....	.....
South Pasadena city.....	Los Angeles.....	4,649	1,001	623	Wheatland town.....	Yuba.....	481	492	630
South San Francisco city.....	San Mateo.....	1,989	.....	.....	Whittier city.....	Los Angeles.....	4,550	1,590	585
Stockton city.....	San Joaquin.....	23,253	17,606	14,424	Willits town.....	Mendocino.....	1,153	791	815
Suisun City town.....	Solano.....	641	625	499	Willows town.....	Glenn.....	1,139	893	1,176
Susanville town.....	Lassen.....	688	.....	.....	Winters town.....	Yolo.....	910	785	.....
Tehachapi town.....	Kern.....	385	.....	.....	Woodland city.....	Yolo.....	3,187	2,886	3,069
Tehama town.....	Tehama.....	221	Yreka town.....	Siskiyou.....	1,134	1,254	1,100
Tulare city.....	Tulare.....	2,758	2,216	2,697	Yuba City town.....	Sutter.....	1,160

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CHAPTER 2.

COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

Introduction.—The first chapter having given the number of inhabitants of California 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 cities of more than 25,000 inhabitants; Table III for cities of 10,000 to 25,000; Table IV for places of 2,500 to 10,000; and Table V for wards or assembly districts of the three cities of more than 50,000.

A series of summary tables (numbered 1 to 17) 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 California, 1,106,533, or 46.5 per cent, are native whites of native parentage; 635,889, or 26.8 per cent, are native whites of foreign or mixed parentage; and 517,250, or 21.8 per cent, are foreign-born whites. The corresponding percentages in 1900 were 43.4, 29.7, and 21.3, respectively, the proportion of native whites of native parentage increasing somewhat during the decade. In 1910 Japanese constituted 1.7 per cent of the population; Chinese, 1.5; negroes, 0.9; and Indians, 0.7. In 8 of the 58 counties the foreign-born whites represent as much as one-fourth of the population, the percentage being highest (32) in San Mateo. The proportion of native whites of foreign or mixed parentage exceeds one-fourth in 24 counties and is highest in San Francisco County (36.9 per cent). (See maps on page 597.)

Of the urban population, 44.4 per cent are native whites of native parentage; of the rural, 50 per cent. The corresponding proportions for native whites of foreign or mixed parentage are 28.8 and 23.5 per cent, respectively; for foreign-born whites 22.6 and 20.4 per cent. The percentage of Chinese and Japanese is 3 in the urban and 3.8 in the rural.

Sex (Tables 2 and 15).—In the total population of the state there are 1,322,978 males and 1,054,571 females, or 125.5 males to 100 females. In 1900 the ratio was 123.5 to 100. Among native whites the ratio is 108.7 to 100 and among foreign-born whites, 169.6 to 100. In the urban population there are 113.6 males to 100 females, and in the rural, 147.8.

State of birth (Tables 3 and 4).—Of the native population—that is, population born in the United States—50.5 per cent were born in California and 49.5 per cent outside the state; of the native white population, 49.9 per cent were born outside the state; of the native negro, 75.6 per cent; and of the native Indian, 6.4 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 California, persons born in Germany represent 14.8 per cent; Italy, 12.3; Ireland, 10.1; England, 9.4; Canada, 8.6; Mexico, 6.5;

Sweden, 5.1; Portugal, 4.3; France, 3.4; Austria, 3.3; Russia, 3.2; all other countries, 18.8 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 17.9 per cent; Ireland, 13.8; England, 10; Italy, 8.9; Canada, 8.4; Portugal, 4.5; Mexico, 4.4; Sweden, 4; France, 2.8; Scotland, 2.8; Switzerland, 2.4; Russia, 2.4; Denmark, 2.3 per cent.

Voting and militia ages (Table 6).—The total number of males 21 years of age and over is 920,397, representing 38.7 per cent of the population. Of such males, 40 per cent are native whites of native parentage, 19.7 per cent native whites of foreign or mixed parentage, 32.3 per cent foreign-born whites, 6.5 per cent Chinese and Japanese, 0.9 per cent negroes, and 0.5 per cent Indians. Of the 297,365 foreign-born white males of voting age, 137,274, or 46.2 per cent, are naturalized. Males of militia age—18 to 44—number 665,522.

Age (Tables 7, 8, 13, and 14).—Of the total population, 8.1 per cent are under 5 years of age, 14.7 per cent from 5 to 14 years, inclusive, 18 per cent from 15 to 24, 35.7 per cent from 25 to 44, and 23.1 per cent 45 years and over. The proportion of children is low among the foreign-born whites, negroes, Chinese, and Japanese. Only 4.2 per cent of the foreign-born whites are under 15 years of age, while 82.9 per cent are 25 years of age and over. Of the native whites of foreign or mixed parentage, 47.5 per cent are 25 and over, and of the native whites of native parentage, 52.9 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, 37.3 per cent are from 25 to 44 years of age, inclusive, and of the rural, 32.9 per cent.

School attendance (Table 9).—The total number of persons of school age—that is, from 6 to 20 years, inclusive—is 555,554, of whom 361,077, or 65 per cent, attended school. In addition to these, 6,788 children under 6 and 9,801 persons of 21 and over attended school. For boys from 6 to 20 years, inclusive, the percentage attending school was 63.1; for girls, 67. For children from 6 to 14 years, inclusive, the percentage attending school was 86.9. The percentage for children of this age among native whites of native parentage was 87.4; among native whites of foreign or mixed parentage, 88.1; among foreign-born whites, 82.3; among negroes, 88.4; among Indians, 61.4; among Chinese, 70.1; and among Japanese, 61.5. (See Table I.) For all classes combined, the percentage attending school is somewhat higher in urban than in rural communities.

Illiteracy (Table 10).—There are 74,902 illiterates in the state, representing 3.7 per cent of the total population 10 years of age and over, as compared with 4.8 per cent in 1900. The percentage of illiteracy is 0.5 among native whites, 10 among foreign-born

whites, 7.1 among negroes, 49 among Indians, 15.5 among Chinese, and 8.6 among Japanese.

For all classes combined, the percentage of illiterates is 2.4 in urban communities and 5.9 in rural. For each class separately, also, the rural percentage exceeds the urban, the differences in some cases being very marked.

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 1.7. (See Table I.)

Marital condition (Tables 11 and 16).—In the population 15 years of age and over, 45.8 per cent of the males are single and 27.9 per cent of the females. The percentage married is 47.3 for males and 58.4 for females, and the percentage widowed 4.4 and 12.2, respectively. The percentages of those reported as divorced, 1 and 1.3, 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 9.1 per cent of the females from 15 to 19 years of age are married, as compared with 0.6 per cent of the males; and 47.2 per cent of the females from 20 to 24 years are married, as compared with 14.8 per cent of the males. In the next age group, 25 to 34 years, the percentages are 72.4 and 46, respectively. In the age group 35 to 44 the difference is less marked, while among those aged 45 and over the percentage for males exceeds that for females. 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: Foreign-born whites, 49.8 for males and 65.1 for females; native whites of native parentage, 49.7 and 57.6, respectively; native whites of foreign or mixed parentage, 42.4 and 53.5; negroes, 48.9 and 55.8; Indians, 50.3 and 59.2; Chinese, 44.7 and 69; Japanese, 28 and 86.8.

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 is higher in the urban population, for females in the rural.

Dwellings and families.—The total number of dwellings in California is 513,481, and the total number of families 563,636, there being 109.8 families to each 100 dwellings. (See Table I.) The average number of persons per dwelling is 4.6, and the average number per family, 4.2.

TABLE 1.—COLOR, NATIVITY, AND PARENTAGE.

CLASS OF POPULATION.	NUMBER.			PER CENT OF TOTAL.		
	1910	1900	1890	1910	1900	1890
THE STATE.						
Total population	2,377,549	1,485,053	1,213,398	100.0	100.0	100.0
White	2,259,672	1,402,727	1,111,838	95.0	94.5	91.6
Negro	21,645	11,045	11,322	0.9	0.7	0.9
Indian	16,371	15,377	10,924	0.7	1.0	1.4
Chinese	36,248	45,753	72,472	1.5	3.1	6.0
Japanese	41,350	10,151	1,147	1.7	0.7	0.1
All other ¹	2,257			0.1		
Total native	1,791,117	1,117,813	847,089	75.3	75.3	69.8
Total foreign born	586,432	367,240	366,309	24.7	24.7	30.2
Native white, total	1,742,422	1,080,222	818,280	73.3	73.1	67.4
Native parentage	1,106,533	644,428	497,890	46.5	43.4	41.0
Foreign parentage	403,364	282,830	217,979	17.0	19.0	18.0
Mixed parentage	232,525	158,964	102,411	9.8	10.7	8.4
Foreign-born white	517,260	310,505	293,553	21.8	21.3	24.2
URBAN POPULATION.						
Total	1,469,739	777,699	559,484	100.0	100.0	100.0
White	1,407,251	741,722	543,258	95.7	95.4	92.2
Negro	18,399	8,075	6,328	1.3	1.0	1.1
Indian	831	221	281	0.1	(²)	(²)
Chinese	24,202	24,435	38,754	1.7	3.1	6.6
Japanese	18,612	3,240	843	1.3	0.4	0.1
All other	384			(²)		
Native white, total	1,075,415	554,984	377,660	73.2	71.4	64.1
Native parentage	652,659	292,490	194,864	44.4	37.6	33.1
Foreign parentage	271,519	262,494	182,702	18.5	33.8	31.0
Mixed parentage	151,287			10.3		
Foreign-born white	331,836	186,738	165,692	22.6	24.0	28.1
RURAL POPULATION.						
Total	907,810	707,354	623,934	100.0	100.0	100.0
White	892,421	661,005	568,575	93.9	93.4	91.1
Negro	3,246	2,970	4,994	0.4	0.4	0.8
Indian	15,540	15,156	16,843	1.7	2.1	2.6
Chinese	11,986	21,318	38,718	1.3	3.0	5.4
Japanese	22,744	6,905	304	2.5	1.0	(²)
All other	1,873			0.2		
Native white, total	607,007	531,238	440,714	73.5	75.1	70.6
Native parentage	453,874	351,938	303,026	50.0	49.8	48.6
Foreign parentage	131,845	179,300	137,688	14.5	25.3	22.1
Mixed parentage	51,288			6.0		
Foreign-born white	185,414	129,767	127,861	20.4	18.3	20.5

¹ Includes 1,948 Hindus, 304 Koreans, and 5 Filipinos.
² Less than one-tenth of 1 per cent.

TABLE 2.—SEX, FOR THE STATE.

[See also Tables 7 and 8.]

CLASS OF POPULATION.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
Total population	1,322,978	1,054,571	125.5	820,531	664,522	123.6
White	1,232,990	1,026,682	120.1	755,147	647,580	116.6
Negro	11,303	10,342	109.3	5,766	5,279	109.2
Indian	8,356	8,015	104.3	7,723	7,654	100.9
Chinese	33,003	3,245	1,017.0	42,297	3,456	1,223.9
Japanese	35,116	6,240	562.8	9,508	553	1,735.6
All other	2,210	47	(¹)			
Native white, total	907,573	834,840	108.7	563,335	522,887	107.7
Native parentage	585,658	520,875	112.4	340,617	303,811	112.1
Foreign parentage	205,269	198,095	103.6	142,831	139,099	102.0
Mixed parentage	116,046	115,879	100.7	79,887	79,077	101.0
Foreign-born white	325,417	101,333	169.0	191,812	124,693	153.8
Urban population	781,502	688,237	113.6	404,325	373,374	108.3
Rural population	541,476	366,334	147.8	416,206	291,148	143.0

¹ 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:		Rural:
				1910	1910	
Total native population	1,791,117	1,117,813	841,821	1,102,476	688,641	
Born in state	903,990	661,280	475,843	522,114	381,882	
Born outside state ¹	887,121	456,533	365,978	580,362	306,759	
Per cent outside state	49.5	40.8	43.5	52.6	44.5	
Native white population	1,742,422	1,080,222	818,119	1,075,415	687,007	
Born in state	872,833	637,360	459,201	509,564	363,269	
Born outside state ²	869,589	442,860	358,918	565,851	303,738	
Per cent outside state	49.9	41.3	43.9	52.6	45.5	
Native negro population	20,771	10,612	(³)	17,758	3,013	
Born in state	5,000	3,878	(³)	4,145	915	
Born outside state ²	15,771	6,734	(³)	13,613	2,098	
Per cent outside state	75.6	63.5	(³)	76.7	69.6	
Native Indian population	16,263	15,215	(³)	800	15,463	
Born in state	15,227	14,406	(³)	449	14,778	
Born outside state ²	1,036	809	(³)	351	685	
Per cent outside state	6.4	5.3	(³)	43.9	4.4	

¹ Exclusive of 1,611 whites and 5,107 Indians not distributed by state of birth.
² 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.
³ Comparable figures not available.

TABLE 4.—STATE OR DIVISION OF BIRTH.

PLACE OF BIRTH.	NUMBER.		PER CENT OF TOTAL.	
	1910	1900	1910	1900
Total native	1,791,117	1,117,813	100.0	100.0
California	903,990	661,280	50.5	59.2
Other states	887,121	456,533	49.5	40.8
Illinois	87,291	42,304	4.9	3.8
New York	79,992	54,588	4.5	4.9
Missouri	67,786	35,075	3.8	3.1
Ohio	66,128	34,869	3.7	3.1
Iowa	54,960	26,789	3.1	2.4
Pennsylvania	51,304	25,283	2.9	2.3
Indiana	41,288	19,333	2.3	1.7
Kansas	35,115	13,266	2.0	1.2
Michigan	34,236	14,592	1.9	1.3
Massachusetts	28,115	19,818	1.6	1.8
Wisconsin	28,013	13,826	1.6	1.2
Texas	21,313	7,747	1.2	0.7
Kentucky	19,967	9,938	1.1	0.9
Minnesota	19,372	7,520	1.1	0.7
All other ¹	252,241	131,485	14.1	11.8
DIVISIONS.				
New England	67,316	50,873	3.8	4.6
Middle Atlantic	141,130	85,135	7.9	7.6
East North Central	256,956	124,974	14.3	11.2
West North Central	202,969	91,900	11.3	8.2
South Atlantic	35,778	19,612	2.0	1.8
East South Central	43,717	21,343	2.4	1.9
West South Central	42,003	15,514	2.3	1.4
Mountain	46,844	19,220	2.6	1.7
Pacific	930,469	676,487	51.9	60.5
Other ¹	23,885	12,705	1.3	1.1

¹ 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.		
All countries	1,153,139	100.0	517,250	100.0	403,364	232,525	316,505
Atlantic Islands	6,663	0.6	2,860	0.6	2,830	973	3,496
Australia	5,597	0.5	3,296	0.6	2,077	2,064	2,267
Austria	25,578	2.2	17,163	3.3	5,576	2,839	5,930
Canada—French	8,066	0.7	7,103	0.6	1,755	3,202	2,407
Canada—Other	88,019	7.7	41,445	8.0	11,921	36,553	27,363
Denmark	26,408	2.3	14,208	2.7	8,244	4,043	9,036
England	115,488	10.0	48,067	9.4	26,096	40,725	36,732
Finland	3,992	0.3	6,156	1.2	2,535	301	2,763
France	32,612	2.8	17,390	3.4	8,836	6,387	12,248
Germany	206,382	17.9	76,305	14.8	85,362	44,715	72,635
Greece	3,398	0.3	7,918	1.5	269	211	370
Holland	4,417	0.4	2,304	0.4	1,078	1,035	1,013
Hungary	4,652	0.4	3,301	0.6	955	366	799
Ireland	159,079	13.8	52,475	10.1	69,088	37,216	44,473
Italy	102,618	8.9	63,601	12.3	32,651	6,366	22,774
Mexico	51,037	4.4	33,444	6.5	10,787	6,806	7,842
Norway	17,146	1.5	9,952	1.9	4,666	2,528	5,060
Portugal	51,619	4.5	22,427	4.3	21,794	7,898	12,042
Russia	27,186	2.4	16,607	3.2	8,946	1,833	4,252
Scotland	32,158	2.8	13,694	2.6	7,443	11,021	9,467
Spain	6,442	0.6	4,218	0.8	1,180	1,045	893
Sweden	46,471	4.0	20,210	5.1	14,797	5,464	14,547
Switzerland	28,013	2.4	14,520	2.8	8,861	4,937	10,974
Turkey	6,332	0.5	4,621	0.9	1,679	132	645
Wales	6,935	0.6	2,415	0.5	1,961	2,550	1,940
All other	175,267	15.3	9,044	1.7	1,021	3,306	5,528

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

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		
Total	920,397	544,087	100.0	100.0	665,522	378,277
White	846,207	489,545	91.9	90.0	610,846	342,856
Negro	8,143	3,711	0.9	0.7	6,199	2,668
Indian	4,501	4,367	0.5	0.8	3,059	2,699
Chinese	23,661	39,782	3.1	7.3	12,871	22,307
Japanese	30,942	6,682	3.4	1.2	30,658	8,357
All other	1,943		0.2		1,889	
Native white	548,842	309,251	59.6	56.8	420,982	243,557
Native parentage	387,783	201,534	40.0	37.0	266,582	140,086
Foreign or mixed parentage	181,059	107,667	19.7	19.8	154,400	103,471
Foreign-born white	297,36					

SUPPLEMENT FOR CALIFORNIA.

TABLE 7.—AGE, FOR THE STATE.

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

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.....	2,377,549	1,485,053	1,322,978	1,054,571	585,658	520,875	321,915	313,973	325,417	191,833
Under 5 years.....	193,659	125,937	98,390	95,269	57,399	55,422	35,961	34,973	1,713	1,581
Under 1 year.....	40,336	25,137	20,626	19,710	11,932	11,566	7,774	7,339	125	98
5 to 9 years.....	176,192	137,005	89,099	87,093	50,762	49,500	31,349	30,910	4,450	4,194
10 to 14 years.....	173,945	126,889	87,895	86,049	48,368	47,565	31,908	31,441	5,022	4,909
15 to 19 years.....	195,034	128,084	102,000	94,034	60,409	49,895	34,821	35,043	11,269	9,821
20 to 24 years.....	234,121	136,549	131,064	103,057	57,057	50,636	32,661	34,137	51,362	15,231
25 to 29 years.....	240,426	134,269	142,834	103,592	55,500	47,642	31,078	31,787	42,963	20,723
30 to 34 years.....	225,610	129,103	131,048	94,502	50,040	42,024	29,174	29,329	39,579	20,379
35 to 39 years.....	200,819	123,122	114,194	86,025	44,150	37,598	26,701	26,247	34,348	20,540
40 to 44 years.....	174,286	104,214	101,430	72,850	37,960	31,463	21,193	19,622	34,527	20,109
45 to 49 years.....	146,878	81,939	86,179	60,699	32,051	26,701	16,900	15,183	30,463	17,532
50 to 54 years.....	119,293	69,530	69,741	49,532	27,573	23,021	12,550	10,966	23,805	14,649
55 to 59 years.....	82,095	52,504	47,290	34,805	19,017	16,588	6,914	5,941	17,580	11,678
60 to 64 years.....	75,507	48,888	45,840	30,727	17,663	14,827	4,601	3,605	17,927	11,778
65 to 74 years.....	88,132	58,398	50,079	38,053	22,976	18,923	4,970	3,498	20,550	15,011
75 to 84 years.....	32,486	16,430	18,623	13,863	9,454	7,163	1,362	911	7,334	5,462
85 to 94 years.....	4,390	1,853	2,394	1,996	1,184	987	168	118	624	46
95 years and over.....	255	100	138	117	46	30	8	5	54	779
Age unknown.....	8,361	10,174	6,739	1,622	3,049	881	295	253	1,503	361
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.....	8.1	8.5	7.4	9.0	9.8	10.6	11.2	11.1	0.5	0.8
5 to 9 years.....	7.4	9.2	6.7	8.3	8.7	9.5	9.7	9.8	1.4	2.2
10 to 14 years.....	7.3	8.5	6.5	8.2	8.3	9.1	9.9	10.0	1.6	2.6
15 to 19 years.....	8.2	8.6	7.7	8.9	8.6	9.0	10.8	11.2	3.5	3.6
20 to 24 years.....	9.8	9.2	9.9	9.8	9.7	9.7	10.1	10.9	9.8	7.9
25 to 29 years.....	19.9	17.7	20.7	18.8	18.2	17.2	18.7	19.5	25.4	21.4
30 to 34 years.....	15.8	15.3	18.3	15.1	14.0	13.3	14.8	14.6	21.2	21.2
35 to 44 years.....	17.8	17.0	18.7	16.7	16.4	15.6	12.7	11.4	27.6	29.0
45 to 64 years.....	5.3	5.2	5.4	5.1	5.7	5.2	1.9	1.4	8.9	11.1

AGE PERIOD.	NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	11,303	10,342	8,356	8,015	33,008	3,245	35,116	6,240	2,210	47
Under 5 years.....	782	787	920	891	459	394	1,198	1,213	8	8
Under 1 year.....	150	149	190	185	68	74	326	296	1	3
5 to 9 years.....	698	729	978	976	441	398	419	384	2	2
10 to 14 years.....	690	777	904	878	766	343	187	133	11	3
15 to 19 years.....	848	904	900	873	2,129	258	1,491	255	143	.....
20 to 24 years.....	1,114	1,069	661	593	2,180	844	5,608	1,045	426	2
25 to 29 years.....	1,343	1,230	575	544	1,633	289	8,196	1,367	541	10
30 to 34 years.....	1,256	1,040	528	498	2,246	308	7,795	977	430	7
35 to 39 years.....	1,159	1,005	484	466	2,460	251	4,998	513	229	5
40 to 44 years.....	935	781	460	426	3,331	213	2,861	238	163	4
45 to 49 years.....	816	650	412	372	4,357	145	1,115	69	65	3
50 to 54 years.....	612	468	338	290	4,287	124	510	33	60	1
55 to 59 years.....	356	277	227	228	3,046	77	124	15	15	2
60 to 64 years.....	281	224	279	242	2,894	46	147	5	48	.....
65 to 74 years.....	285	220	320	356	1,341	44	14	1	23	.....
75 to 84 years.....	101	102	216	222	149	2	6	1	1	.....
85 to 94 years.....	17	28	87	84	13	.....	.....	.....	.....	.....
95 years and over.....	5	3	25	24	.....	.....	.....	.....	.....	.....
Age unknown.....	55	48	42	53	1,271	9	476	18	45	.....
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.....	6.5	7.6	11.0	11.1	1.4	12.1	3.4	19.4	0.4	.....
5 to 9 years.....	6.2	7.0	11.7	12.2	1.3	12.3	1.2	6.2	0.1	.....
10 to 14 years.....	6.1	7.5	10.8	11.0	2.3	10.6	0.5	2.1	0.5	.....
15 to 19 years.....	7.5	8.7	10.8	10.9	6.5	8.0	4.2	3.8	6.5	.....
20 to 24 years.....	9.9	10.3	7.9	7.4	6.6	10.6	16.0	16.7	19.3	.....
25 to 34 years.....	23.0	21.9	13.2	13.0	11.8	18.4	45.5	37.6	43.9	.....
35 to 44 years.....	18.5	17.3	11.3	11.1	17.5	14.3	22.3	12.0	17.7	.....
45 to 64 years.....	18.3	15.7	15.0	14.1	44.2	12.1	5.4	1.8	8.5	.....
65 years and over.....	3.6	3.4	7.8	8.6	4.6	1.4	0.1	(1)	1.1

¹ Less than one-tenth of 1 per cent.

STATISTICS OF POPULATION.

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TABLE 8.—AGE, FOR URBAN AND RURAL POPULATION.

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

AGE PERIOD.	TOTAL.				NATIVE WHITE.				FOREIGN-BORN WHITE.			
	Male.		Female.		Male.		Female.		Male.		Female.	
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
All ages, number.....	781,502	541,476	688,237	368,334	539,492	368,081	535,923	298,926	195,255	130,162	136,581	55,252
Under 5 years.....	55,995	42,395	54,239	41,030	53,310	40,050	51,605	38,790	1,072	641	1,023	558
Under 1 year.....	11,895	8,731	11,240	8,470	11,468	8,298	10,847	8,058	81	44	51	47
5 to 9 years.....	49,449	39,850	49,003	38,090	45,387	36,724	45,166	35,244	2,883	1,567	2,077	1,517
10 to 14 years.....	49,407	38,489	50,209	35,840	44,879	35,397	45,802	33,204	3,156	1,906	3,283	1,626
15 to 19 years.....	50,539	42,461	60,214	33,820	50,527	34,703	53,958	30,985	5,934	5,325	4,928	1,893
20 to 24 years.....	78,236	52,828	71,425	31,632	56,081	33,687	58,213	26,580	16,689	14,073	11,262	3,969
25 to 34 years.....	169,627	104,255	137,587	60,567	107,882	58,910	104,003	46,779	49,583	32,964	29,672	11,430
35 to 44 years.....	132,385	83,239	109,043	50,438	80,462	49,237	77,877	37,053	42,982	26,893	28,742	11,907
45 to 64 years.....	144,517	102,533	119,380	56,403	79,018	58,267	77,870	38,962	54,962	34,819	39,676	16,011
65 years and over.....	37,381	33,853	35,934	18,095	19,701	20,067	20,564	11,080	16,814	12,948	15,046	6,252
Age unknown.....	4,966	1,773	1,203	410	2,295	1,049	865	269	1,180	326	272	89
All ages, per cent....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	7.2	7.8	7.9	11.2	9.9	10.9	9.6	13.0	0.5	0.5	0.7	1.0
5 to 9 years.....	6.3	7.2	7.1	10.2	8.4	10.0	8.4	11.8	1.5	1.2	2.0	2.7
10 to 14 years.....	6.3	7.1	7.3	9.8	8.3	9.6	8.5	11.1	1.6	1.5	2.4	2.9
15 to 19 years.....	7.6	7.8	8.7	9.2	9.4	9.4	10.1	10.4	3.0	4.1	3.6	3.4
20 to 24 years.....	10.0	9.8	10.4	8.6	10.4	9.2	10.9	8.9	8.5	11.3	8.2	7.2
25 to 34 years.....	21.7	19.3	20.0	16.5	20.0	16.0	19.4	15.6	25.4	25.3	21.7	20.7
35 to 44 years.....	16.9	15.4	15.8	13.8	14.9	13.4	14.5	12.4	22.0	19.9	21.0	21.6
45 to 64 years.....	18.5	18.9	17.3	15.4	14.6	15.8	14.5	13.0	28.1	26.8	29.0	29.0
65 years and over.....	4.8	6.3	5.2	4.9	3.7	5.5	3.8	3.7	8.6	9.3	11.0	11.3

AGE PERIOD.	NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.											
	Male.		Female.		Male.		Female.		Male.		Female.		Male.		Female.					
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.				
All ages, number.....	9,285	2,018	9,114	1,228	429	7,927	402	7,613	21,489	11,514	2,773	472	15,201	19,915	3,411	2,829	351	1,859	33	14
Under 5 years.....	638	94	674	113	17	903	6	885	385	74	323	71	570	628	602	611	3	5	6	2
Under 1 year.....	126	24	132	17	4	186	1	184	61	7	48	26	155	171	160	130	.....	.....	1	2
5 to 9 years.....	588	110	611	118	15	963	22	954	371	70	344	54	205	214	182	202	.....	2	1	1
10 to 14 years.....	544	146	659	118	90	814	81	797	627	139	297	46	107	80	85	48	4	7	2	1
15 to 19 years.....	651	197	796	108	174	726	159	714	1,525	604	224	34	707	784	149	86	21	122	.....	.....
20 to 24 years.....	906	208	975	94	46	615	44	549	1,641	539	309	35	2,864	2,739	620	425	59	367	2	.....
25 to 34 years.....	2,179	420	2,042	228	46	1,057	48	994	2,834	1,045	522	75	6,041	9,050	1,290	1,064	162	809	10	7
35 to 44 years.....	1,782	312	1,613	173	17	927	19	873	4,129	1,062	386	78	2,939	4,890	398	353	74	318	8	1
45 to 64 years.....	1,664	401	1,416	203	16	1,240	16	1,116	8,214	6,370	326	66	620	1,281	72	43	23	165	4	2
65 years and over.....	287	121	283	70	7	641	5	681	567	936	34	12	4	17	2	.....	1	23	.....	.....
Age unknown.....	46	9	45	3	1	41	2	50	1,196	75	8	1	244	232	11	7	4	41	.....	.....
All ages, per cent....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	6.9	4.7	7.4	9.2	4.0	11.4	1.5	11.6	1.8	0.6	11.6	15.0	3.7	3.2	17.6	21.6	0.9	0.3	.....	.....
5 to 9 years.....	6.3	5.5	6.7	9.6	3.5	12.1	5.5	12.5	1.7	0.6	12.4	11.4	1.3	1.1	5.3	7.1	.....	0.1	.....	.....
10 to 14 years.....	5.9	7.2	7.2	9.6	21.0	10.3	20.1	10.5	2.9	1.2	10.7	9.7	0.7	0.4	2.5	1.7	1.1	0.4	.....	.....
15 to 19 years.....	7.0	9.8	8.7	8.8	40.6	9.2	39.6	9.4	7.1	5.2	8.1	7.2	4.7	3.9	4.4	3.0	6.0	6.6	.....	.....
20 to 24 years.....	9.8	10.3	10.7	7.7	10.7	7.8	10.9	7.2	7.6	4.7	11.1	7.4	18.8	13.8	18.2	15.0	16.8	19.7	.....	.....
25 to 34 years.....	23.5	20.8	22.4	18.6	10.7	13.3	11.9	13.1	13.2	9.1	18.8	15.9	45.7	45.4	37.8	37.3	46.2	43.5	.....	.....
35 to 44 years.....	19.2	16.5	17.7	14.1	4.0	11.7	4.7	11.5	10.2	14.4	13.9	16.5	19.3	24.6	11.7	12.5	21.1	17.1	.....	.....
45 to 64 years.....	17.9	19.9	15.5	16.5	3.7	15.6	4.0	14.7	38.2	55.3	11.8	14.0	4.1	6.4	2.1	1.5	6.6	8.9	.....	.....
65 years and over.....	3.1	6.0	3.1	5.7	1.6	8.1	1.2	8.9	2.6	8.1	1.2	2.5	(1)	0.1	0.1	.....	0.3	1.2	.....	.....

¹ Less than one-tenth of 1 per cent.

TABLE 9.—SCHOOL ATTENDANCE.

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

AGE PERIOD.	TOTAL.			NATIVE WHITE.						FOREIGN-BORN WHITE.					
	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.....	555,584	381,077	65.0	296,850	205,043	69.1	196,467	129,155	65.7	43,405	17,815	41.0			
Male.....	285,577	180,147	63.1	149,783	101,394	67.7	98,255	64,310	65.5	25,607	9,222	35.9			
Female.....	269,977	180,930	67.0	147,067	103,649	70.5	98,212	64,845	66.0	17,798	8,593	48.4			
6 to 9 years.....	139,639	109,378	78.3	79,183	62,186	78.5	49,265	39,302	79.8	7,328	5,555	75.8			
10 to 14 years.....	173,945	163,142	93.8	95,933	90,799	94.6	63,349	59,882	94.5	9,971	8,690	87.2			
15 to 17 years.....	112,010	66,013	58.9	59,166	38,372	64.9	41,659	23,196	55.7	7,538	2,533	34.3			
18 to 20 years.....	129,960	22,544	17.3	62,568	13,686	21.9	42,194	6,775	16.1	18,568	987	5.3			
Under 6 years.....		6,788			3,905			2,427			242				
21 years and over.....		9,801			5,318			2,390			1,146				
Total attending school.....		377,066			214,266			133,972			19,203				
URBAN POPULATION.															
6 to 14 years.....	177,631	157,330	88.6	94,247	83,592	88.7	67,965	60,786	89.4	11,143	9,478	85.1			
15 to 20 years.....	148,250	83,765	56.5	71,652	30,179	42.1	55,528	19,172	34.5	15,280	2,448	16.0			
RURAL POPULATION.															
6 to 14 years.....	135,953	115,190	84.7	80,869	69,393	85.8	44,649	38,398	86.0	6,156	4,707	77.4			
15 to 20 years.....	93,720	34,792	37.1	50,082	21,879	43.7	28,327	10,799	38.1	10,826	1,122	10.4			
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.....	4,732	2,986	62.0	5,439	2,950	54.2	4,750	2,209	46.5	3,648	936	25.7	263	33	12.5
Male.....	2,271	1,359	59.8	2,723	1,522	55.9	3,778	1,647	43.6	2,842	665	23.4	253	28	10.9
Female.....	2,461	1,577	64.1	2,716	1,428	52.6	972	562	57.8	806	271	33.6	5	5
6 to 9 years.....	1,112	902	81.1	1,543	758	49.1	640	383	59.8	565	289	51.2	3	3
10 to 14 years.....	1,467	1,379	94.0	1,782	1,282	71.9	1,109	843	76.0	320	255	79.7	14	12
15 to 17 years.....	957	506	52.9	1,089	657	60.3	1,244	580	46.6	314	111	35.4	43	8
18 to 20 years.....	1,196	149	12.5	1,025	253	24.7	1,757	408	22.9	2,440	281	11.5	208	10	4.9
Under 6 years.....		79			58			44			33				
21 years and over.....		32			87			281			554			13	
Total attending school.....		3,047			3,075			2,534			1,523			46	
URBAN POPULATION.															
6 to 14 years.....	2,134	1,919	89.9	204	197	96.6	1,471	1,027	69.8	460	324	70.4	7	7
15 to 20 years.....	1,802	535	29.7	370	327	88.4	2,193	779	35.4	1,386	318	22.9	36	7
RURAL POPULATION.															
6 to 14 years.....	445	362	81.3	3,121	1,843	59.1	278	199	71.6	425	220	51.8	10	8
15 to 20 years.....	351	120	34.2	1,744	583	33.4	803	204	25.4	1,377	74	5.4	210	11	5.2

TABLE 10.—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.
THE STATE.													
Total illiterate, 1910.....	74,902	3.7	47,574	4.2	27,328	3.1	Total illiterate, 1910.....	30,813	2.4	16,705	2.5	14,108	2.4
Native white.....	7,509	0.5	3,599	0.5	3,610	0.5	Native white.....	3,052	0.3	1,376	0.3	1,676	0.4
Native parentage.....	4,323	0.5	2,264	0.5	2,059	0.5	Native parentage.....	1,726	0.3	765	0.3	961	0.4
Foreign or mixed parentage.....	3,186	0.6	1,635	0.6	1,551	0.6	Foreign or mixed parentage.....	1,326	0.4	611	0.4	715	0.4
Foreign-born white.....	50,292	10.0	32,137	10.1	18,155	9.8	Foreign-born white.....	23,178	7.1	12,391	6.5	10,787	8.1
Negro.....	1,329	7.1	601	6.1	728	8.2	Negro.....	936	5.9	339	4.2	597	7.6
Indian.....	6,174	49.0	2,932	45.4	3,242	52.7	Indian.....	85	4.5	18	4.5	17	4.5
Chinese.....	5,365	15.5	4,495	14.0	800	35.1	Chinese.....	2,385	10.4	1,068	8.0	717	34.0
Japanese.....	3,297	8.6	2,567	7.7	730	15.7	Japanese.....	1,117	6.6	806	5.6	311	11.8
All other.....	940	42.3	943	42.9	3	.....	All other.....	110	29.4	107	30.7	3	.....
URBAN POPULATION.													
Total illiterate, 1910.....	58,959	4.8	36,444	5.3	22,515	4.2	Total illiterate, 1910.....	44,089	5.9	30,869	6.7	13,220	4.6
Native white.....	8,320	1.0	4,292	1.0	4,028	1.0	Native white.....	4,457	0.9	2,523	0.9	1,934	0.9
Native parentage.....	4,983	1.0	2,569	1.0	2,414	1.0	Native parentage.....	2,597	0.7	1,499	0.7	1,098	0.7
Foreign or mixed parentage.....	3,337	1.0	1,723	1.0	1,614	1.0	Foreign or mixed parentage.....	1,860	1.2	1,024	1.2	1,836	1.2
Foreign-born white.....	27,267	8.7	15,518	8.2	11,749	9.5	Foreign-born white.....	27,114	15.0	10,746	15.4	7,868	13.9
Negro.....	1,211	13.4	574	12.1	637	14.8	Negro.....	393	14.0	202	14.4	131	13.1
Indian.....	7,700	65.3	3,744	63.3	3,956	67.2	Indian.....	6,139	51.9	2,914	48.1	3,225	55.9
Chinese.....	12,488	28.2	10,454	25.2	2,034	23.6	Chinese.....	2,970	25.3	2,827	24.9	149	41.2
Japanese.....	1,973	19.7	1,862	19.5	111	22.2	Japanese.....	2,180	10.3	1,761	9.2	419	20.8
All other.....							All other.....	836	44.9	886	45.1		

STATISTICS OF POPULATION.

TABLE 11.—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. ¹	Single.		Married.		Wid-owed.	Di-ivorced.	Total. ¹	Single.		Married.		Wid-owed.	Di-ivorced.
		Number.	Per cent.	Number.	Per cent.				Number.	Per cent.	Number.	Per cent.		
THE STATE.														
Total, 1910.....	1,047,593	480,292	45.8	495,538	47.3	46,423	10,784	786,160	219,540	27.9	459,187	58.4	95,949	10,499
Total, 1900.....	623,708	304,284	48.8	280,007	44.9	29,385	4,066	471,614	140,764	31.1	260,877	55.2	39,048	4,268
15 to 19 years.....	102,000	101,000	99.0	611	0.6	11	10	94,034	85,071	90.5	8,507	9.1	99	95
20 to 24 years.....	131,064	109,792	83.8	19,403	14.8	235	212	103,057	52,020	51.1	48,039	47.2	792	869
25 to 34 years.....	273,882	139,726	51.0	125,979	46.0	2,689	2,064	198,154	45,717	23.1	143,630	72.4	5,695	3,070
35 to 44 years.....	215,624	62,025	29.2	141,382	65.6	6,167	3,117	150,481	20,117	12.6	123,037	77.2	12,804	3,425
45 years and over.....	318,284	65,226	20.5	207,493	65.2	37,286	5,332	229,812	15,560	6.8	134,772	58.6	76,320	3,014
Age unknown.....	6,739	1,614	24.0	670	9.9	95	19	1,622	461	28.4	622	38.3	230	26
Native white:														
Native parentage ²	420,120	184,243	42.9	213,416	49.7	20,196	5,481	368,388	105,639	28.7	212,375	57.6	44,118	5,744
15 to 24 years.....	107,466	96,247	89.6	10,216	9.5	115	125	100,631	70,687	70.3	28,652	28.5	461	574
25 to 44 years.....	188,650	67,493	35.8	113,310	60.1	3,755	2,672	158,727	27,744	17.5	119,148	75.1	8,220	3,507
45 years and over.....	129,964	19,812	15.2	89,691	68.9	10,285	2,676	108,249	6,947	6.4	64,268	59.4	35,333	1,051
Foreign or mixed parentage ²	222,697	118,588	53.3	94,437	42.4	6,810	2,493	216,650	81,054	37.4	115,839	53.5	16,702	2,840
15 to 24 years.....	67,482	62,690	92.9	4,521	6.7	65	60	60,185	52,468	75.8	10,077	23.2	281	281
25 to 44 years.....	107,841	45,033	41.8	59,210	54.0	2,110	1,473	108,985	24,705	23.1	75,017	70.1	5,229	1,978
45 years and over.....	47,079	10,743	22.8	30,017	65.0	4,722	958	40,227	3,794	9.4	24,639	61.2	11,205	575
Foreign-born white ²	314,192	132,118	42.1	156,393	49.8	17,289	2,568	181,149	28,778	15.9	117,950	65.1	32,571	1,655
15 to 24 years.....	42,621	37,705	88.5	4,080	9.6	47	26	22,052	11,792	53.5	10,044	45.5	122	65
25 to 44 years.....	151,422	67,433	44.5	77,251	51.0	2,404	017	81,751	12,251	15.0	64,348	78.7	4,250	847
45 years and over.....	118,643	26,474	22.3	74,861	63.1	14,805	1,617	70,985	4,644	6.0	43,413	56.4	28,128	738
Negro ²	9,183	3,975	43.3	4,494	48.9	538	123	8,049	1,909	23.7	4,480	55.8	1,455	184
15 to 24 years.....	1,962	1,705	86.9	236	12.0	9	5	1,973	1,254	63.6	4,647	32.8	42	27
25 to 44 years.....	4,693	1,797	38.3	2,638	56.2	179	69	4,056	543	13.4	2,855	70.4	534	120
45 years and over.....	2,473	458	18.5	1,604	64.9	346	49	1,972	104	5.3	969	49.1	865	34
Indian ²	5,554	2,063	37.1	2,704	50.3	580	65	5,270	1,191	22.6	3,119	59.2	845	67
15 to 24 years.....	1,561	1,353	86.7	178	11.4	5	5	1,466	937	63.9	468	31.9	20	15
25 to 44 years.....	2,047	648	31.6	1,312	64.1	135	42	1,934	208	10.8	1,625	78.9	158	37
45 years and over.....	1,904	156	8.2	1,285	67.5	437	17	1,818	42	2.3	1,101	60.6	649	15
Chinese ²	31,337	14,751	47.1	13,097	44.7	628	8	2,110	450	21.3	1,455	69.0	188	3
15 to 24 years.....	4,309	3,855	89.5	421	9.8	9	3	602	318	52.8	270	45.8	6	6
25 to 44 years.....	9,070	4,004	44.1	5,262	54.4	99	3	1,061	106	10.0	881	83.0	67	2
45 years and over.....	16,087	6,826	42.4	8,295	51.6	529	5	438	21	4.8	298	68.0	114	1
Japanese ²	33,312	23,154	69.5	9,320	28.0	324	45	4,510	522	11.6	3,016	66.8	63	6
15 to 24 years.....	7,094	6,794	95.8	251	3.5	3	1	1,280	235	18.4	1,040	81.3	3	2
25 to 44 years.....	23,820	16,500	69.3	7,000	33.2	232	35	3,095	275	8.9	2,778	89.8	37	4
45 years and over.....	1,922	667	34.7	1,143	59.5	88	9	117	7	6.0	87	74.4	23	4
All other ²	2,180	1,400	64.0	637	31.4	58	1	34	3	.....	24	.....	7	.....
15 to 24 years.....	660	452	79.4	111	19.5	2	.....	2	.....	.....	2	.....	.....	.....
25 to 44 years.....	1,303	843	64.7	478	36.1	32	.....	26	.....	.....	20	.....	4	.....
45 years and over.....	212	90	42.5	97	45.8	24	.....	6	.....	.....	2	.....	3	.....
URBAN POPULATION.														
Total.....	628,651	271,632	43.3	310,425	49.5	26,215	6,920	534,786	157,895	29.5	298,975	55.5	70,793	8,444
15 to 24 years.....	137,775	123,194	89.4	12,775	9.3	154	165	131,039	93,715	71.2	36,342	27.6	629	748
25 to 44 years.....	302,012	117,225	38.8	170,647	56.5	5,390	3,741	246,630	51,837	21.0	174,825	70.9	14,430	5,365
45 years and over.....	181,898	30,170	16.6	126,608	69.6	20,608	3,002	155,314	11,975	7.7	85,381	55.0	55,561	2,306
Age unknown.....	4,960	1,043	21.0	397	8.0	63	12	1,203	368	30.6	427	35.5	173	25
Native white—Native parentage.....	249,201	103,083	41.6	127,926	51.3	10,562	3,352	236,212	71,819	30.4	128,240	54.3	31,228	4,573
Native white—Foreign or mixed par.....	146,715	75,472	51.4	65,160	44.4	4,122	1,731	157,138	60,182	38.3	81,359	51.8	13,088	2,356
Foreign-born white.....	188,144	70,823	37.6	99,600	52.9	10,636	1,704	129,698	23,187	17.9	79,987	61.7	24,993	1,341
Negro.....	7,515	3,087	41.1	3,883	51.7	412	95	7,170	1,688	23.5	3,985	55.6	1,321	165
Indian.....	807	250	31.0	44	14.3	6	1	293	222	75.8	56	19.1	12	2
Chinese.....	20,106	8,190	40.7	9,755	48.5	363	6	1,809	398	22.0	1,239	68.5	100	2
Japanese.....	14,319	9,946	69.5	3,916	27.3	98	30	2,542	399	15.7	2,002	82.3	44	5
All other.....	344	175	50.9	141	41.0	16	1	24	.....	.....	17	.....	7	.....
RURAL POPULATION.														
Total.....	420,942	208,660	49.6	185,113	44.0	20,208	3,864	251,374	61,651	24.5	162,192	64.5	25,156	2,055
15 to 24 years.....	95,289	87,007	91.3	7,239	7.6	92	57	65,452	43,976	67.2	20,864	31.9	262	216
25 to 44 years.....	187,494	85,426	45.6	96,714	51.6	3,456	1,470	111,005	13,997	12.6	91,742	82.6	4,069	1,130
45 years and over.....	136,386	35,056	25.7	80,887	59.3	16,628	2,330	74,498	3,585	4.8	49,391	66.3	20,759	708
Age unknown.....	1,773	671	32.2	273	15.4	32	7	419	93	22.2	195	46.5	66	1
Native white—Native parentage.....	179,928	80,560	44.8	85,490	47.5	9,634	2,120	132,176	33,820	25.6	84,135	63.7	12,890	1,171
Native white—Foreign or mixed par.....	75,982	43,116	56.7	29,277	38.5	2,688	762	59,512	20,872	35.1	34,480	57.9	3,614	484
Foreign-born white.....	126,048	61,295	48.6	56,793	45.1	6,653	864	51,551	5,591	10.8	37,963	73.6	7,638	314
Negro.....	1,668	888	53.2	611	36.6	126	28	879	221	25.1	504	57.3	134	19
Indian.....	5,247	1,807	34.4	2,750	52.4	574	64	4,977	969	19.5	3,063	61.5	833	65
Chinese.....	11,231	6,561	58.4	4,242	37.8	265	2	301	52	17.3	216	71.8	28	1
Japanese.....	18,993	13,208	69.5	5,404	28.5	226	15	1,968	123	6.3	1,824	92.7	19	1
All other.....	1,845	1,225	66.4	546	29.6	42	.....	10	3	.....	7	.....	.....	.....

¹ Total includes persons whose marital condition is unknown.

² Totals include persons of unknown age.

TABLE 12.—FOREIGN WHITE STOCK, BY NATIONALITY, FOR CITIES OF 100,000 OR MORE.

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	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.		
LOS ANGELES.															
All countries.....	135,340	100.0	60,584	100.0	45,715	29,041	17,917	Ireland.....	12,804	9.5	3,877	6.4	5,209	3,718	1,720
Australia.....	325	0.2	220	0.4	13	92	77	Italy.....	6,461	4.8	3,802	6.3	2,289	370	763
Austria.....	3,637	2.7	2,510	4.1	742	385	353	Mexico.....	8,917	6.6	5,611	9.3	2,295	1,011	816
Canada—French.....	1,336	1.0	692	1.0	289	455	213	Norway.....	1,943	1.4	1,003	1.7	656	284	163
Canada—Other.....	14,574	10.8	7,657	12.6	1,760	5,157	2,675	Portugal.....	383	0.2	123	0.2	129	76	22
Denmark.....	2,040	1.5	1,098	1.8	698	346	239	Russia.....	7,478	5.5	4,768	7.9	2,406	314	293
England.....	16,920	12.5	7,575	12.5	3,007	5,738	3,016	Scotland.....	3,900	2.9	1,589	2.6	942	1,369	573
Finland.....	332	0.2	261	0.4	58	13	10	Spain.....	759	0.6	384	0.6	211	164	89
France.....	4,023	3.0	1,914	3.2	1,155	959	993	Sweden.....	6,150	4.5	3,414	5.0	2,004	732	808
Germany.....	23,591	21.1	9,683	16.0	12,494	6,414	4,032	Switzerland.....	1,690	1.2	823	1.4	419	443	370
Greece.....	420	0.3	361	0.6	20	39	20	Turkey.....	704	0.5	505	0.8	178	21	13
Holland.....	808	0.6	408	0.7	218	182	86	Wales.....	1,155	0.9	414	0.7	368	373	166
Hungary.....	1,136	0.8	819	1.4	260	57	60	All other.....	18,899	6.6	1,175	1.9	17,395	329	347
OAKLAND.															
All countries.....	86,758	100.0	36,822	100.0	32,949	16,987	18,223	Ireland.....	12,411	14.3	4,160	11.3	5,428	2,823	3,197
Atlantic islands.....	414	0.5	211	0.6	165	38	291	Italy.....	6,447	7.4	3,800	10.3	2,228	419	613
Australia.....	636	0.7	402	1.1	26	208	151	Mexico.....	458	0.5	249	0.7	100	109	93
Austria.....	1,829	2.1	1,267	3.4	365	197	177	Norway.....	1,820	2.1	996	2.7	556	258	344
Canada—French.....	816	0.7	245	0.7	147	224	223	Portugal.....	8,310	9.6	3,367	9.1	3,909	944	1,018
Canada—Other.....	6,205	7.2	2,881	7.8	871	2,463	1,538	Russia.....	1,317	1.5	799	2.2	441	77	175
Denmark.....	2,627	3.0	1,461	4.0	861	305	571	Scotland.....	3,044	3.5	1,322	3.6	771	951	703
England.....	8,990	10.4	3,707	10.1	2,135	3,148	2,022	Spain.....	240	0.3	101	0.3	60	79	28
Finland.....	469	0.5	319	0.9	126	24	40	Sweden.....	4,134	4.8	2,337	6.3	1,395	402	694
France.....	2,346	2.7	1,204	3.3	690	452	407	Switzerland.....	1,228	1.4	618	1.7	371	239	285
Germany.....	14,693	16.9	5,478	14.9	6,150	3,007	2,750	Turkey.....	158	0.2	112	0.3	34	12	5
Greece.....	517	0.6	470	1.3	30	17	16	Wales.....	638	0.7	267	0.7	174	197	134
Holland.....	299	0.3	165	0.4	71	63	33	All other.....	16,544	7.5	638	1.7	15,642	264	287
Hungary.....	368	0.4	248	0.7	103	17	128								
SAN FRANCISCO.															
All countries.....	284,655	100.0	130,874	100.0	107,293	46,488	104,264	Ireland.....	66,784	23.5	23,151	17.7	31,262	12,371	15,941
Atlantic islands.....	261	0.1	136	0.1	83	42	83	Italy.....	29,081	10.2	16,918	12.9	10,206	1,987	7,598
Australia.....	2,222	0.8	1,347	1.0	94	781	1,095	Mexico.....	2,807	1.0	1,763	1.3	568	470	1,439
Austria.....	7,167	2.5	4,841	3.5	1,874	852	2,006	Norway.....	5,185	1.8	3,709	2.9	960	450	2,172
Canada—French.....	1,064	0.4	474	0.4	227	363	429	Portugal.....	1,354	0.5	570	0.4	573	211	523
Canada—Other.....	11,680	4.1	5,637	4.3	1,685	4,308	4,781	Russia.....	7,410	2.6	4,640	3.5	2,185	585	2,049
Denmark.....	4,813	1.7	3,118	2.4	1,125	675	2,170	Scotland.....	7,120	2.5	3,068	2.3	1,572	1,880	3,000
England.....	20,455	7.2	9,815	7.5	4,235	6,405	8,953	Spain.....	1,720	0.6	1,170	0.9	341	209	233
Finland.....	2,411	0.8	1,846	1.4	509	56	835	Sweden.....	10,599	3.7	6,969	5.3	2,767	863	5,246
France.....	59,401	20.9	24,137	18.4	24,753	10,511	35,303	Switzerland.....	4,416	1.6	2,537	2.0	1,245	584	2,085
Germany.....	2,418	0.8	2,274	1.7	110	25	190	Turkey.....	862	0.3	722	0.6	117	25	117
Greece.....	833	0.3	500	0.4	159	174	244	Wales.....	1,069	0.4	401	0.3	292	376	366
Holland.....	1,811	0.6	1,247	1.0	394	170	315	All other.....	21,350	7.5	3,080	2.4	17,455	815	2,119

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

STATISTICS OF POPULATION.

TABLE 13.—AGE, FOR CITIES OF 100,000 OR MORE.

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.
Los Angeles	162,669	156,529	120,327	124,398	33,275	27,309	3,682	3,917	38	45	1,788	186	3,546	692	15	4
Under 5 years.....	11,508	11,309	10,798	10,605	268	267	265	291	4	4	43	30	130	115		
Under 1 year.....	2,484	2,314	2,359	2,195	26	16	59	55			8	5	32	42		
5 to 9 years.....	10,205	10,313	9,201	9,299	704	679	243	272	4	3	28	29	25	30		1
10 to 14 years.....	10,420	10,879	9,300	9,428	809	834	253	284	1	1	38	16	19	16		
15 to 19 years.....	12,553	13,053	10,575	11,486	1,412	1,149	280	364	3	9	97	13	183	32	3	
20 to 24 years.....	15,981	16,034	12,082	13,087	2,785	2,359	863	426	1	9	82	13	717	140	1	
25 to 34 years.....	35,593	32,360	24,707	24,903	8,028	6,243	844	890	19	15	228	28	1,758	270	9	1
35 to 44 years.....	27,580	26,252	18,600	19,367	7,240	6,093	677	692	3	2	379	24	590	73	1	1
45 to 64 years.....	31,004	28,635	20,006	20,683	9,376	7,333	655	539	1	5	851	12	114	12	1	1
65 years and over.....	7,635	7,804	4,902	5,395	2,509	2,317	93	91			40	1	1			
Age unknown.....	190	200	116	143	54	35	9	18			2		9	4		
Oakland	78,222	71,952	51,498	53,838	20,854	15,968	1,614	1,441	8	12	3,086	523	1,151	369	13	1
Under 5 years.....	6,393	6,192	6,055	5,857	102	83	107	109	1		65	63	63	80		
Under 1 year.....	1,331	1,338	1,260	1,279	5		25	25			12	13	23	21		
5 to 9 years.....	5,325	5,350	4,823	4,891	301	294	97	80		1	80	61	24	17		
10 to 14 years.....	5,124	5,344	4,639	4,838	319	345	68	78	1		102	74	9	9	1	
15 to 19 years.....	5,990	6,339	5,083	5,671	539	501	94	107			201	46	63	14		
20 to 24 years.....	7,573	7,519	5,299	6,027	1,044	1,220	173	147	1	1	220	54	240	70	1	
25 to 34 years.....	16,436	14,377	10,073	10,511	5,094	3,292	420	355	2	5	386	84	454	180	7	
35 to 44 years.....	13,226	11,060	7,315	7,226	4,682	3,451	326	271	1	2	608	67	231	42	3	1
45 to 64 years.....	14,440	12,043	6,609	6,825	6,204	4,908	294	235	1	3	1,208	67	63	5	1	
65 years and over.....	3,657	3,705	1,569	1,776	1,951	1,869	49	52	1		86	7	1			
Age unknown.....	93	23	21	16	18	5	1	1			10		1			
San Francisco	236,011	180,011	141,834	127,308	80,995	49,879	1,025	617	28	18	9,235	1,347	3,675	843	109	1
Under 5 years.....	14,866	14,312	14,234	13,714	298	274	52	49	2	2	163	139	127	134		
Under 1 year.....	3,169	2,984	3,086	2,914	18	12	11	11			19	14	38	33		
5 to 9 years.....	12,522	12,386	11,399	11,399	852	758	34	27	1	1	152	154	42	47		
10 to 14 years.....	12,379	12,443	11,076	11,262	952	907	28	27			297	126	42	30		
15 to 19 years.....	16,871	15,594	13,763	13,752	2,093	1,643	63	47	1	1	738	112	185	40	7	
20 to 24 years.....	26,070	20,419	16,397	15,602	7,418	4,408	120	75	6	5	848	107	762	162	19	
25 to 34 years.....	58,847	39,593	32,545	27,428	22,937	11,420	331	157	6	3	1,475	284	1,510	304	43	
35 to 44 years.....	43,254	28,745	22,256	18,065	16,341	10,274	105	114	2	2	1,764	196	609	93	27	1
45 to 64 years.....	40,343	28,239	16,157	13,467	14,565	156	156	88	6	1	2,601	150	143	28	12	
65 years and over.....	8,270	7,758	2,152	2,277	5,982	5,446	41	23	1		93	1				
Age unknown.....	3,479	459	1,314	320	844	124	5	3			1,104	12	212	5		

TABLE 14.—AGE, FOR CITIES OF 25,000 TO 100,000.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN, CHINESE, JAPANESE, AND ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
Berkeley	19,518	20,916	14,514	16,828	3,936	3,717	102	145	906	228
Under 5 years.....	1,646	1,590	1,574	1,531	28	16	9	6	35	37
Under 1 year.....	364	301	354	288				1	10	12
5 to 9 years.....	1,385	1,450	1,311	1,375	47	61	12	9	15	14
10 to 14 years.....	1,546	1,549	1,447	1,439	67	81	10	15	22	14
15 to 19 years.....	1,892	1,947	1,602	1,774	120	139	11	41	99	23
20 to 24 years.....	2,040	2,203	1,564	1,832	261	315	8	14	207	42
25 to 34 years.....	3,699	3,912	2,511	3,044	853	767	14	37	321	64
35 to 44 years.....	2,911	3,288	1,920	2,448	821	790	18	25	152	25
45 to 64 years.....	3,524	3,840	2,047	2,657	1,350	1,156	17	22	110	5
65 years and over.....	865	1,115	472	716	386	391	2	6	5	2
Age unknown.....	10	13	6	12	3	1				
Pasadena	13,684	16,607	11,074	13,819	1,989	2,358	342	402	329	28
Under 5 years.....	1,042	997	984	955	24	24	29	30	5	8
Under 1 year.....	203	214	196	203	3	3	4	5	3	1
5 to 9 years.....	984	1,009	917	955	34	31	4	22	2	1
10 to 14 years.....	999	1,117	946	1,089	27	46	25	31	1	1
15 to 19 years.....	1,147	1,241	1,042	1,151	61	54	20	27	17	3
20 to 24 years.....	1,136	1,339	935	1,169	110	142	26	33	7	2
25 to 34 years.....	2,216	2,914	1,601	2,292	377	532	55	51	123	9
35 to 44 years.....	2,068	2,777	1,525	2,114	415	533	72	70	46	1
45 to 64 years.....	2,893	3,807	2,154	3,047	611	682	68	77	60	1
65 years and over.....	1,160	1,373	882	1,098	209	258	9	17		
Age unknown.....	40	33	28	19	11	6		8	4	
Sacramento	25,332	19,364	17,183	15,637	5,713	3,172	270	216	2,168	339
Under 5 years.....	1,574	1,566	1,421	1,421	15	22	15	14	67	49
Under 1 year.....	348	1,308	1,304	1,304	1	1	3	2	13	5
5 to 9 years.....	1,389	1,347	1,270	1,252	51	49	12	12	42	31
10 to 14 years.....	1,389	1,347	1,270	1,252	64	57	11	16	47	22
15 to 19 years.....	1,305	1,325	1,475	1,653	171	125	22	27	137	20
20 to 24 years.....	2,650	2,260	1,823	1,917	550	264	19	26	249	53
25 to 34 years.....	6,343	3,989	3,940	3,193	1,638	652	70	35	695	109
35 to 44 years.....	4,673	3,188	2,911	2,464	1,235	635	60	45	467	44
45 to 64 years.....	4,561	3,017	2,554	2,049	1,525	923	50	35	432	10
65 years and over.....	969	905	471	457	453	441	11	6	34	1
Age unknown.....	32	23	28	19	2	4		2		

TABLE 14.—AGE, FOR CITIES OF 25,000 TO 100,000—Continued.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN, CHINESE, JAPANESE, AND ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
San Diego	20,726	18,852	15,668	15,431	4,280	3,086	800	297	478	38
Under 5 years.....	1,369	1,320	1,320	1,266	29	37	15	14	5	3
Under 1 year.....	282	270	277	264	3	2	—	3	2	1
5 to 9 years.....	1,327	1,262	1,213	1,174	102	67	10	17	2	4
10 to 14 years.....	1,330	1,369	1,215	1,237	88	112	17	17	10	8
15 to 19 years.....	1,553	1,579	1,347	1,416	165	132	18	29	23	2
20 to 24 years.....	1,782	1,810	1,405	1,540	310	225	28	40	39	5
25 to 34 years.....	3,692	3,216	2,654	2,508	730	570	64	66	94	12
35 to 44 years.....	3,154	2,955	2,167	2,281	831	618	65	50	91	6
45 to 64 years.....	4,692	3,911	2,988	2,888	1,368	971	60	50	176	2
65 years and over.....	1,741	1,347	1,134	998	583	335	12	14	12	—
Age unknown.....	286	83	225	63	24	19	—	—	26	1
San Jose	14,399	14,547	10,495	11,740	3,232	2,585	83	99	589	123
Under 5 years.....	1,154	1,102	1,121	1,057	17	18	6	9	10	18
Under 1 year.....	250	230	247	223	3	3	—	1	—	3
5 to 9 years.....	1,029	1,033	963	976	51	40	4	6	11	11
10 to 14 years.....	1,036	1,081	957	1,013	65	61	4	2	10	5
15 to 19 years.....	1,182	1,368	1,057	1,269	99	99	2	4	24	6
20 to 24 years.....	1,234	1,476	949	1,233	232	209	4	15	49	19
25 to 34 years.....	2,694	2,557	1,818	2,066	630	480	15	21	131	40
35 to 44 years.....	2,296	2,233	1,593	1,698	650	501	18	15	125	21
45 to 64 years.....	2,895	2,696	1,615	1,876	1,057	794	20	23	197	3
65 years and over.....	953	980	498	553	429	429	4	4	22	—
Age unknown.....	26	15	14	11	2	4	—	—	10	—

TABLE 15.—SEX, FOR CITIES OF 25,000 OR MORE.

CITY.	1910			1900			CITY.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.		Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
Berkeley.....	19,518	20,916	93.3	6,419	6,795	94.5	Sacramento.....	25,332	19,364	130.8	15,747	13,535	116.3
Los Angeles.....	162,869	160,529	103.9	59,519	51,980	97.2	San Diego.....	20,726	18,852	109.9	8,779	8,921	98.4
Oakland.....	78,222	71,952	108.7	32,921	34,639	96.7	San Francisco.....	236,901	180,011	131.6	184,866	157,916	117.1
Pasadena.....	13,684	16,607	82.4	4,073	5,044	80.7	San Jose.....	14,399	14,547	99.0	10,215	11,286	90.5

TABLE 16.—MARITAL CONDITION, FOR CITIES OF 25,000 OR MORE.

[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. ¹	Single.		Married.		Wid-owed.	Di-voiced.	Total. ¹	Single.		Married.		Wid-owed.	Di-voiced.
		Num-ber.	Per-cent.	Num-ber.	Per-cent.				Num-ber.	Per-cent.	Num-ber.	Per-cent.		
Berkeley														
Total.....	14,941	6,059	40.6	8,253	55.2	501	84	16,318	5,535	33.9	7,959	48.8	2,246	563
15 to 24 years.....	3,932	3,626	92.2	279	7.1	1	3	4,150	3,299	79.5	813	19.6	9	22
25 to 44 years.....	6,610	2,054	31.1	4,397	66.5	96	49	7,200	1,832	25.4	4,550	63.3	347	457
45 years and over.....	4,389	375	8.5	3,573	81.4	403	32	4,955	402	8.1	2,579	52.0	1,888	84
Age unknown.....	10	4	—	4	—	1	—	13	2	—	8	—	2	—
Native white—Native parentage.....	6,471	2,603	40.2	3,598	55.6	210	45	7,807	2,808	36.0	3,339	42.8	1,179	474
Native white—Foreign or mixed parentage.....	3,711	1,885	50.8	1,735	46.8	80	21	4,076	1,890	46.4	2,307	56.6	419	54
Foreign-born white.....	3,794	985	26.0	2,576	67.9	204	15	3,559	772	21.7	2,127	59.8	629	29
Negro.....	71	27	—	40	—	2	1	115	41	35.7	52	45.2	17	5
Indian.....	—	—	—	—	—	—	—	2	—	—	—	—	—	—
Chinese.....	372	237	63.7	131	35.2	1	—	28	16	—	10	—	2	—
Japanese.....	493	333	67.5	153	31.0	4	2	131	6	4.6	124	94.7	—	1
All other.....	29	9	—	20	—	—	—	—	—	—	—	—	—	—
Los Angeles														
Total.....	130,536	51,501	39.5	71,807	55.0	5,559	1,443	124,328	35,307	28.4	70,635	56.8	16,544	1,788
15 to 24 years.....	28,534	25,110	88.0	3,286	11.5	42	34	29,037	20,032	68.9	8,701	29.9	163	145
25 to 44 years.....	63,173	21,497	34.0	39,605	62.7	1,216	775	58,802	12,369	21.1	41,290	70.5	3,827	1,072
45 years and over.....	38,639	4,899	12.5	28,845	74.7	4,290	632	36,439	2,842	7.8	20,571	56.5	12,514	504
Age unknown.....	190	55	28.9	71	37.4	11	2	200	64	32.0	73	36.5	35	7
Native white—Native parentage.....	66,333	25,646	38.7	36,737	55.4	2,947	886	66,565	19,186	28.8	37,059	55.7	9,170	1,090
Native white—Foreign or mixed parentage.....	24,685	11,240	45.5	12,426	50.3	756	245	28,499	10,325	36.2	15,149	53.2	2,633	368
Foreign-born white.....	31,494	10,647	33.8	18,855	59.9	1,670	275	25,529	5,018	19.7	16,108	63.1	4,157	221
Negro.....	2,921	1,002	34.3	1,747	59.8	144	25	3,070	668	21.8	1,783	58.1	568	47
Indian.....	27	17	—	10	—	—	—	40	24	—	15	—	1	—
Chinese.....	1,679	555	33.1	1,089	64.9	24	—	91	15	—	68	—	7	—
Japanese.....	3,372	2,387	70.8	935	27.7	18	12	531	71	13.4	452	85.1	7	—
All other.....	15	7	—	8	—	—	—	3	—	—	1	—	2	—

¹ Total includes persons whose marital condition is unknown.

STATISTICS OF POPULATION.

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TABLE 16.—MARITAL CONDITION, FOR CITIES OF 25,000 OR MORE—Continued.

[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. ¹	Single.		Married.		Wid-owed.	Di-voiced.	Total. ¹	Single.		Married.		Wid-owed.	Di-voiced.
		Num-ber.	Per cent.	Num-ber.	Per cent.				Num-ber.	Per cent.	Num-ber.	Per cent.		
Oakland														
Total.....	61,380	24,891	40.6	32,761	53.4	2,568	678	55,066	15,423	28.0	31,310	56.9	7,464	822
15 to 24 years.....	13,568	12,204	89.9	1,313	9.7	0	0	13,568	9,737	70.3	3,000	28.6	54	84
25 to 44 years.....	29,662	10,128	34.1	18,505	62.4	467	308	25,437	4,631	18.2	18,835	74.0	1,460	501
45 years and over.....	18,097	2,543	14.1	12,029	71.4	2,091	289	15,748	1,050	6.7	8,506	54.0	5,944	237
Age unknown.....	53	16		14		1	1	23	5		9		6	
Native white—Native parentage.....	19,751	7,563	38.3	11,030	55.8	850	287	19,691	5,720	29.0	10,782	54.8	2,786	384
Native white—Foreign or mixed parentage.....	16,228	8,446	52.0	7,193	44.3	304	185	13,381	7,060	52.1	9,630	52.4	1,383	276
Foreign-born white.....	20,132	6,630	33.0	12,104	60.1	1,179	164	15,246	2,302	15.1	9,782	64.2	3,017	133
Negro.....	1,357	617	45.5	650	47.9	72	17	1,168	241	20.6	685	58.9	231	29
Indian.....	6	2		2		2	1	1	3		5		3	
Chinese.....	2,839	929	32.7	1,410	50.0	65	1	325	61	18.8	222	68.3	40	
Japanese.....	1,055	686	65.0	360	34.1	6	2	263	36	13.7	223	84.8	4	
All other.....	12	9		3				1			1			
Pasadena														
Total.....	10,659	3,586	33.6	6,387	59.9	599	55	13,484	4,598	34.1	6,642	49.3	2,101	121
15 to 24 years.....	2,283	2,068	90.6	206	9.0	1	2	2,580	2,062	79.9	493	19.1	13	7
25 to 44 years.....	4,274	1,199	28.1	2,908	68.0	148	16	5,691	1,821	32.0	3,469	61.0	337	61
45 years and over.....	4,053	297	7.3	3,266	80.6	448	37	5,180	708	13.7	2,669	51.5	1,747	52
Age unknown.....	49	22		7		2		33	7		11		4	1
Native white—Native parentage.....	6,426	2,071	32.2	3,903	60.7	398	36	8,304	2,755	33.2	4,105	49.4	1,355	78
Native white—Foreign or mixed parentage.....	1,801	1,740	41.1	995	55.2	55	11	2,586	1,007	41.3	1,201	46.4	291	24
Foreign-born white.....	1,854	458	24.7	1,251	67.5	130	7	2,257	708	31.4	1,139	50.5	391	13
Negro.....	257	69	26.8	170	66.1	14	1	319	65	20.4	183	57.4	63	6
Indian.....								2			2			
Chinese.....	100	72	72.0	28	28.0	1		1	1		12		1	
Japanese.....	221	176	79.6	40	18.1	2		15	2				1	
Sacramento														
Total.....	21,033	10,086	48.0	9,654	45.9	882	305	15,207	4,283	28.2	8,612	56.6	2,013	287
15 to 24 years.....	4,455	3,983	89.4	451	10.1	7	6	4,985	2,715	54.5	1,814	36.2	19	35
25 to 44 years.....	11,016	4,859	44.1	5,694	51.7	213	179	7,177	1,317	18.4	5,268	73.4	413	174
45 years and over.....	5,530	1,232	22.3	3,490	63.3	657	120	3,922	245	6.2	2,018	51.5	1,479	77
Age unknown.....	32	12		10				23	6		12		2	1
Native white—Native parentage.....	8,035	3,079	38.3	3,835	47.7	340	154	6,661	2,061	30.9	3,228	48.6	813	154
Native white—Foreign or mixed parentage.....	5,167	2,572	49.8	2,322	44.9	179	84	5,091	1,678	33.0	2,866	56.3	461	82
Foreign-born white.....	5,683	2,535	44.6	2,642	46.5	330	62	3,044	446	14.7	1,889	62.1	707	49
Negro.....	232	117	50.4	101	43.5	9	3	174	49	28.2	95	54.6	28	2
Indian.....	3	3						3						
Chinese.....	924	406	43.9	501	54.2	5	1	47	7		39		1	
Japanese.....	1,085	773	71.2	251	23.1	9	1	189	42	22.2	144	76.2	3	
All other.....	4	1		2		1		1			1			
San Diego														
Total.....	16,700	6,716	40.2	8,512	51.0	985	224	14,901	4,200	28.2	8,317	55.8	2,158	202
15 to 24 years.....	3,335	2,984	89.5	328	9.8	3	6	3,389	2,406	71.0	928	27.4	26	22
25 to 44 years.....	6,746	2,511	37.2	3,953	58.6	153	114	6,171	1,278	20.7	4,372	70.8	412	106
45 years and over.....	6,333	1,184	18.7	4,206	66.4	825	103	5,268	478	9.1	2,991	56.9	1,715	74
Age unknown.....	286	37		25	8.7	4	1	83	38		26		5	
Native white—Native parentage.....	8,951	3,452	38.6	4,627	51.7	550	124	8,639	2,469	28.6	4,722	54.7	1,297	132
Native white—Foreign or mixed parentage.....	2,969	1,368	46.1	1,442	48.6	118	37	3,115	1,104	35.4	1,678	53.9	301	31
Foreign-born white.....	4,091	1,998	48.8	2,106	51.6	292	50	2,870	561	19.5	1,766	61.5	507	32
Negro.....	258	103	39.9	111	43.0	20	12	249	59	23.7	183	53.4	51	6
Indian.....	2	1						4	2		2		2	
Chinese.....	324	90	27.8	198	61.1	2	1	10	5		5			
Japanese.....	134	104	77.6	27	20.1	2		14			13			1
All other.....	1					1		1						
San Francisco														
Total.....	197,134	96,430	48.9	81,243	41.2	7,451	2,532	140,870	44,858	31.8	74,790	53.1	18,260	2,694
15 to 24 years.....	42,941	38,374	89.4	3,204	7.5	42	43	36,013	26,025	72.3	9,524	26.4	160	227
25 to 44 years.....	102,101	46,451	45.5	48,031	47.0	1,698	1,490	68,341	15,633	22.9	46,794	68.5	4,053	1,787
45 years and over.....	48,613	10,991	22.6	29,877	61.5	5,688	1,019	36,057	3,048	8.5	18,314	50.8	13,997	670
Age unknown.....	3,479	614	17.6	131	3.8	23	5	459	152	33.1	158	34.4	50	10
Native white—Native parentage.....	48,504	25,365	52.3	17,909	36.9	1,466	936	34,952	12,520	35.8	17,279	49.4	3,991	1,038
Native white—Foreign or mixed parentage.....	56,610	32,040	56.6	22,174	39.2	1,467	809	55,959	23,038	41.2	27,503	49.1	4,299	1,041
Foreign-born white.....	78,873	32,862	41.7	35,844	45.4	4,315	762	47,880	8,787	18.3	28,068	59.9	9,793	591
Negro.....	911	626	68.8	308	33.8	55	13	604	152	25.2	254	42.0	76	22
Indian.....	23	15		7		1		14	5		7		1	
Chinese.....	8,023	3,329	41.5	3,988	49.7	110	1	928	242	26.1	601	64.8	81	
Japanese.....	3,482	2,247	64.5	964	27.7	25	11	332	134	40.3	478	75.6	18	2
All other.....	108	46		49		12		1					1	
San Jose														
Total.....	11,180	4,328	38.7	6,122	54.8	579	105	11,331	3,491	30.8	5,965	52.6	1,705	157
15 to 24 years.....	2,416	2,131	88.2	272	11.3	5	1	2,844	2,064	72.6	748	26.3	15	14
25 to 44 years.....	4,890	1,620	33.1	3,099	63.4	104	56	4,790	1,102	23.0	3,287	68.6	304	93
45 years and over.....	3,848	575	14.9	2,745	71.3	469	48	3,682	320	8.7	1,926	52.3	1,381	49
Age unknown.....	26	2		6		1		15	5		4		5	1
Native white—Native parentage.....	4,528	1,753	38.7	2,440	53.9	257	50	5,200	1,676	32.2	2,636	50.7	786	98
Native white—Foreign or mixed parentage.....	2,026	1,371	67.7	1,417	70.0	98	38	3,494	1,427	40.8	1,711	49.0	313	38
Foreign-born white.....	3,099	911	29.4	1,955	63.1	211	16	2,466	357	14.5	1,495	60.6	592	18
Negro.....	60	21		42		6	1	82	16		49		14	3
Indian.....	1	1						1						
Chinese.....	312	123	39.4	171	54.8	8		23	6		17			
Japanese.....	242	146	60.3	96	39.7			65	9		56			
All other.....	8	2		1										

¹ Total includes persons whose marital condition is unknown.

TABLE 17.—INDIAN, CHINESE, AND JAPANESE POPULATION, BY COUNTIES.

COUNTY.	INDIAN.			CHINESE.			JAPANESE.		
	1910	1900	1890	1910	1900	1890	1910	1900	1890
The state.....	16,371	15,377	16,624	38,248	45,753	72,472	41,356	10,151	1,147
Alameda.....	41	71	25	4,588	2,211	3,311	3,266	1,149	184
Alpine.....	94	142	224	1	5	5	1		3
Amador.....	143	130	58	101	153	324	2		3
Butte.....	298	201	319	572	712	1,530	295	305	3
Calaveras.....	161	100	77	40	148	326	3	4	3
Colusa.....	169	121	277	218	274	924	140	53	5
Contra Costa.....	3	8	3	550	627	465	1,009	276	11
Del Norte.....	337	269	376	1		7			2
Eldorado.....	177	138	136	58	206	518	31	30	2
Fresno.....	313	520	347	1,377	1,775	2,736	2,233	598	12
Glenn.....	32	24		129	227		33	14	
Humboldt.....	1,052	1,728	1,379	6	5	19	6		1
Imperial.....	682			32			217		
Inyo.....	792	940	850	100	67	89	41		
Kern.....	220	344	337	841	906	1,124	273	48	3
Kings.....	32	51		358	417		293	156	
Lake.....	433	428	556	24	82	210	3	3	
Lassen.....	410	381	335	13	28	41	6	2	
Los Angeles.....	97	69	144	2,602	3,209	4,424	8,461	204	36
Madera.....	419	401		211	229		32	19	
Marin.....	26	25	31	555	489	915	199	52	24
Mariposa.....	192	173	152	69	102	181	3		
Mendocino.....	1,170	1,353	581	263	218	359	77	23	1
Merced.....		4	30	278	357	746	98	43	
Modoc.....	546	503	499	11	6	22	1		
Mono.....	386	389	368	21	120	146	14	1	
Monterey.....	29	26	58	575	857	1,607	1,121	710	1
Napa.....	6	13	15	205	541	875	103	6	6
Nevada.....	52	48	159	309	632	1,053	22	15	5
Orange.....	21		5	83	136		641	3	
Placer.....	102	74	73	612	1,050	1,429	862	133	6
Plumas.....	380	444	374	105	192	307	20		
Riverside.....	1,590	809		187	316		765	97	
Sacramento.....	62	24	40	2,143	3,254	4,371	3,874	1,209	51
San Benito.....		36	41	66	69	85	286	15	
San Bernardino.....	573	572	399	284	388	632	946	148	2
San Diego.....	1,516	2,197	478	430	414	909	520	25	13
San Francisco.....	46	15	31	10,582	13,954	25,833	4,518	1,781	560
San Joaquin.....	8	1	2	1,968	1,875	1,676	1,304	313	10
San Luis Obispo.....	14	1	47	165	154	386	434	16	2
San Mateo.....	1	1	8	309	306	448	358	46	9
Santa Barbara.....	45	72	73	440	459	581	863	114	5
Santa Clara.....	16	9	19	1,064	1,738	2,723	2,299	234	27
Santa Cruz.....	15	67	10	194	614	785	689	235	19
Shasta.....	756	882	693	88	102	342	42	20	2
Sierra.....	54	31	10	117	309	488	17	1	
Siskiyou.....	1,109	480	710	226	790	1,151	24	8	
Solano.....	1	2	11	811	903	1,522	894	870	26
Sonoma.....	340	316	297	287	599	1,145	554	148	74
Stanislaus.....	30	25	12	161	236	421	113	5	
Sutter.....	18	20	1	79	226	327	134	155	
Tehama.....	94	99	101	309	729	892	98	143	
Trinity.....	227	234	193	163	336	554		1	
Tulare.....	204	175	173	257	370	954	615	48	2
Tuolumne.....	186	149	213	75	158	253	6	2	
Ventura.....	3	5	91	235	408	451	872	94	1
Yolo.....	82	28	41	198	346	604	789	410	5
Yuba.....	18	24	27	493	719	974	336	56	1

¹Includes 5,107 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.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa. ¹	Contra Costa.	Del Norte. ¹
POPULATION									
Total population, 1910.....	2,377,649	246,131	309	9,086	27,301	9,171	7,732	31,674	2,417
1900.....	1,488,053	130,197	509	11,116	17,117	11,200	7,364	18,046	2,408
1890.....	^a 1,213,898	93,804	667	10,320	17,939	8,882	14,640	13,515	2,592
1880.....	804,694	62,970	539	11,884	18,721	9,094	13,113	12,525	2,584
1870.....	^b 600,247	24,237	685	9,582	11,403	8,895	6,165	8,461	2,022
Increase, 1900-1910.....	892,496	115,934	-200	-2,030	10,184	-2,029	368	13,628	9
Per cent of increase.....	60.1	89.0	-39.3	-18.3	59.5	-18.1	5.0	75.5	0.4
Increase, 1890-1900.....	271,655	36,333	-158	796	-822	2,318	-7,276	4,531	-184
Per cent of increase.....	22.4	38.7	-23.7	7.7	-4.6	26.1	-49.7	33.5	-7.1
Land area (square miles).....	155,652	732	776	601	1,722	1,027	1,140	714	1,024
Population per square mile, 1910.....	15.2	336.2	0.4	15.1	15.9	8.9	6.8	44.4	2.4
Rural population per square mile, 1910.....	5.8	31.8	0.4	15.1	11.4	8.9	6.8	34.8	2.4
URBAN AND RURAL TERRITORY.									
Urban, 1910—Places of 2,500 or more in 1910.....	1,460,739	222,821			7,609			6,802	
Same places in 1900.....	810,193	101,872			2,640				
Per cent of increase, 1900-1910.....	81.4	118.7			188.2				
Rural, 1910—Remainder of county in 1910.....	907,810	23,310	309	9,086	19,692	9,171	7,732	24,872	2,417
Same territory in 1900.....	674,860	28,325	509	11,116	14,477	11,200	7,364	18,046	2,408
Per cent of increase, 1900-1910.....	34.5	-17.7	-39.3	-18.3	36.0	-18.1	5.0	37.8	0.4
Urban, 1900—Places of 2,500 or more in 1900.....	777,690	96,638			2,640				
Rural, 1900—Remainder of county in 1900.....	707,354	33,559	509	11,116	14,477	11,200	7,364	18,046	2,408
Per cent in places of 2,500 or more, 1910.....	61.8	90.5			27.9			21.5	
Per cent in places of 2,500 or more, 1900.....	62.4	74.2			15.4				
COLOR AND NATIVITY									
White.....	2,259,672	234,520	213	8,838	25,684	8,941	7,155	20,011	2,078
Number in 1900.....	1,402,727	125,432	359	10,805	15,735	10,879	6,840	17,038	2,138
Number in 1890.....	^c 1,111,833	89,569	436	9,909	15,364	8,399	13,295	12,932	2,202
Negro.....	21,045	3,634		2	122	17	50	67	1
Number in 1900.....	11,046	1,384		28	106	69	76	47	1
Number in 1890.....	11,322	735		26	223	77	139	64	5
Black.....	13,787	1,753			95	16	7	40	1
Mulatto.....	7,858	1,881		2	27	1	43	27	
Indian, Chinese, Japanese, and all other (see Tables 1 and 17).....	96,232	7,977	96	246	1,495	213	527	1,696	338
Native white—Native parentage.....	1,106,533	91,970	93	3,554	17,587	4,271	4,887	9,973	1,220
Number in 1900.....	644,423	44,258	166	4,549	10,513	5,204	4,705	5,294	1,233
Native white—Foreign or mixed parentage.....	635,889	32,917	78	2,800	4,940	2,897	1,447	10,345	500
Number in 1900.....	441,794	47,997	124	3,684	3,363	1,743	1,408	6,750	530
Native white—Foreign parentage.....	403,364	54,381	47	1,802	2,529	1,743	839	7,029	232
Native white—Mixed parentage.....	232,525	23,536	31	908	2,417	1,114	608	3,316	238
Foreign-born white.....	517,250	59,624	42	2,484	3,151	1,813	821	9,593	338
Number in 1900.....	316,505	33,179	79	2,672	1,832	2,277	727	5,118	325
PER CENT OF TOTAL POPULATION.									
Native white—Native parentage.....	46.5	37.4	30.1	39.1	64.4	46.6	63.2	31.5	50.5
Per cent in 1900.....	43.4	34.0	30.6	40.9	61.4	46.5	63.9	29.0	51.2
Native white—Foreign or mixed parentage.....	26.7	33.7	25.2	30.8	15.1	31.2	18.7	32.7	20.7
Per cent in 1900.....	29.7	36.9	24.4	33.1	19.3	30.0	19.1	37.3	24.1
Foreign-born white.....	21.8	24.2	13.6	27.3	11.5	19.8	10.6	30.3	14.8
Per cent in 1900.....	21.8	25.5	15.5	23.1	10.7	19.3	9.9	28.4	13.5
FOREIGN NATIONALITIES									
FOREIGN-BORN WHITE: Born in—									
Atlantic Islands.....	2,860	231				1	1	10	
Australia.....	3,296	594		5	14	4	2	40	2
Austria.....	17,163	1,701		544	47	280	12	262	11
Canada—French.....	3,109	307	2	16	46	21	11	18	1
Canada—Other.....	41,445	4,662	2	49	322	65	75	396	22
Denmark.....	14,203	2,621	1	11	85	42	22	211	14
England.....	48,687	5,982	1	388	373	142	45	538	22
Finland.....	6,156	725		3	18	3	4	55	3
France.....	17,390	2,021	1	26	51	59	10	177	2
Germany.....	70,305	9,012	20	120	512	179	265	825	42
Greece.....	7,913	869		16	361		44	227	1
Hungary.....	3,301	330			22			40	
Ireland.....	52,475	6,009	1	87	230	87	89	928	86
Italy.....	63,601	5,308	5	983	252	634	51	2,828	35
Mexico.....	33,444	496		6	63	58	23	408	2
Norway.....	9,952	1,428	1	5	53	14	12	110	2
Portugal.....	22,427	7,619	1	35	211	12	25	1,517	21
Russia.....	16,607	1,126		5	45	7	7	80	14
Scotland.....	13,694	2,035		20	101	31	32	151	7
Spain.....	4,218	184	1	32	49	15	7	35	1
Sweden.....	26,210	3,575		16	127	20	40	356	26
Switzerland.....	14,520	993	5	65	57	53	14	147	90
Turkey.....	4,521	154		4	8	4	3	8	
Other foreign countries.....	13,783	1,637	1	48	104	78	27	215	4
NATIVE WHITE: Both parents born in—									
Austria.....	5,576	509		152	11	99	8	98	3
Canada—French.....	1,755	199		9	16	12	6	9	2
Canada—Other.....	11,921	1,424		12	84	23	43	113	17
Denmark.....	8,244	1,763	1	5	41	32	12	144	1
England.....	26,086	3,310		289	263	123	42	315	12
France.....	8,336	1,155		23	28	39	7	82	
Germany.....	85,362	10,182	28	149	659	254	353	825	57
Ireland.....	69,988	7,918	3	192	423	185	107	1,002	46
Italy.....	32,651	3,150		690	62	502	13	1,584	4
Norway.....	4,666	833			24	4	4	46	3
Russia.....	8,948	644			19	5		28	4
Scotland.....	7,443	1,182	1	14	69	18	27	97	
Sweden.....	14,797	2,163			40	5	40	185	3
Switzerland.....	8,861	584	5	53	27	53	4	91	36
All others of foreign parentage.....	108,222	19,378	9	196	704	392	173	2,410	74

¹ For changes in boundaries, etc., see page 617.

² State total includes population (5,268) of Indian reservations, etc., specially enumerated in 1890, not distributed by counties.

³ State total includes population (1,686) of Klamath County, annexed to Humboldt and Siskiyou Counties in 1874.

STATISTICS OF POPULATION.

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POPULATION FOR THE STATE AND FOR COUNTIES.

A minus sign (—) denotes decrease.]

SUBJECT.	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa. ¹	Contra Costa.	Del Norte. ¹
SEX									
Total... Male.....	1,322,978	127,142	175	5,357	16,059	5,452	4,662	19,482	1,401
..... Female.....	1,054,571	118,989	184	3,729	11,242	3,719	3,070	12,192	1,016
White... Male.....	1,232,900	118,600	123	5,204	14,698	5,318	4,195	17,819	1,240
..... Female.....	1,026,682	115,860	90	3,634	10,936	3,623	2,960	12,092	833
Negro... Male.....	11,303	1,896	.....	1	60	8	31	39	.....
..... Female.....	10,342	1,738	.....	1	56	9	19	28	1
MALES OF VOTING AGE									
Total number.....	920,397	85,924	115	3,668	11,214	3,624	3,214	13,575	922
Number in 1900.....	544,087	41,191	211	4,244	6,593	4,652	2,763	7,123	819
Native white—Native parentage.....	367,783	27,222	32	1,046	5,906	1,274	1,703	3,447	404
Number in 1900.....	201,584	18,198	59	1,423	3,280	1,685	1,404	1,624	358
Native white—Foreign or mixed parentage.....	181,059	20,546	21	849	1,927	1,004	557	2,495	163
Number in 1900.....	107,667	9,180	40	971	1,101	1,124	480	1,416	149
Native white—Foreign parentage.....	121,043	14,494	14	570	1,112	669	360	1,763	95
Native white—Mixed parentage.....	60,016	6,052	7	279	815	335	197	732	68
Foreign-born white.....	297,365	31,249	29	1,668	2,104	1,251	564	6,127	262
Number in 1900.....	180,804	16,618	64	1,693	1,211	1,649	473	3,281	240
Negro.....	8,143	1,413	1	48	6	6	21	27	.....
Number in 1900.....	3,711	447	3	10	37	26	21	17	1
Indian, Chinese, Japanese, and all other.....	66,047	5,504	33	104	1,109	89	369	1,479	93
PER CENT OF TOTAL.									
Native white—Native parentage.....	40.0	31.7	27.8	28.5	53.2	35.2	53.0	25.4	48.8
Native white—Foreign or mixed parentage.....	19.7	23.9	18.3	23.1	17.2	27.7	17.3	18.4	17.7
Foreign-born white.....	32.3	30.4	25.2	46.5	19.3	34.5	17.5	45.1	28.4
CITIZENSHIP OF FOREIGN-BORN WHITE.									
Naturalized.....	137,274	16,600	18	673	1,026	613	320	2,101	170
Having first papers.....	27,708	2,875	.....	143	110	111	35	536	20
Alien.....	99,940	9,971	11	760	745	379	149	3,089	59
Unknown.....	32,443	1,704	.....	92	274	148	51	391	13
ILLITERACY									
ILLITERATE MALES OF VOTING AGE.									
Total number illiterate.....	42,787	3,966	30	321	870	294	177	1,458	72
Per cent illiterate.....	4.6	4.6	26.1	8.8	7.8	8.1	5.5	10.7	7.8
Per cent in 1900.....	6.2	6.7	23.7	8.4	6.3	7.6	6.1	12.5	11.1
Native white, number illiterate.....	3,175	205	.....	9	24	37	13	44	4
Per cent illiterate.....	0.6	0.4	.....	0.5	0.3	1.0	0.6	0.7	0.7
Foreign-born white, number illiterate.....	28,921	3,284	2	269	340	214	56	1,269	12
Per cent illiterate.....	9.7	10.5	.....	15.5	15.7	17.1	9.9	20.7	4.6
Negro, number illiterate.....	566	53	.....	.....	8	1	1	2	.....
Per cent illiterate.....	6.8	3.8	.....	.....	.....	.....	.....	.....	.....
PERSONS 10 YEARS OLD AND OVER.									
Total number.....	2,007,698	207,508	249	7,479	22,943	7,416	6,521	25,659	1,942
Number illiterate.....	74,902	7,381	67	530	1,116	489	264	2,217	151
Per cent illiterate.....	3.7	3.6	26.9	7.1	4.9	6.6	4.0	8.6	7.8
Native white, number.....	1,396,146	138,606	128	4,816	18,349	5,443	5,191	14,593	1,337
Number illiterate.....	7,509	576	1	32	35	62	26	103	5
Per cent illiterate.....	0.5	0.4	0.8	0.7	0.2	1.1	0.5	0.7	0.4
Foreign-born white, number.....	505,312	58,447	42	2,457	3,101	1,785	813	9,363	354
Number illiterate.....	50,292	5,997	2	398	464	330	72	1,942	21
Per cent illiterate.....	10.0	10.3	.....	16.2	15.0	18.5	8.9	20.7	5.9
Negro, number.....	18,099	3,153	.....	2	106	15	44	55	1
Number illiterate.....	1,320	133	.....	.....	15	2	2	3	.....
Per cent illiterate.....	7.1	4.2	.....	.....	14.2	.....	.....	.....	.....
PERSONS 10 TO 20 YEARS, INCLUSIVE.									
Total number.....	415,915	44,263	60	1,046	5,079	1,705	1,456	5,818	480
Number illiterate.....	7,027	403	8	34	104	42	36	180	10
Per cent illiterate.....	1.7	0.9	.....	2.1	2.0	2.5	2.5	3.4	2.1
SCHOOL AGE AND ATTENDANCE									
Total number 6 to 20 years, inclusive.....	555,554	58,629	82	2,256	6,789	2,432	1,924	7,521	678
Number attending school.....	361,077	39,552	38	1,502	4,467	1,707	1,247	4,957	480
Per cent attending school.....	65.0	67.5	.....	66.6	65.8	70.2	64.8	65.9	70.8
Number 6 to 9 years.....	139,639	14,366	22	610	1,710	727	468	2,203	198
Number attending school.....	109,378	11,719	.....	501	1,278	595	323	1,775	147
Number 10 to 14 years.....	173,945	18,203	29	720	2,143	804	603	2,365	211
Number attending school.....	133,142	17,476	25	702	2,007	753	509	2,242	202
Number 15 to 17 years.....	112,010	12,262	17	429	1,386	450	417	1,352	135
Number attending school.....	66,013	7,380	13	252	865	298	274	748	107
Number 18 to 20 years.....	109,960	13,798	14	497	1,550	451	436	1,601	134
Number attending school.....	22,544	2,977	.....	47	317	56	81	162	24
PERSONS 6 TO 14 YEARS, INCLUSIVE.									
Total number.....	313,584	32,569	51	1,330	3,853	1,531	1,071	4,568	406
Number attending school.....	272,520	29,195	25	1,203	3,285	1,353	892	4,017	349
Per cent attending school.....	86.9	89.6	.....	90.5	85.3	88.4	83.3	87.9	85.3
Native white—Native parentage, number.....	175,116	14,448	17	747	3,004	986	600	1,744	234
Number attending school.....	162,985	12,880	9	675	2,576	886	875	1,515	199
Per cent attending school.....	87.4	89.1	.....	90.4	85.8	89.9	84.4	86.9	86.1
Native white—Foreign or mixed parentage, number.....	112,614	15,498	18	487	872	470	220	2,391	99
Number attending school.....	99,184	14,022	13	445	533	416	198	2,139	95
Per cent attending school.....	88.1	90.5	.....	91.4	86.3	88.5	90.0	89.5	.....
Foreign-born white, number.....	17,299	1,805	.....	57	62	35	13	404	7
Number attending school.....	14,245	1,610	.....	53	44	28	11	346	6
Per cent attending school.....	82.3	89.2	.....	.....	.....	.....	.....	85.6	.....
Negro, number.....	2,570	370	.....	.....	20	3	8	11	.....
Number attending school.....	2,281	327	.....	.....	18	3	7	10	.....
Per cent attending school.....	88.4	88.4	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES									
Dwellings, number.....	513,481	53,121	69	2,088	6,241	2,397	1,740	6,627	561
Families, number.....	563,636	59,993	69	2,126	6,397	2,426	1,763	6,795	572

¹Includes 161 whites specially enumerated in 1890, not distributed by counties.

²Native 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.	Eldorado.	Fresno. ¹	Glenn. ¹	Humboldt. ¹	Imperial. ¹	Inyo.	Kern.	Kings. ¹	Lake. ¹	Lassen.
POPULATION										
Total population, 1910.....	7,492	75,657	7,172	33,857	213,591	6,974	37,715	16,280	5,526	4,802
1900.....	8,986	37,862	5,150	27,104	(2)	4,377	16,480	9,871	6,017	4,511
1890.....	9,232	32,026	.....	23,469	.....	3,544	9,808	.....	7,101	4,239
1880.....	10,683	9,478	.....	15,512	.....	2,928	5,601	.....	6,596	3,340
1870.....	10,309	6,336	.....	6,140	.....	1,956	2,925	.....	2,969	1,327
Increase, 1900-1910.....	-1,494	37,795	2,022	6,753	213,591	2,597	21,235	6,359	-491	291
Per cent of increase.....	-16.6	90.8	39.3	24.9	(2)	59.3	128.9	64.4	-8.2	6.5
Increase, 1890-1900.....	-246	5,836	5,150	2,523	.....	833	6,672	9,871	-1,084	272
Per cent of increase.....	-2.7	18.2	.....	10.8	.....	23.5	68.0	.....	-15.3	6.4
Land area (square miles).....	1,753	5,950	1,250	3,634	4,089	10,019	8,003	1,159	1,278	4,531
Population per square mile, 1910.....	4.3	12.7	5.7	9.3	3.3	0.7	4.7	14.0	4.3	1.1
Rural population per square mile, 1910.....	4.3	7.8	5.7	6.1	3.3	0.7	3.1	9.8	4.3	1.1
URBAN AND RURAL TERRITORY.										
Urban, 1910—Places of 2,500 or more in 1910.....	.....	29,091	.....	11,845	(2)	.....	12,727	4,829	.....	.....
Same places in 1900.....	.....	12,470	.....	7,327	(2)	.....	6,127	2,929	.....	.....
Per cent of increase, 1900-1910.....	.....	133.3	.....	61.7	(2)	.....	107.7	64.9	.....	.....
Rural, 1910—Remainder of county in 1910.....	7,492	46,566	7,172	22,012	213,591	6,974	24,988	11,401	5,526	4,802
Same territory in 1900.....	8,986	25,392	5,150	19,777	(4)	4,377	10,363	6,942	6,017	4,511
Per cent of increase, 1900-1910.....	-16.6	83.4	39.3	11.3	(4)	59.3	141.4	64.2	-8.2	6.5
Urban, 1900—Places of 2,500 or more in 1900.....	.....	12,470	.....	7,327	(2)	.....	4,836	2,929	.....	.....
Rural, 1900—Remainder of county in 1900.....	8,986	25,392	5,150	19,777	(2)	4,377	11,644	6,942	6,017	4,511
Per cent in places of 2,500 or more, 1910.....	.....	38.5	.....	35.0	(2)	.....	33.7	29.8	.....	.....
Per cent in places of 2,500 or more, 1900.....	.....	32.9	.....	27.0	(2)	.....	29.3	29.7	.....	.....
COLOR AND NATIVITY										
White.....	7,198	71,215	6,915	32,153	12,582	6,020	36,007	15,366	5,055	4,372
Number in 1900.....	8,618	34,670	4,807	26,359	.....	3,355	14,974	9,171	5,492	4,099
Number in 1890.....	8,395	28,474	.....	22,022	.....	2,595	8,214	.....	6,204	3,367
Negro.....	28	474	15	40	65	21	369	172	11	1
Number in 1900.....	99	389	18	12	.....	15	208	70	12	1
Number in 1890.....	183	457	.....	43	.....	12	130	.....	47	6
Black.....	24	377	12	28	51	10	286	106	10	1
Mulatto.....	4	97	3	12	14	11	83	66	1	.....
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	266	3,968	242	1,664	944	933	1,339	692	460	429
Native white—Native parentage.....	4,053	39,941	4,388	13,297	8,246	3,193	22,233	9,656	3,690	3,023
Number in 1900.....	4,535	20,608	5,013	11,311	.....	1,924	8,375	6,261	3,924	2,916
Native white—Foreign or mixed parentage.....	2,077	15,287	1,575	9,087	1,873	1,376	6,555	2,922	842	323
Number in 1900.....	2,589	7,160	1,184	7,888	.....	871	3,394	1,771	958	746
Native white—Foreign parentage.....	1,190	10,798	886	5,840	1,033	718	3,689	1,774	421	347
Native white—Mixed parentage.....	887	4,489	689	3,847	840	658	2,866	1,148	421	456
Foreign-born white.....	1,068	15,987	952	9,169	2,403	1,451	7,219	2,788	523	546
Number in 1900.....	1,411	6,908	720	6,180	.....	560	2,705	1,139	630	497
PER CENT OF TOTAL POPULATION.										
Native white—Native parentage.....	54.1	52.3	61.2	39.3	60.7	45.8	59.0	59.5	66.8	63.0
Per cent in 1900.....	60.4	54.1	58.5	41.7	.....	44.0	53.9	63.4	65.2	64.0
Native white—Foreign or mixed parentage.....	27.7	20.2	22.0	28.6	13.8	19.7	17.4	18.0	15.2	16.7
Per cent in 1900.....	28.6	18.9	22.0	29.0	.....	19.9	20.6	17.9	15.0	16.5
Foreign-born white.....	14.3	21.1	13.3	27.1	18.1	20.8	19.1	17.2	9.5	11.4
Per cent in 1900.....	15.7	18.2	14.0	22.3	.....	18.8	16.4	11.5	10.6	8.7
FOREIGN NATIONALITIES										
FOREIGN-BORN WHITE: Born in—										
Atlantic Islands.....	2	9	.....	10	.....	.....	16	59	.....	.....
Australia.....	7	45	3	32	5	1	30	9	2	2
Austria.....	10	387	18	434	32	71	367	25	32	3
Canada—French.....	9	60	41	65	8	12	26	4	2	7
Canada—Other.....	65	784	97	1,640	201	143	510	162	84	42
Denmark.....	27	1,421	32	429	23	14	118	24	10	25
England.....	139	979	63	376	106	158	598	193	67	35
Finland.....	2	117	7	346	4	9	46	1	6	2
France.....	18	444	28	103	40	47	539	25	14	43
Germany.....	215	1,102	306	791	151	168	737	127	102	76
Greece.....	6	134	35	36	22	55	335	16	.....	05
Hungary.....	1	49	14	30	35	4	27	2	.....	1
Ireland.....	76	400	85	668	62	132	540	95	28	34
Italy.....	170	1,463	18	1,083	34	78	572	222	39	26
Mexico.....	9	615	29	6	1,461	296	1,492	273	2	1
Norway.....	8	136	31	562	8	18	60	28	4	15
Portugal.....	23	531	22	334	7	5	122	1,157	2	13
Russia.....	6	2,826	12	74	15	8	250	11	2	2
Scotland.....	35	311	25	111	31	45	154	32	32	9
Spain.....	5	132	12	13	7	50	180	13	1	35
Sweden.....	17	1,238	34	790	49	44	174	66	53	30
Switzerland.....	153	219	20	576	49	29	155	79	15	61
Turkey.....	10	2,257	.....	8	4	4	19	18	1	.....
Other foreign countries.....	50	228	20	152	59	60	152	142	25	19
NATIVE WHITE: Both parents born in—										
Austria.....	.....	148	15	83	43	4	40	5	31	1
Canada—French.....	2	55	43	33	4	3	22	3	.....	4
Canada—Other.....	21	276	24	379	43	48	138	62	23	6
Denmark.....	21	1,072	15	278	11	2	38	16	5	18
England.....	132	473	43	171	61	71	235	93	43	21
France.....	12	160	13	48	22	13	303	11	2	6
Germany.....	346	1,113	340	775	200	194	688	225	93	89
Ireland.....	149	602	120	577	94	156	615	124	42	34
Italy.....	52	638	1	211	4	13	192	69	13	2
Norway.....	9	113	55	249	19	11	20	3	6	3
Russia.....	1	1,546	4	9	2	.....	165	1	1	.....
Scotland.....	20	151	15	79	26	24	109	26	7	5
Sweden.....	12	1,334	14	408	39	10	76	49	46	21
Switzerland.....	115	85	6	364	13	3	45	45	13	37
All others of foreign parentage.....	288	3,027	178	1,076	447	166	994	1,042	96	103

¹ For changes in boundaries, etc., see page 617. * For combined figures for Imperial and San Diego Counties, see Note 1 on page 617. ² See Note 2 on page 617. ³ Comparable figures not available; for combined figures, see Note 1 on page 617.

STATISTICS OF POPULATION.

POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Eldorado.	Fresno. ¹	Glenn. ¹	Humboldt. ¹	Imperial. ¹	Inyo.	Kern.	Kings. ¹	Lake. ¹	Lassen.
SEX										
Total... Male.....	4,389	42,958	4,427	19,654	8,900	4,790	25,413	9,220	2,944	2,842
Female.....	3,103	32,699	2,745	14,203	4,691	2,184	12,302	7,010	2,582	1,980
White... Male.....	4,203	39,880	4,194	18,792	8,241	4,256	24,117	8,523	2,685	2,614
Female.....	2,995	31,885	2,721	13,361	4,341	1,704	11,890	6,843	2,370	1,758
Negro... Male.....	22	228	9	14	46	13	185	89	6	.....
Female.....	6	246	6	26	19	8	184	83	5	1
MALES OF VOTING AGE										
Total number.....	3,146	27,887	3,141	12,989	6,290	3,674	19,552	5,765	1,873	1,887
Number in 1900.....	3,673	14,709	2,088	9,169	.....	1,803	7,494	3,556	2,021	1,702
Native white—Native parentage.....	1,374	13,459	1,673	4,257	3,383	1,494	10,193	2,956	1,157	1,046
Number in 1900.....	1,691	6,658	1,021	3,453	.....	780	3,384	1,312	1,132	974
Native white—Foreign or mixed parentage.....	883	3,121	610	2,316	772	659	2,705	632	246	299
Number in 1900.....	916	1,711	307	1,410	.....	373	1,197	467	249	258
Native white—Mixed parentage.....	582	1,992	385	1,395	462	403	1,664	357	130	147
Native white—Foreign parentage.....	301	1,129	225	921	310	256	1,131	275	116	152
Foreign-born white.....	751	8,298	650	5,900	1,623	1,153	5,520	1,566	310	404
Number in 1900.....	937	4,070	480	3,353	.....	393	1,396	744	373	319
Negro.....	19	148	9	10	46	10	132	53	4	.....
Number in 1900.....	43	112	11	0	.....	5	73	27	6	1
Indian, Chinese, Japanese, and all other.....	119	2,861	199	446	466	358	912	558	156	138
PER CENT OF TOTAL.										
Native white—Native parentage.....	43.7	48.3	53.3	32.8	53.8	40.7	52.1	51.3	61.8	55.4
Native white—Foreign or mixed parentage.....	28.1	11.2	19.4	17.8	12.3	17.9	14.3	11.0	13.1	15.8
Foreign-born white.....	23.9	29.8	20.7	45.9	25.8	31.4	28.2	27.2	16.6	21.4
CITIZENSHIP OF FOREIGN-BORN WHITE.										
Naturalized.....	432	3,543	351	2,694	359	504	1,460	485	211	188
Having first papers.....	35	823	33	689	123	93	317	85	19	42
Alien.....	128	3,015	131	2,209	996	447	2,345	865	24	134
Unknown.....	166	917	135	368	145	109	1,398	131	56	40
ILLITERACY										
ILLITERATE MALES OF VOTING AGE.										
Total number illiterate.....	116	1,363	145	671	332	407	1,149	737	113	108
Per cent illiterate.....	3.7	4.9	4.6	5.2	13.2	11.1	5.9	12.8	6.0	5.7
Per cent in 1900.....	6.5	7.6	6.2	8.4	.....	17.6	7.6	16.1	9.3	11.0
Native white, number illiterate.....	13	63	24	28	36	10	91	67	13	5
Per cent illiterate.....	0.6	0.4	1.1	0.4	0.9	0.5	0.7	1.9	0.9	0.4
Foreign-born white, number illiterate.....	67	919	60	373	599	180	810	490	11	21
Per cent illiterate.....	8.9	11.1	9.2	6.3	36.9	15.6	14.7	31.3	3.5	5.2
Negro, number illiterate.....	3	14	2	1	5	3	8	5	1	.....
Per cent illiterate.....	.....	9.5	.....	.....	.....	.....	6.1	.....	.....	.....
PERSONS 10 YEARS OLD AND OVER.										
Total number.....	6,383	60,358	6,072	27,806	11,343	6,010	32,185	12,977	4,480	3,566
Number illiterate.....	187	2,632	184	1,218	1,331	692	1,551	1,195	242	230
Per cent illiterate.....	2.9	4.7	3.0	4.4	11.7	11.5	4.8	9.2	5.4	5.9
Native white, number.....	5,085	41,207	4,883	17,478	8,118	3,781	23,585	9,517	3,587	2,981
Number illiterate.....	22	132	34	51	84	17	189	139	17	8
Per cent illiterate.....	0.4	0.3	.....	0.3	1.0	0.4	0.8	1.5	0.5	0.3
Foreign-born white, number.....	1,059	15,150	936	9,081	2,357	1,440	7,091	2,667	519	544
Number illiterate.....	99	2,057	73	535	851	228	995	837	23	28
Per cent illiterate.....	9.1	13.6	7.8	5.9	36.1	15.8	14.0	31.4	4.4	5.1
Negro, number.....	28	390	14	34	63	18	311	134	10	1
Number illiterate.....	3	37	2	4	6	4	24	12	1	.....
Per cent illiterate.....	.....	9.5	.....	.....	.....	.....	7.7	9.0	.....	.....
PERSONS 10 TO 20 YEARS, INCLUSIVE.										
Total number.....	1,269	14,170	1,356	6,586	2,412	1,051	5,372	3,327	1,074	923
Number illiterate.....	12	258	17	110	216	71	163	116	22	38
Per cent illiterate.....	0.9	1.8	1.3	1.7	9.0	6.8	3.0	3.5	2.0	4.1
SCHOOL AGE AND ATTENDANCE										
Total number 6 to 20 years, inclusive.....	1,701	19,732	1,775	8,883	3,194	1,417	7,375	4,498	1,498	1,280
Number attending school.....	1,126	12,260	1,210	5,883	1,945	831	4,339	2,900	1,029	872
Per cent attending school.....	66.2	62.1	68.2	66.2	57.8	58.6	58.8	64.5	68.7	68.1
Number 6 to 9 years.....	432	5,562	419	2,297	782	366	2,008	1,171	424	357
Number attending school.....	327	3,721	320	1,779	597	252	1,511	884	301	269
Number 10 to 14 years.....	571	6,205	601	2,875	831	410	2,129	1,369	508	394
Number attending school.....	535	5,322	563	2,703	763	371	1,994	1,298	464	369
Number 15 to 17 years.....	338	3,705	357	1,680	501	238	1,216	890	311	245
Number attending school.....	208	2,141	256	1,048	364	154	682	557	219	155
Number 18 to 20 years.....	360	4,260	398	2,091	990	403	2,027	1,068	255	284
Number attending school.....	56	566	71	353	121	54	182	161	45	79
PERSONS 6 TO 14 YEARS, INCLUSIVE.										
Total number.....	1,003	11,767	1,020	5,172	1,613	776	4,132	2,540	932	751
Number attending school.....	862	9,543	883	4,482	1,360	623	3,475	2,182	765	638
Per cent attending school.....	85.9	81.1	86.6	86.7	84.3	80.3	84.1	85.9	82.1	85.0
Native white—Native parentage, number.....	741	6,434	722	2,381	1,164	455	2,923	1,658	671	543
Number attending school.....	643	5,275	632	2,069	1,022	397	2,516	1,431	580	475
Per cent attending school.....	86.8	82.0	87.5	88.2	87.8	87.3	86.1	86.3	86.4	87.5
Native white—Foreign or mixed parentage, number.....	209	3,860	267	2,234	235	189	936	677	174	130
Number attending school.....	189	3,104	231	2,017	196	165	782	690	142	119
Per cent attending school.....	90.4	80.4	86.5	90.3	83.4	87.3	83.5	87.1	81.6	91.5
Foreign-born white, number.....	11	1,205	25	214	115	4	140	150	7	4
Number attending school.....	7	982	17	191	70	1	97	112	7	4
Per cent attending school.....	.....	81.5	.....	89.3	60.9	.....	69.3	74.7	.....	.....
Negro, number.....	2	88	1	6	2	2	45	40	1	.....
Number attending school.....	2	65	.....	6	1	1	41	39	.....	.....
Per cent attending school.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES										
Dwellings, number.....	2,127	16,799	1,502	7,773	3,755	1,704	7,387	3,736	1,504	1,174
Families, number.....	2,175	17,571	1,530	7,968	3,831	1,797	7,819	3,807	1,533	1,184

¹ 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.	Los Angeles. ¹	Madera. ¹	Marin.	Mariposa.	Mendo- cino.	Merced.	Modoc. ¹	Mono.	Mon- terey. ¹	Napa. ¹
POPULATION										
Total population, 1910.....	504,131	8,368	25,114	3,956	23,929	15,148	6,191	2,042	24,146	19,800
1900.....	170,298	6,304	15,702	4,720	20,405	9,215	5,076	2,167	19,380	16,451
1890.....	101,454	.....	13,072	3,787	17,012	8,085	4,086	2,002	18,037	16,411
1880.....	33,381	.....	11,324	4,339	12,800	5,656	4,399	7,499	11,302	13,285
1870.....	15,309	.....	6,903	4,572	7,545	2,807	.....	430	9,376	7,163
Increase, 1900-1910.....	333,833	2,064	9,412	-764	3,464	5,933	1,115	-125	4,766	3,349
Per cent of increase.....	196.0	31.5	59.9	-16.2	16.9	64.4	22.0	-5.8	24.6	20.4
Increase, 1890-1900.....	68,844	6,364	2,630	933	2,254	1,130	90	165	743	40
Per cent of increase.....	67.9	.....	20.1	24.6	12.8	14.0	1.8	8.2	4.0	0.2
Land area (square miles).....	4,067	2,112	529	1,463	3,453	1,995	8,323	3,080	3,330	783
Population per square mile, 1910.....	124.0	4.0	47.5	2.7	6.9	7.6	1.0	0.7	7.3	25.3
Rural population per square mile, 1910.....	22.7	4.0	31.4	.....	6.9	6.0	1.6	0.7	4.7	17.9
URBAN AND RURAL TERRITORY.										
Urban, 1910—Places of 2,500 or more in 1910.....	411,948	.....	8,485	.....	.....	3,102	.....	.....	8,659	5,791
Same places in 1900.....	128,869	.....	3,879	.....	.....	1,969	.....	.....	5,052	4,036
Per cent of increase, 1900-1910.....	219.7	.....	118.7	.....	.....	57.5	.....	.....	71.4	43.5
Rural, 1910—Remainder of county in 1910.....	92,183	8,368	16,629	3,956	23,929	12,046	6,191	2,042	15,487	14,009
Same territory in 1900.....	41,429	6,364	11,823	4,720	20,405	7,246	5,076	2,167	14,328	12,416
Per cent of increase, 1900-1910.....	122.5	31.5	40.6	-16.2	16.9	66.2	22.0	-5.8	8.1	12.8
Urban, 1900—Places of 2,500 or more in 1900.....	120,179	.....	3,879	.....	.....	.....	.....	.....	3,304	4,036
Rural, 1900—Remainder of county in 1900.....	50,119	6,364	11,823	4,720	20,405	9,215	5,076	2,167	16,076	12,416
Per cent in places of 2,500 or more, 1910.....	81.7	.....	33.8	.....	.....	20.5	.....	.....	35.2	25.2
Per cent in places of 2,500 or more, 1900.....	70.6	.....	24.7	.....	.....	.....	.....	.....	17.0	24.5
COLOR AND NATIVITY										
White.....	483,478	7,650	24,186	3,674	22,310	14,697	5,620	1,621	22,185	19,437
Number in 1900.....	165,975	5,664	14,909	4,410	18,833	8,780	4,500	1,650	17,707	16,867
Number in 1890.....	85,033	.....	11,938	3,385	10,680	7,202	4,453	1,485	16,321	16,426
Negro.....	9,424	56	145	18	31	75	4	.....	107	48
Number in 1900.....	2,841	51	137	35	38	31	7	.....	80	29
Number in 1890.....	1,817	.....	164	69	35	47	12	.....	90	39
Black.....	6,462	50	100	.....	20	50	3	.....	74	36
Mulatto.....	2,962	6	45	.....	11	25	1	.....	33	12
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	11,229	662	783	264	1,588	376	558	421	1,904	316
Native white—Native parentage.....	285,865	4,172	8,560	1,989	11,523	6,531	4,451	723	11,064	8,870
Number in 1900.....	96,582	3,190	4,388	2,221	10,659	4,682	3,541	624	8,445	7,252
Native white—Foreign or mixed parentage.....	109,177	1,538	8,530	977	4,845	4,102	789	403	6,420	5,275
Number in 1900.....	39,748	1,368	5,765	319	4,186	2,822	726	560	5,705	4,453
Native white—Foreign parentage.....	64,307	825	5,420	536	3,113	2,324	323	229	3,734	3,341
Native white—Mixed parentage.....	44,870	713	3,160	441	1,732	1,778	463	174	2,686	1,934
Foreign-born white.....	88,436	1,940	7,046	708	5,942	4,064	392	495	4,051	5,283
Number in 1900.....	27,645	1,116	4,866	800	4,008	1,816	233	472	3,467	4,166
PER CENT OF TOTAL POPULATION.										
Native white—Native parentage.....	56.7	49.9	34.1	50.3	48.2	43.1	71.9	35.4	48.3	44.8
Per cent in 1900.....	56.7	50.1	27.9	48.5	58.0	50.8	69.8	28.8	43.0	44.0
Native white—Foreign or mixed parentage.....	21.7	18.4	34.2	24.7	20.2	27.1	12.7	19.7	26.0	26.6
Per cent in 1900.....	25.3	21.5	36.7	27.9	20.5	24.8	14.5	25.8	29.0	27.1
Foreign-born white.....	17.5	23.2	28.1	17.9	24.8	26.8	6.3	24.2	16.8	26.7
Per cent in 1900.....	16.2	17.5	30.9	16.9	19.6	19.7	6.8	21.8	17.9	25.3
FOREIGN NATIONALITIES										
FOREIGN-BORN WHITE: Born in—										
Atlantic Islands.....	32	1	182	21	17	301	.....	.....	19	3
Australia.....	283	6	78	7	24	2	.....	1	18	40
Austria.....	2,980	64	135	35	209	12	3	28	130	103
Canada—French.....	806	6	34	4	31	8	9	10	21	30
Canada—Other.....	11,908	104	367	52	403	119	48	112	261	308
Denmark.....	1,561	27	151	20	150	176	15	10	416	90
England.....	11,881	108	628	98	239	153	52	48	389	430
Finland.....	306	10	36	1	1,222	4	.....	1	7	54
France.....	2,682	40	256	43	94	94	24	70	126	179
Germany.....	13,563	117	846	72	500	258	73	29	542	1,078
Greece.....	491	22	50	21	110	82	35	3	21	43
Hungary.....	929	.....	29	1	6	1	4	.....	18	9
Ireland.....	5,542	96	726	51	332	165	46	32	338	723
Italy.....	4,565	518	1,287	110	1,414	1,101	11	68	301	1,017
Mexico.....	11,793	412	147	62	30	355	.....	5	66	23
Norway.....	1,398	25	66	6	163	33	16	2	40	68
Portugal.....	206	53	819	8	254	593	1	1	366	223
Russia.....	5,193	11	60	7	69	11	.....	1	28	50
Scotland.....	2,454	99	165	16	96	31	17	7	136	112
Spain.....	593	35	17	10	12	38	1	16	32	10
Sweden.....	4,663	66	212	24	362	311	18	10	313	153
Switzerland.....	1,274	43	678	15	147	167	13	36	381	440
Turkey.....	539	20	11	.....	6	4	3	.....	5	8
Other foreign countries.....	2,751	52	166	24	52	45	3	5	77	84
NATIVE WHITE: Both parents born in—										
Austria.....	937	7	56	1	21	3	8	5	35	40
Canada—French.....	436	4	16	2	13	8	2	.....	5	25
Canada—Other.....	2,787	28	115	5	126	53	24	41	81	65
Denmark.....	845	13	84	2	106	122	1	1	361	53
England.....	5,753	47	284	72	130	83	32	28	214	189
France.....	1,642	21	151	8	40	85	10	6	76	63
Germany.....	17,324	129	771	59	300	295	76	29	624	718
Ireland.....	6,916	138	1,083	75	233	217	57	47	450	424
Italy.....	2,711	159	503	95	350	387	3	11	64	495
Norway.....	955	7	14	2	62	18	12	.....	18	31
Russia.....	2,624	3	23	1	16	11	.....	1	9	15
Scotland.....	1,436	31	79	9	47	15	7	4	84	50
Sweden.....	2,683	19	125	4	147	369	11	.....	97	41
Switzerland.....	688	6	404	7	82	76	7	.....	414	332
All others of foreign parentage.....	16,565	213	1,712	194	1,390	1,082	73	56	1,202	788

¹ For changes in boundaries, etc., see page 617.

² See Note 2 on page 617.

POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Los Angeles. ¹	Madera. ¹	Marin.	Mariposa.	Mendo-cino.	Merced.	Modoc. ¹	Mono.	Mon-terey. ¹	Napa. ¹
SEX										
Total.. Male.....	258,823	5,349	15,394	2,541	14,540	9,136	3,500	1,420	14,099	11,186
Female.....	245,308	3,019	9,720	1,415	9,389	6,012	2,691	622	10,047	8,664
White.. Male.....	244,511	4,881	14,539	2,385	13,560	8,755	3,207	1,193	12,417	10,830
Female.....	238,907	2,769	9,647	1,289	8,750	5,942	2,422	423	9,718	8,607
Negro.. Male.....	4,565	40	117	9	18	41	3	.....	57	25
Female.....	4,809	16	23	9	13	34	1	.....	50	23
MALES OF VOTING AGE										
Total number.....	179,583	3,689	10,725	1,807	9,913	5,975	2,194	1,115	9,751	8,121
Number in 1900.....	56,867	2,217	6,534	1,983	7,804	3,720	1,618	1,044	6,052	6,583
Native white—Native parentage.....	94,309	1,409	3,331	729	3,853	2,122	1,439	389	3,824	3,171
Number in 1900.....	28,825	1,203	1,286	816	3,608	1,506	1,038	284	2,263	2,529
Native white—Foreign or mixed parentage.....	29,519	540	2,524	452	1,240	939	325	185	1,958	1,432
Number in 1900.....	8,286	445	1,236	440	391	607	245	169	1,316	990
Native white—Foreign parentage.....	18,584	316	1,671	265	812	623	157	122	1,179	933
Native white—Mixed parentage.....	10,935	224	853	187	428	311	168	63	779	499
Foreign-born white.....	44,075	1,421	4,250	531	4,122	2,591	266	417	2,502	3,235
Number in 1900.....	14,064	831	2,917	579	2,809	1,232	195	509	2,119	2,615
Negro.....	3,115	22	99	8	16	28	.....	.....	3	23
Number in 1900.....	842	15	51	12	17	16	.....	.....	20	14
Indian, Chinese, Japanese, and all other.....	8,565	297	521	87	682	295	151	124	1,429	260
PER CENT OF TOTAL.										
Native white—Native parentage.....	52.5	38.2	31.1	40.3	38.9	35.5	65.9	34.9	39.2	39.0
Native white—Foreign or mixed parentage.....	16.4	14.6	23.5	25.0	12.5	15.7	14.9	16.6	20.1	17.6
Foreign-born white.....	24.5	38.5	39.6	29.4	41.6	43.4	12.2	37.4	25.7	39.8
CITIZENSHIP OF FOREIGN-BORN WHITE.										
Naturalized.....	20,571	451	1,778	243	1,477	898	163	226	1,357	1,574
Having first papers.....	3,711	101	355	41	366	103	29	30	208	184
Alien.....	13,799	758	1,673	154	1,693	1,359	60	131	613	834
Unknown.....	6,084	111	414	93	586	166	24	30	324	643
ILLITERACY										
ILLITERATE MALES OF VOTING AGE.										
Total number illiterate.....	4,757	408	704	121	587	646	170	125	470	282
Per cent illiterate.....	2.6	11.1	6.6	6.7	5.9	10.8	7.8	11.2	4.8	3.5
Per cent in 1900.....	4.3	12.5	9.5	7.7	7.4	6.7	7.2	10.0	15.4	7.7
Native white, number illiterate.....	470	19	37	13	35	32	9	5	94	25
Per cent illiterate.....	0.4	1.0	0.6	1.1	0.7	1.0	0.5	0.9	1.6	0.5
Foreign-born white, number illiterate.....	3,632	307	536	74	316	557	36	36	221	193
Per cent illiterate.....	8.2	21.6	12.6	13.9	7.7	21.5	13.5	8.6	8.8	6.1
Negro, number illiterate.....	163	.....	6	.....	.....	5	.....	.....	1	5
Per cent illiterate.....	4.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
PERSONS 10 YEARS OLD AND OVER.										
Total number.....	431,566	6,900	21,404	3,300	19,538	13,139	4,872	1,749	20,179	17,083
Number illiterate.....	9,639	639	1,107	231	946	1,004	352	238	624	456
Per cent illiterate.....	2.2	9.3	5.2	7.0	4.8	8.3	7.2	13.6	4.1	2.7
Native white, number.....	327,403	4,423	13,502	2,370	12,341	7,747	4,058	949	14,317	11,508
Number illiterate.....	1,251	38	65	29	57	67	20	6	209	62
Per cent illiterate.....	0.4	0.9	0.5	1.2	0.5	0.9	0.5	0.6	1.5	0.5
Foreign-born white, number.....	85,519	1,906	6,933	700	5,858	3,904	383	495	4,013	5,227
Number illiterate.....	7,230	405	873	112	444	863	41	33	386	323
Per cent illiterate.....	8.5	21.2	12.6	16.0	7.6	21.8	10.7	7.7	9.6	6.3
Negro, number.....	8,063	41	141	17	31	63	3	.....	93	47
Number illiterate.....	523	1	11	2	2	9	.....	.....	10	6
Per cent illiterate.....	6.5	.....	7.8	.....	.....	.....	.....	.....	.....	.....
PERSONS 10 TO 20 YEARS, INCLUSIVE.										
Total number.....	85,408	1,568	4,534	689	4,376	2,977	1,284	291	4,312	3,217
Number illiterate.....	1,116	82	84	23	74	109	59	31	77	39
Per cent illiterate.....	1.3	5.2	1.9	3.4	1.7	3.7	4.6	10.7	1.8	1.2
SCHOOL AGE AND ATTENDANCE										
Total number 6 to 20 years, inclusive.....	112,888	2,089	5,972	914	6,040	4,112	1,843	412	5,823	4,331
Number attending school.....	75,574	1,251	3,964	545	3,597	2,687	1,352	212	3,652	2,867
Per cent attending school.....	66.9	59.9	66.4	59.6	59.6	64.9	73.4	51.5	62.7	66.2
Number 6 to 9 years.....	27,480	521	1,438	245	1,664	1,135	559	121	1,511	1,114
Number attending school.....	22,912	304	1,025	154	1,053	802	399	53	1,032	853
Number 10 to 14 years.....	35,351	626	2,084	291	1,949	1,255	610	130	1,781	1,458
Number attending school.....	33,070	582	2,005	263	1,733	1,220	508	101	1,604	1,388
Number 15 to 17 years.....	23,233	411	1,089	161	1,116	767	339	71	1,198	891
Number attending school.....	13,973	250	707	101	636	425	265	41	683	499
Number 18 to 20 years.....	26,824	531	1,351	217	1,311	925	335	90	1,323	888
Number attending school.....	5,619	55	229	27	167	130	120	17	183	127
PERSONS 6 TO 14 YEARS, INCLUSIVE.										
Total number.....	62,831	1,147	3,522	536	3,613	2,420	1,169	251	3,302	2,572
Number attending school.....	55,982	946	3,028	417	2,794	2,112	967	154	2,786	2,241
Per cent attending school.....	89.1	82.5	86.0	77.8	77.3	87.3	82.7	61.4	84.4	87.1
Native white—Native parentage, number.....	39,443	738	1,501	378	2,134	1,194	906	75	1,935	1,371
Number attending school.....	35,257	630	1,249	308	1,588	1,042	731	56	1,609	1,174
Per cent attending school.....	89.4	85.4	83.2	81.5	74.4	87.3	86.2	.....	83.2	85.0
Native white—Foreign or mixed parentage, number.....	17,877	255	1,777	111	1,124	1,056	105	64	1,250	1,083
Number attending school.....	16,089	221	1,669	88	930	927	93	61	1,096	973
Per cent attending school.....	90.0	86.7	88.3	79.3	82.7	87.8	83.6	.....	87.7	89.4
Foreign-born white, number.....	4,040	46	187	3	133	147	10	2	54	105
Number attending school.....	3,342	36	163	1	102	126	8	2	45	88
Per cent attending school.....	82.5	.....	87.2	.....	76.7	85.7	.....	.....	.....	83.8
Negro, number.....	1,207	8	12	.....	2	.....	.....	.....	15	2
Number attending school.....	1,115	5	11	.....	1	11	1	.....	12	2
Per cent attending school.....	92.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES										
Dwellings, number.....	115,874	1,099	5,101	1,056	5,924	3,205	1,429	578	5,806	4,112
Families, number.....	127,362	1,707	5,232	1,061	5,977	3,256	1,445	594	5,898	4,272

¹ 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.	Nevada.	Orange. ¹	Placer.	Plumas.	River-side. ¹	Sacra-mento.	San Benito. ¹	San Ber-nardino. ¹	San Diego. ¹	San Francisco.
POPULATION										
Total population, 1910.....	14,985	34,436	18,237	5,259	34,696	67,806	8,041	56,706	² 61,665	416,912
1900.....	17,789	19,696	15,786	4,657	17,897	45,015	6,633	27,929	² 35,090	342,782
1890.....	17,369	13,589	15,101	4,933	.....	40,339	6,412	25,497	34,987	298,997
1880.....	20,823	.....	14,232	6,180	.....	34,390	5,584	7,786	8,618	233,650
1870.....	19,134	.....	11,367	4,489	.....	26,830	.....	3,988	4,951	149,473
Increase, 1900-1910.....	-2,804	14,740	2,451	602	16,799	21,891	1,408	28,777	² 26,575	74,130
Per cent of increase.....	-15.9	74.8	15.5	12.9	93.9	47.7	21.2	103.0	² 75.7	21.6
Increase, 1890-1900.....	420	6,107	685	-276	³ 17,694	5,576	221	2,432	² -714	43,785
Per cent of increase.....	2.4	44.9	4.5	-5.6	13.8	13.8	3.4	9.5	² -2.0	14.6
Land area (square miles).....	974	795	1,395	2,594	7,240	983	1,392	20,157	4,221	43
Population per square mile, 1910.....	15.4	43.3	13.1	2.0	4.8	69.0	5.8	2.3	14.6	0,095.6
Rural population per square mile, 1910.....	8.0	25.7	11.2	2.0	2.2	23.5	5.8	1.3	5.2	.....
URBAN AND RURAL TERRITORY.										
Urban, 1910—Places of 2,500 or more in 1910.....	7,209	13,977	2,608	.....	18,752	44,696	.....	31,482	² 39,578	416,912
Same places in 1900.....	7,999	7,605	.....	.....	9,407	29,282	.....	12,954	² 17,700	342,782
Per cent of increase, 1900-1910.....	-9.5	83.8	.....	.....	99.3	52.6	.....	143.0	² 123.6	21.0
Rural, 1910—Remainder of county in 1910.....	7,746	20,459	15,629	5,259	15,944	23,110	8,041	25,224	² 22,087	.....
Same territory in 1900.....	9,820	12,091	15,786	4,657	8,490	16,633	6,633	14,975	(1)	.....
Per cent of increase, 1900-1910.....	-21.1	69.2	-1.0	12.9	87.8	38.9	21.2	68.4	(1)	.....
Urban, 1900—Places of 2,500 or more in 1900.....	7,999	4,933	.....	.....	7,973	29,282	.....	10,947	² 17,700	342,782
Rural, 1900—Remainder of county in 1900.....	9,820	14,783	15,786	4,657	9,924	16,633	6,633	16,982	² 17,390	.....
Per cent in places of 2,500 or more, 1910.....	48.2	40.6	14.3	.....	54.0	65.9	.....	55.5	² 64.2	100.0
Per cent in places of 2,500 or more, 1900.....	44.8	25.0	.....	.....	44.5	63.8	.....	39.2	² 50.4	100.0
COLOR AND NATIVITY										
White.....	14,558	33,589	16,572	4,629	31,613	61,040	7,043	54,153	53,514	400,014
Number in 1900.....	17,024	19,459	14,404	4,018	16,421	40,917	6,458	20,005	32,048	365,378
Number in 1890.....	16,042	15,407	15,567	4,245	.....	35,364	6,223	24,101	33,211	270,606
Negro.....	14	97	55	5	518	631	26	642	684	1,642
Number in 1900.....	70	92	36	3	254	511	57	216	408	1,654
Number in 1890.....	110	15	36	7	.....	513	63	313	376	1,347
Black.....	9	68	43	1	284	400	17	506	457	851
Mulatto.....	5	29	12	4	234	231	9	130	227	761
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	383	750	1,610	625	2,565	6,135	372	1,911	2,467	15,256
Native white—Native parentage.....	5,738	21,441	8,420	2,410	20,701	29,511	3,719	32,926	34,498	115,250
Number in 1900.....	6,373	18,432	7,438	1,960	11,073	18,468	3,222	16,638	18,235	65,558
Native white—Foreign or mixed parentage.....	5,354	7,172	4,425	1,167	5,684	18,498	2,357	10,540	12,015	163,781
Number in 1900.....	6,887	4,362	4,439	1,191	3,023	18,911	2,016	6,692	7,748	137,556
Native white—Foreign parentage.....	3,421	4,157	666	666	3,053	11,708	1,317	5,800	7,088	107,293
Native white—Mixed parentage.....	1,933	3,015	1,722	501	2,631	6,790	1,040	4,740	5,827	40,488
Foreign-born white.....	3,466	4,076	3,727	1,052	5,228	13,031	1,567	10,681	11,101	130,874
Number in 1900.....	3,384	2,615	2,617	367	2,325	8,540	1,218	4,275	6,065	104,264
PER CENT OF TOTAL POPULATION.										
Native white—Native parentage.....	38.4	62.3	46.2	45.8	59.7	43.5	46.3	58.1	55.9	27.7
Per cent in 1900.....	35.8	63.4	47.1	42.1	61.9	40.2	48.6	59.0	52.0	24.4
Native white—Foreign or mixed parentage.....	35.8	20.8	24.3	22.2	16.4	27.3	20.3	18.6	20.9	36.9
Per cent in 1900.....	38.4	22.1	28.1	25.6	16.9	30.3	30.4	20.4	22.1	40.1
Foreign-born white.....	23.2	14.4	20.4	15.1	19.2	10.5	18.8	18.8	18.0	31.4
Per cent in 1900.....	21.5	13.3	16.6	13.6	13.0	13.6	18.4	16.3	17.5	30.4
FOREIGN NATIONALITIES										
FOREIGN-BORN WHITE: Born in—										
Atlantic Islands.....	1	.....	7	1	.....	124	47	3	6	136
Austria.....	23	10	15	1	12	71	7	33	42	1,347
Austria—French.....	194	81	129	37	69	610	65	189	231	4,041
Canada—French.....	35	35	24	21	23	99	3	55	87	474
Canada—Other.....	170	680	241	97	914	985	114	1,386	1,337	5,087
Denmark.....	30	66	120	14	70	309	53	152	193	3,118
England.....	1,232	489	399	70	599	1,411	89	993	1,621	9,815
Finland.....	23	10	282	4	10	36	1	16	36	1,846
France.....	52	215	51	38	174	196	82	180	272	0,244
Germany.....	240	1,238	363	86	368	2,167	171	1,047	1,716	24,137
Greece.....	4	6	204	86	68	480	2	11	88	2,274
Hungary.....	8	4	19	1	28	61	7	48	39	1,247
Ireland.....	332	135	349	64	200	1,432	134	469	667	23,151
Italy.....	695	82	622	184	285	1,820	179	286	402	10,018
Mexico.....	13	1,345	77	3	1,649	215	51	4,510	2,224	1,703
Norway.....	49	49	55	7	42	167	7	84	200	3,769
Portugal.....	41	5	200	10	14	932	210	80	93	570
Russia.....	19	101	48	2	34	187	6	119	243	4,040
Scotland.....	64	80	101	22	182	299	14	247	371	3,668
Spain.....	17	69	32	48	25	43	147	68	54	1,170
Sweden.....	78	96	183	34	251	501	40	357	594	6,969
Switzerland.....	76	110	91	165	101	573	112	136	208	2,587
Turkey.....	.....	1	13	11	14	26	1	23	28	722
Other foreign countries.....	70	128	97	46	106	287	25	189	349	3,981
NATIVE WHITE: Both parents born in—										
Austria.....	39	.....	35	2	13	120	10	71	88	1,674
Canada—French.....	17	213	19	7	21	50	3	19	47	227
Canada—Other.....	56	55	80	21	294	324	36	320	310	1,085
Denmark.....	22	86	5	5	31	192	48	73	66	1,125
England.....	1,354	296	232	62	314	1,064	51	584	727	4,235
France.....	31	151	26	14	97	103	57	90	103	2,687
Germany.....	316	1,573	481	114	546	2,882	155	1,301	1,901	24,753
Ireland.....	690	188	465	96	225	2,317	206	635	631	31,262
Italy.....	185	49	130	85	76	811	69	69	140	10,206
Norway.....	16	38	33	2	50	95	5	53	139	966
Russia.....	3	102	18	2	7	110	1	60	191	2,185
Scotland.....	47	77	53	8	78	195	12	149	148	1,572
Sweden.....	39	69	86	6	246	236	12	223	350	2,767
Switzerland.....	39	64	34	102	72	359	88	62	98	1,245
All others of foreign parentage.....	573	1,225	925	140	983	2,850	564	2,197	2,149	20,704

¹ For changes in boundaries, etc., see page 617.
² For combined figures for Imperial and San Diego Counties, see Note 1 on page 617.
³ See Note 2 on page 617.

STATISTICS OF POPULATION.

POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Nevada.	Orange. ¹	Placer.	Plumas.	River-side. ¹	Sacra-mento.	San Benito. ¹	San Ber-nardino. ¹	San Diego. ¹	San Francisco.
SEX										
Total... Male.....	8,525	18,087	11,594	3,449	19,089	40,213	4,621	31,535	33,003	236,901
Female.....	6,430	16,369	6,643	1,810	15,607	27,593	3,420	25,171	28,662	180,011
White... Male.....	8,198	17,368	10,176	3,023	17,120	34,443	4,283	29,586	30,916	222,820
Female.....	6,300	16,221	6,396	1,606	14,493	26,597	3,360	24,567	27,598	177,185
Negro... Male.....	11	45	40	2	242	379	13	368	356	1,025
Female.....	3	52	15	3	276	252	13	274	328	617
MALES OF VOTING AGE										
Total number.....	5,873	11,335	8,533	2,581	12,373	29,693	3,139	21,340	22,743	175,951
Number in 1900.....	7,101	6,913	6,755	2,090	6,886	19,087	2,318	10,004	11,513	128,935
Native white—Native parentage.....	1,643	6,208	2,920	940	6,570	10,392	1,170	10,942	11,622	41,619
Number in 1900.....	2,197	3,442	2,518	772	3,276	6,032	951	5,250	5,480	27,179
Native white—Foreign or mixed parentage.....	1,784	1,800	1,649	506	1,606	6,251	647	2,945	3,555	46,740
Number in 1900.....	1,909	909	1,110	373	763	4,083	408	1,634	3,555	33,579
Native white—Foreign parentage.....	1,308	1,119	1,114	317	943	4,220	303	1,632	2,120	33,960
Native white—Mixed parentage.....	476	681	535	189	663	2,031	254	1,283	1,435	12,780
Foreign-born white.....	2,162	2,090	2,706	836	2,915	8,098	1,018	5,798	5,993	75,798
Number in 1900.....	2,348	1,409	1,717	608	1,832	5,021	768	3,890	3,204	66,108
Negro.....	10	29	37	2	139	299	7	279	277	851
Number in 1900.....	31	21	16	9	67	202	12	72	128	619
Indian, Chinese, Japanese, and all other.....	284	608	1,212	291	1,137	4,633	297	1,376	1,296	10,993
PER CENT OF TOTAL.										
Native white—Native parentage.....	28.0	54.8	34.3	36.7	53.1	35.0	37.3	51.3	51.1	23.7
Native white—Foreign or mixed parentage.....	30.4	15.9	19.3	19.6	13.0	21.1	20.6	13.8	15.6	25.6
Foreign-born white.....	36.6	23.7	31.7	32.4	23.6	27.3	32.4	27.2	26.4	43.1
CITIZENSHIP OF FOREIGN-BORN WHITE.										
Naturalized.....	1,215	1,252	1,203	337	1,039	3,523	526	1,871	3,012	36,375
Having first papers.....	171	119	226	51	173	583	37	220	307	10,631
Alien.....	631	946	1,063	336	1,384	2,984	389	2,813	1,704	21,872
Unknown.....	85	373	204	62	314	1,028	66	894	707	6,840
ILLITERACY										
ILLITERATE MALES OF VOTING AGE.										
Total number illiterate.....	231	478	619	188	1,014	1,009	236	1,970	828	3,521
Per cent illiterate.....	3.9	4.2	7.3	6.5	8.2	3.4	7.5	9.2	3.6	2.0
Per cent in 1900.....	5.0	3.8	5.2	6.5	6.2	10.7	7.8	6.3	8.6	3.8
Native white, number illiterate.....	16	71	27	6	90	58	30	131	53	168
Per cent illiterate.....	0.5	0.9	0.6	0.4	1.1	0.3	1.7	0.9	0.3	0.2
Foreign-born white, number illiterate.....	103	359	304	38	686	422	118	1,520	471	2,633
Per cent illiterate.....	7.6	13.3	14.6	4.5	23.5	5.2	11.6	26.4	7.9	3.5
Negro, number illiterate.....	3	1	5	1	16	31	1	64	27	43
Per cent illiterate.....	3.0	0.3	1.3	0.3	11.5	10.4	0.3	22.9	9.7	5.2
PERSONS 10 YEARS OLD AND OVER.										
Total number.....	12,489	28,063	15,405	4,418	28,667	58,430	6,641	47,223	52,550	362,826
Number illiterate.....	418	838	877	245	1,750	1,529	372	3,441	1,585	7,697
Per cent illiterate.....	3.4	3.3	5.7	5.5	6.1	2.6	5.6	7.3	3.0	2.1
Native white, number.....	8,679	22,480	10,191	2,805	21,009	39,375	4,730	34,699	39,069	218,333
Number illiterate.....	20	219	75	8	199	126	72	234	144	437
Per cent illiterate.....	0.3	1.0	0.7	0.3	0.9	0.3	1.5	0.8	0.4	0.2
Foreign-born white, number.....	3,418	4,798	3,679	1,049	5,005	12,814	1,543	10,183	10,749	128,672
Number illiterate.....	302	647	529	43	1,091	752	199	2,644	801	5,987
Per cent illiterate.....	8.8	13.5	14.4	4.1	21.8	5.9	12.9	26.0	7.5	4.7
Negro, number.....	14	78	52	4	384	560	25	530	623	1,480
Number illiterate.....	5	6	6	1	39	49	1	105	59	76
Per cent illiterate.....	35.7	7.7	11.5	25.0	10.2	8.8	4.0	19.1	9.5	5.1
PERSONS 10 TO 20 YEARS, INCLUSIVE.										
Total number.....	2,075	7,006	2,932	830	6,926	11,026	1,529	10,123	10,893	65,557
Number illiterate.....	41	124	115	14	203	95	23	456	185	603
Per cent illiterate.....	1.5	1.8	3.9	1.7	2.9	0.9	1.8	4.5	1.7	0.9
SCHOOL AGE AND ATTENDANCE										
Total number 6 to 20 years, inclusive.....	3,722	9,483	3,963	1,158	9,273	14,498	2,039	13,688	14,459	85,368
Number attending school.....	2,736	6,698	2,602	779	6,613	8,352	1,313	9,233	9,872	59,128
Per cent attending school.....	73.5	70.6	65.7	67.3	71.3	57.6	64.4	67.5	68.3	68.7
Number 6 to 9 years.....	1,047	2,477	1,031	328	2,347	3,472	510	3,565	3,566	19,811
Number attending school.....	890	2,009	796	265	1,870	2,452	368	2,970	2,895	15,805
Number 10 to 14 years.....	1,269	3,276	1,253	342	2,956	4,300	666	4,379	4,706	24,822
Number attending school.....	1,244	3,089	1,221	329	2,823	3,904	631	4,087	4,380	22,854
Number 15 to 17 years.....	734	1,811	734	208	1,952	3,001	407	2,628	2,908	17,842
Number attending school.....	474	1,164	445	143	1,380	1,541	241	1,597	1,866	8,778
Number 18 to 20 years.....	672	1,919	940	280	2,018	3,725	456	3,116	3,279	22,893
Number attending school.....	119	436	140	42	540	455	73	579	731	2,691
PERSONS 6 TO 14 YEARS, INCLUSIVE.										
Total number.....	2,316	5,753	2,289	670	5,303	7,772	1,176	7,944	8,272	44,633
Number attending school.....	2,143	5,098	2,017	594	4,693	6,356	999	7,057	7,275	38,659
Per cent attending school.....	92.5	88.6	88.1	88.7	88.5	81.8	84.9	88.3	87.9	86.6
Native white—Native parentage, number.....	1,377	3,915	1,490	336	3,393	4,655	671	5,252	4,920	17,005
Number attending school.....	1,269	3,520	1,340	347	3,059	3,831	576	4,788	4,426	14,660
Per cent attending school.....	92.2	89.9	89.9	89.0	90.2	82.3	85.8	91.2	90.0	86.2
Native white—Foreign or mixed parentage, number.....	838	1,568	671	158	1,101	2,514	457	1,891	2,491	23,419
Number attending school.....	785	1,372	586	145	973	2,058	393	1,673	2,225	20,609
Per cent attending school.....	93.7	87.5	87.3	91.8	88.4	81.9	86.0	88.5	89.3	88.0
Foreign-born white, number.....	82	248	70	4	263	328	38	636	485	3,324
Number attending school.....	75	191	53	3	170	273	25	466	368	2,813
Per cent attending school.....	91.3	77.0	75.7	75.0	64.6	83.2	65.8	73.3	75.9	84.6
Negro, number.....	12	4	4	1	107	60	2	64	60	108
Number attending school.....	8	4	4	1	97	44	2	56	54	87
Per cent attending school.....	66.7	100.0	100.0	100.0	90.7	73.3	100.0	87.5	90.0	80.6
DWELLINGS AND FAMILIES										
Dwellings, number.....	3,781	8,504	4,284	1,353	8,286	13,522	2,063	13,914	15,586	65,025
Families, number.....	3,930	8,844	4,412	1,362	8,776	14,997	2,083	14,502	16,361	86,414

¹ Comparable figures not available; for combined figures, see Note 1 on page 617.

² 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.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
POPULATION										
Total population, 1910.....	50,731	19,383	26,585	27,738	83,539	26,140	18,920	4,098	18,801	27,559
1900.....	35,452	16,637	12,094	18,934	60,216	21,512	17,818	4,017	16,982	24,143
1890.....	28,629	16,072	10,087	15,754	48,005	19,270	12,133	5,051	12,163	20,946
1880.....	24,349	9,142	8,069	9,513	35,039	12,802	9,492	6,623	8,610	18,475
1870.....	21,050	4,772	6,635	7,784	26,246	8,743	4,173	5,619	6,848	16,871
Increase, 1900-1910.....	15,279	2,746	14,491	8,804	23,323	4,628	1,602	81	1,839	3,416
Per cent of increase.....	43.1	16.5	119.8	46.5	38.7	21.5	9.3	2.0	10.8	14.1
Increase, 1890-1900.....	6,823	565	2,007	3,180	12,211	2,242	5,185	-1,034	4,799	3,197
Per cent of increase.....	23.8	3.5	19.9	20.2	25.4	11.6	42.7	-20.5	39.5	15.3
Land area (square miles).....	1,448	3,334	447	2,740	1,328	435	3,858	923	6,260	822
Population per square mile, 1910.....	35.0	5.8	59.5	10.1	62.9	60.1	4.9	4.4	3.0	33.5
Rural population per square mile, 1910.....	17.1	4.3	49.7	5.9	34.5	24.2	4.0	4.4	3.0	19.7
URBAN AND RURAL TERRITORY.										
Urban, 1910—Places of 2,500 or more in 1910.....	25,950	5,157	4,384	11,659	37,780	15,592	3,572	.....	.....	11,340
Same places in 1900.....	17,506	3,021	1,832	6,587	26,808	9,187	2,946	.....	.....	7,965
Per cent of increase, 1900-1910.....	45.2	70.7	139.3	77.0	40.9	69.7	21.2	.....	.....	42.4
Rural, 1910—Remainder of county in 1910.....	24,781	14,226	22,201	16,079	45,759	10,548	15,348	4,098	18,801	16,219
Same territory in 1900.....	17,946	13,610	10,262	12,347	33,408	12,325	14,872	4,017	16,982	10,178
Per cent of increase, 1900-1910.....	38.1	4.5	116.3	30.2	37.0	-14.4	3.8	2.0	10.8	0.3
Urban, 1900—Places of 2,500 or more in 1900.....	17,506	3,021	1,832	6,587	25,150	9,187	2,946	.....	.....	10,716
Rural, 1900—Remainder of county in 1900.....	17,946	13,610	12,094	12,347	35,066	12,325	14,872	4,017	16,982	15,427
Per cent in places of 2,500 or more, 1910.....	51.2	26.6	16.5	42.0	45.2	59.6	18.9	.....	.....	41.1
Per cent in places of 2,500 or more, 1900.....	49.4	18.2	.....	34.8	41.8	42.7	17.0	.....	.....	44.4
COLOR AND NATIVITY										
White.....	46,399	18,093	25,821	26,282	79,849	25,159	17,873	3,910	17,413	25,432
Number in 1900.....	32,941	16,339	11,652	18,266	67,934	20,615	16,181	3,669	15,646	22,297
Number in 1890.....	26,588	15,180	9,572	15,069	44,247	18,394	10,875	4,641	10,185	19,290
Negro.....	307	77	67	108	262	83	159	.....	29	250
Number in 1900.....	322	77	89	83	261	81	203	7	32	101
Number in 1890.....	363	457	52	26	989	62	221	18	117	97
Black.....	198	72	45	63	175	37	61	.....	20	205
Mulatto.....	109	5	22	45	87	46	98	.....	9	45
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	4,085	613	697	1,343	3,428	898	888	188	1,350	1,877
Native white—Native parentage.....	23,174	9,511	8,105	16,215	36,818	12,881	11,066	1,840	10,528	10,027
Number in 1900.....	16,961	8,431	3,029	10,890	27,314	10,368	10,425	1,488	10,229	9,054
Native white—Foreign or mixed parentage.....	13,239	5,618	9,200	5,594	24,707	6,724	3,493	1,066	3,623	8,823
Number in 1900.....	9,223	4,999	4,704	4,127	17,042	6,009	3,244	1,284	3,353	7,391
Native white—Foreign parentage.....	8,589	3,303	6,275	3,124	15,775	3,875	1,898	666	1,979	5,770
Native white—Mixed parentage.....	4,650	2,315	2,925	2,470	8,932	2,849	1,696	437	1,644	3,063
Foreign-born white.....	9,926	3,564	3,516	4,473	18,324	5,554	3,374	974	3,252	5,982
Number in 1900.....	6,702	2,959	3,910	3,229	12,678	4,148	2,462	897	2,064	5,222
PER CENT OF TOTAL POPULATION.										
Native white—Native parentage.....	45.7	49.1	30.5	58.5	44.1	49.3	58.2	44.9	56.0	38.6
Per cent in 1900.....	47.3	50.7	25.0	67.5	45.4	48.1	60.2	37.0	60.3	37.5
Native white—Foreign or mixed parentage.....	26.1	29.0	34.6	29.6	29.6	25.7	18.5	27.0	19.3	32.0
Per cent in 1900.....	26.2	30.0	38.9	21.8	29.8	27.9	18.7	32.0	19.8	35.1
Foreign-born white.....	19.6	18.4	32.0	16.1	21.9	21.2	17.8	23.8	17.4	21.7
Per cent in 1900.....	18.9	17.8	32.4	17.1	21.1	19.3	14.2	22.5	12.2	21.0
FOREIGN NATIONALITIES										
FOREIGN-BORN WHITE: Born in—										
Atlantic islands.....	52	6	157	141	875	144	5	.....	10	23
Australia.....	29	9	74	11	119	27	19	.....	23	64
Austria.....	279	73	178	52	798	572	206	60	47	95
Canada—French.....	87	4	38	16	116	38	24	24	36	24
Canada—Other.....	660	194	390	403	1,482	401	230	68	213	370
Denmark.....	239	167	162	112	338	185	51	23	57	217
England.....	621	240	818	503	1,675	504	349	82	200	473
Finland.....	14	6	64	2	49	27	42	2	15	33
France.....	255	46	358	164	730	82	65	32	53	101
Germany.....	1,648	441	1,020	416	2,223	667	447	80	341	820
Greece.....	112	30	34	107	88	161	41	145	215	215
Hungary.....	22	1	53	13	48	21	13	1	8	20
Ireland.....	988	249	1,035	291	1,491	384	221	58	194	934
Italy.....	2,434	232	1,942	696	4,328	1,229	682	291	1,215	641
Mexico.....	439	155	35	316	242	39	27	2	12	57
Norway.....	140	21	93	102	108	36	91	10	52	96
Portugal.....	243	686	604	246	1,077	872	83	16	243	797
Russia.....	497	18	129	19	102	21	39	3	27	53
Scotland.....	202	72	276	227	415	142	73	19	50	178
Spain.....	30	20	26	87	86	9	218	6	2	170
Sweden.....	335	194	393	105	890	137	120	41	173	218
Switzerland.....	323	650	317	431	565	205	52	63	90	222
Turkey.....	86	2	17	9	36	35	6	4	3	33
Other foreign countries.....	191	48	206	77	424	119	150	39	47	168
NATIVE WHITE: Both parents born in—										
Austria.....	35	16	46	14	357	190	53	12	26	31
Canada—French.....	55	10	13	7	73	25	10	9	49	14
Canada—Other.....	221	46	118	89	418	138	68	13	75	150
Denmark.....	92	126	95	86	257	106	38	8	13	173
England.....	452	152	332	229	994	224	186	70	130	272
France.....	160	29	145	70	449	43	41	13	37	49
Germany.....	1,835	484	951	413	2,453	669	438	106	431	993
Ireland.....	1,360	279	1,266	337	2,009	480	341	139	299	1,641
Italy.....	1,572	67	900	237	2,626	452	93	89	154	397
Norway.....	90	20	52	59	70	18	54	6	19	74
Russia.....	612	9	63	15	45	4	7	.....	7	21
Scotland.....	130	45	119	144	240	77	49	12	37	120
Sweden.....	152	104	141	44	654	61	48	9	68	125
Switzerland.....	147	706	227	315	316	147	16	24	24	107
All others of foreign parentage.....	1,626	1,150	1,807	1,065	4,805	1,241	456	144	605	1,733

* For changes in boundaries, etc., see page 617.

STATISTICS OF POPULATION.

POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara. ¹	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou. ¹	Solano.
SEX										
Total.. Male.....	30,052	10,997	15,224	15,211	43,904	14,050	11,749	2,685	11,758	16,629
Female.....	20,678	8,386	11,351	12,527	39,635	12,090	7,471	1,433	7,043	10,930
Whites... Male.....	26,121	10,379	14,544	13,925	40,959	13,317	11,151	2,532	10,905	14,734
Female.....	20,218	8,314	11,277	12,356	38,890	11,842	6,722	1,378	6,448	10,008
Negro... Male.....	164	48	33	53	121	52	92	.....	20	140
Female.....	143	29	34	55	141	31	67	.....	9	110
MALES OF VOTING AGE										
Total number.....	21,714	6,951	10,153	10,141	29,134	9,254	8,309	2,024	8,141	11,980
Number in 1900.....	14,221	5,295	4,530	6,841	20,265	7,612	7,414	1,910	7,391	9,092
Native white—Native parentage.....	7,095	2,814	2,323	4,962	10,811	3,665	3,934	609	3,039	3,705
Number in 1900.....	5,697	2,362	2,350	3,209	7,670	2,975	3,911	535	3,701	3,030
Native white—Foreign or mixed parentage.....	3,052	1,373	2,212	1,450	5,804	1,676	1,407	477	1,421	2,756
Number in 1900.....	2,398	940	919	1,062	3,822	1,316	1,213	445	1,242	2,227
Native white—Foreign parentage.....	2,690	841	1,028	709	3,889	1,020	861	321	876	1,952
Native white—Mixed parentage.....	1,262	532	584	661	1,995	656	546	156	545	904
Foreign-born white.....	6,187	2,204	5,012	2,598	9,942	3,309	2,502	732	2,312	3,778
Number in 1900.....	4,066	1,855	2,404	2,009	6,784	2,520	1,657	628	1,662	2,226
Negro.....	108	33	17	39	96	31	71	.....	18	113
Number in 1900.....	64	14	29	18	33	25	26	.....	13	44
Indian, Chinese, Japanese, and all other.....	3,472	527	589	1,142	2,421	573	335	146	451	1,568
PER CENT OF TOTAL.										
Native white—Native parentage.....	36.8	40.5	22.9	48.9	37.1	39.6	47.3	33.1	48.4	31.4
Native white—Foreign or mixed parentage.....	18.2	19.8	21.8	14.1	20.1	18.1	16.9	23.6	17.5	23.0
Foreign-born white.....	28.5	31.7	49.4	25.3	34.1	35.8	30.8	36.2	28.4	31.5
CITIZENSHIP OF FOREIGN-BORN WHITE.										
Naturalized.....	2,587	1,281	2,074	1,103	4,842	1,510	1,083	340	864	2,050
Having first papers.....	383	110	475	150	692	180	241	57	167	219
Alien.....	1,003	611	2,148	949	3,219	1,287	1,102	810	1,061	1,262
Unknown.....	1,314	198	315	366	1,189	332	136	25	220	247
ILLITERACY										
ILLITERATE MALES OF VOTING AGE.										
Total number illiterate.....	1,066	350	1,108	666	1,671	616	770	122	412	920
Per cent illiterate.....	4.9	5.0	10.9	6.6	5.7	6.7	9.3	6.0	5.1	7.7
Per cent in 1900.....	6.1	7.7	11.7	7.3	8.7	8.1	4.7	12.8	6.7	4.7
Native white, number illiterate.....	107	65	24	180	110	60	32	7	22	24
Per cent illiterate.....	0.9	1.6	0.5	2.8	0.7	1.1	0.6	0.6	0.4	0.4
Foreign-born white, number illiterate.....	570	215	941	303	1,236	474	553	44	224	623
Per cent illiterate.....	9.2	9.8	18.8	11.8	12.4	14.3	21.6	6.0	9.7	16.5
Negro, number illiterate.....	7	4	.....	1	6	3	2	.....	2	4
Per cent illiterate.....	6.5	.....	.....	.....	.....	.....	.....	.....	.....	3.5
PERSONS 10 YEARS OLD AND OVER.										
Total number.....	43,465	15,694	21,464	22,888	70,026	21,775	15,640	3,453	15,418	23,468
Number illiterate.....	1,612	620	1,684	1,094	3,073	991	1,132	156	744	1,326
Per cent illiterate.....	3.7	4.0	7.8	4.8	4.4	4.6	7.2	4.5	4.8	5.7
Native white, number.....	29,514	11,528	12,432	17,140	48,801	15,510	11,465	2,307	11,177	15,498
Number illiterate.....	228	103	56	396	297	119	72	9	46	70
Per cent illiterate.....	0.8	1.4	0.5	2.3	0.6	0.8	0.6	0.4	0.4	0.5
Foreign-born white, number.....	9,709	3,511	8,297	4,371	17,015	5,440	3,812	968	3,183	5,923
Number illiterate.....	947	360	1,465	484	2,335	752	672	57	333	634
Per cent illiterate.....	9.7	10.5	17.7	11.1	13.6	13.8	20.3	5.9	10.5	15.8
Negro, number.....	262	64	56	90	230	71	140	.....	29	229
Number illiterate.....	19	14	1	4	13	3	8	.....	3	13
Per cent illiterate.....	7.3	.....	.....	.....	5.7	.....	5.7	.....	.....	5.7
PERSONS 10 TO 20 YEARS, INCLUSIVE.										
Total number.....	8,739	4,104	4,530	5,039	15,643	4,879	3,297	622	3,333	4,800
Number illiterate.....	94	61	152	67	185	61	107	5	90	60
Per cent illiterate.....	1.1	1.5	3.4	1.3	1.2	1.3	3.2	0.8	2.7	1.4
SCHOOL AGE AND ATTENDANCE										
Total number 6 to 20 years, inclusive.....	11,493	5,542	6,384	6,794	20,815	6,674	4,522	878	4,546	6,409
Number attending school.....	7,154	3,697	4,261	4,578	14,138	4,564	3,065	620	2,869	4,320
Per cent attending school.....	62.2	66.7	66.7	67.4	67.9	68.4	67.8	70.6	63.1	67.4
Number 6 to 9 years.....	2,754	1,438	1,854	1,755	5,172	1,705	1,225	256	1,213	1,608
Number attending school.....	2,096	1,138	1,488	1,413	3,810	1,376	942	217	904	1,350
Number 10 to 14 years.....	3,638	1,812	2,043	2,240	6,643	2,275	1,458	278	1,364	2,047
Number attending school.....	3,385	1,717	1,919	2,091	6,355	2,178	1,374	269	1,288	1,965
Number 15 to 17 years.....	2,404	1,131	1,185	1,364	4,480	1,306	813	146	844	1,244
Number attending school.....	1,296	661	670	803	2,825	801	571	100	544	784
Number 18 to 20 years.....	2,697	1,161	1,302	1,435	4,520	1,298	1,026	195	1,125	1,515
Number attending school.....	376	181	184	271	1,148	209	178	34	183	221
PERSONS 6 TO 14 YEARS, INCLUSIVE.										
Total number.....	6,392	3,250	3,897	3,995	11,815	4,070	2,683	534	2,577	3,650
Number attending school.....	5,482	2,855	3,407	3,504	10,165	3,554	2,316	486	2,192	3,315
Per cent attending school.....	85.8	87.8	87.4	87.7	86.0	87.3	86.3	91.0	85.1	90.8
Native white—Native parentage, number.....	3,636	1,865	1,660	2,773	5,910	2,481	1,921	363	1,735	1,839
Number attending school.....	3,121	1,621	1,462	2,438	5,097	2,177	1,682	336	1,513	1,671
Per cent attending school.....	85.8	86.9	88.1	87.9	86.2	87.7	86.6	92.6	87.2	90.9
Native white—Foreign or mixed parentage, number.....	2,383	1,291	1,910	1,052	5,054	1,378	521	150	490	1,646
Number attending school.....	2,087	1,153	1,685	935	4,374	1,196	472	134	439	1,508
Per cent attending school.....	87.6	89.3	88.2	88.9	86.5	86.8	90.6	89.3	89.6	91.6
Foreign-born white, number.....	251	70	303	136	670	159	83	12	94	101
Number attending school.....	209	59	243	107	570	144	70	12	86	89
Per cent attending school.....	83.3	.....	80.2	78.7	85.1	90.6	.....	.....	.....	88.1
Negro, number.....	45	13	12	12	25	13	24	.....	1	26
Number attending school.....	34	12	11	10	23	13	24	.....	1	21
Per cent attending school.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES										
Dwellings, number.....	10,616	4,408	5,926	6,677	19,810	6,826	4,212	1,002	4,425	6,037
Families, number.....	11,259	4,498	6,020	6,866	20,798	6,997	4,323	1,016	4,504	6,314

¹Native 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.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. ¹	Tuolumne.	Ventura. ¹	Yolo.	Yuba.
POPULATION										
Total population, 1910.....	48,394	22,522	6,328	11,401	3,301	35,440	9,979	18,327	13,928	10,042
1900.....	38,480	9,550	5,836	10,996	4,383	18,375	11,166	14,307	13,618	8,020
1890.....	32,721	10,040	5,469	9,913	3,719	24,574	6,082	10,071	12,684	9,636
1880.....	25,926	8,761	5,169	9,801	4,999	11,281	7,848	5,073	11,772	11,284
1870.....	19,819	6,499	5,030	3,527	3,213	4,533	8,150		9,899	10,861
Increase, 1900-1910.....	9,914	12,972	442	405	-1,082	17,065	-1,187	3,980	308	1,422
Per cent of increase.....	25.8	135.8	7.5	3.7	-24.7	92.9	-10.6	27.7	2.3	16.5
Increase, 1890-1900.....	5,759	-490	417	1,080	664	2-0,842	5,084	4,296	934	-1,010
Per cent of increase.....	17.6	-4.9	7.6	10.9	17.9	2-25.8	83.6	42.7	7.4	-10.5
Land area (square miles).....	1,577	1,450	608	2,893	3,166	4,856	2,190	1,878	1,014	659
Population per square mile, 1910.....	30.7	15.5	10.4	3.9	1.0	7.3	4.6	9.8	13.7	15.7
Rural population per square mile, 1910.....	22.0	12.8	10.4	2.7	1.0	5.2	4.6	6.8	10.6	7.2
URBAN AND RURAL TERRITORY.										
Urban, 1910—Places of 2,500 or more in 1910.....	13,697	4,034		3,580		10,004		5,500	3,187	5,430
Same places in 1900.....	10,544	2,024		2,760		5,301		2,470	2,886	3,497
Per cent of increase, 1900-1910.....	29.9	99.3		28.4		88.7		122.7	10.4	55.3
Rural, 1910—Remainder of county in 1910.....	34,697	18,488	6,328	7,871	3,301	25,436	9,979	12,847	10,739	4,612
Same territory in 1900.....	27,936	7,526	5,836	8,246	4,383	13,074	11,166	11,897	10,732	5,123
Per cent of increase, 1900-1910.....	24.2	145.7	7.5	-4.5	-24.7	94.6	-10.6	8.0	0.1	-10.0
Urban, 1900—Places of 2,500 or more in 1900.....	10,544			2,760		3,085			2,886	3,497
Rural, 1900—Remainder of county in 1900.....	27,936	9,550	5,836	8,246	4,383	15,290	11,166	14,367	10,732	5,123
Per cent in places of 2,500 or more, 1910.....	28.3	17.9		31.0		28.2		30.0	22.9	54.1
Per cent in places of 2,500 or more, 1900.....	27.4			25.0		16.8			21.2	40.6
COLOR AND NATIVITY										
White.....	47,187	22,120	6,012	10,809	2,903	34,159	9,698	17,132	12,618	8,909
Number in 1900.....	37,385	9,823	5,451	9,378	3,803	17,709	10,304	15,226	12,662	7,651
Number in 1890.....	31,160	9,548	5,094	8,971	2,945	23,233	6,550	9,418	11,919	8,416
Negro.....	43	89	10	91	8	190	14	64	280	203
Number in 1900.....	32	61	34	147	9	73	53	34	172	170
Number in 1890.....	45	61	47	252	27	207	52	110	122	213
Black.....	28	62	9	52	3	99	12	43	136	184
Mulatto.....	15	27	1	39	5	91	2	16	144	19
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	1,184	304	306	501	390	1,091	267	1,151	1,023	930
Native white—Native parentage.....	22,876	13,266	4,052	7,386	1,788	24,621	4,262	10,350	7,575	5,288
Number in 1900.....	19,533	6,677	3,637	6,685	2,163	13,327	4,638	8,619	7,518	4,572
Native white—Foreign or mixed parentage.....	13,886	5,029	1,274	2,078	700	5,589	3,149	3,714	3,169	2,305
Number in 1900.....	10,311	2,193	1,227	2,033	876	2,227	3,790	2,227	3,274	2,214
Native white—Foreign parentage.....	9,081	3,119	722	1,109	373	3,220	1,984	2,075	1,870	1,372
Native white—Mixed parentage.....	4,805	1,910	552	969	327	2,369	1,165	1,639	1,289	833
Foreign-born white.....	10,405	3,834	686	1,345	415	3,949	2,287	3,063	1,884	1,316
Number in 1900.....	7,641	1,453	537	1,155	659	1,555	2,376	1,982	1,870	1,050
PER CENT OF TOTAL POPULATION.										
Native white—Native parentage.....	47.3	58.9	64.0	64.3	54.2	69.5	42.7	56.4	54.4	52.7
Per cent in 1900.....	50.8	58.4	61.8	60.8	49.5	72.5	41.5	60.0	55.2	50.3
Native white—Foreign or mixed parentage.....	28.7	22.3	20.1	13.2	21.2	15.8	31.6	20.2	22.7	23.0
Per cent in 1900.....	26.8	25.0	20.8	18.5	22.3	15.4	33.9	22.4	24.0	25.7
Foreign-born white.....	21.5	17.0	10.8	11.8	12.6	11.1	22.9	16.7	13.5	13.1
Per cent in 1900.....	19.6	15.2	10.0	10.5	15.0	8.5	21.3	13.8	13.7	12.3
FOREIGN NATIONALITIES										
FOREIGN-BORN WHITE: Born in—										
Atlantic Islands.....	87	69		12	1	5	14	9	4	1
Australia.....	42	18	1	12		12	8	3	5	3
Austria.....	122	35	7	32	20	117	164	31	22	19
Canada—French.....	54	17	9	27	3	49	34	17	7	14
Canada—Other.....	723	311	55	167	55	436	152	230	149	89
Denmark.....	327	231	15	19	18	71	33	37	22	18
England.....	699	232	71	133	38	253	302	216	178	125
Finland.....	72	2	3	6	7	81	12	3	2	8
France.....	329	66	24	26	19	72	46	108	10	46
Germany.....	1,969	497	172	253	90	540	215	355	523	203
Greece.....	63	13	23	40	1	17	1	62	66	250
Hungary.....	23	9	4	11		13	4	4	4	5
Ireland.....	323	163	53	158	46	125	166	142	210	205
Italy.....	2,715	292	9	26	23	303	566	138	140	35
Mexico.....	41	180	7	21	5	560	107	1,161	24	21
Norway.....	144	128	15	45	3	28	34	23	13	23
Portugal.....	346	618	55	77	19	303	84	96	103	53
Russia.....	67	10	5	4	2	216	9	14	47	11
Scotland.....	208	74	21	52	9	98	58	86	49	42
Spain.....	27	31	3	21		11	52	53	22	33
Sweden.....	353	666	40	58	23	279	103	45	50	34
Switzerland.....	920	190	78	31	10	100	32	64	102	32
Turkey.....	38	13		1	7	236	2	50	5	1
Other foreign countries.....	208	79	16	103	16	74	84	109	62	40
NATIVE WHITE: Both parents born in—										
Austria.....	57	28	5	13	6	95	37	9	10	14
Canada—French.....	23	14	2	11		40	22	9	7	4
Canada—Other.....	191	96	19	51	7	134	29	88	44	26
Denmark.....	240	115	8	7	9	38	20	19	14	2
England.....	408	198	74	101	28	180	281	111	93	123
France.....	154	39	11	7	10	61	42	67	13	21
Germany.....	2,042	559	284	282	99	795	243	404	723	326
Ireland.....	1,117	253	101	187	81	234	374	193	252	442
Italy.....	1,533	118	2	13	3	127	333	56	65	16
Norway.....	94	86	7	26	6	21	11	11	9	9
Russia.....	33	7		4		259	4	20	10	6
Scotland.....	146	54	20	37	4	58	44	54	36	32
Sweden.....	199	690	27	46	4	266	40	26	27	18
Switzerland.....	749	67	6	6	1	46	20	50	39	10
All others of foreign parentage.....	2,088	800	136	313	115	868	484	963	505	318

¹ For changes in boundaries, etc., see page 617.

² See Note 2 on page 617.

STATISTICS OF POPULATION.

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POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. ¹	Tuolumne.	Ventura. ¹	Yolo.	Yuba.
SEX										
Total.. Male.....	28, 113	12, 820	3, 710	6, 583	2, 188	19, 817	6, 093	10, 620	8, 162	6, 433
Female.....	22, 281	9, 702	2, 618	4, 818	1, 135	15, 623	3, 886	7, 727	5, 764	3, 609
White.. Male.....	25, 190	12, 508	3, 434	6, 111	1, 898	18, 789	5, 906	9, 499	7, 061	5, 479
Female.....	21, 677	9, 621	2, 578	4, 698	1, 005	15, 370	3, 792	7, 633	5, 557	3, 430
Negro.. Male.....	25	53	4	40	5	118	13	32	188	103
Female.....	18	36	6	51	3	72	1	32	92	100
MALES OF VOTING AGE										
Total number.....	16, 770	8, 274	2, 471	4, 456	1, 606	12, 233	4, 341	6, 905	5, 787	4, 859
Number in 1900.....	13, 081	5, 551	2, 532	4, 355	2, 203	6, 184	6, 042	4, 979	5, 214	3, 500
Native white—Native parentage.....	6, 741	4, 229	1, 270	2, 485	758	7, 563	1, 448	3, 130	2, 546	2, 021
Number in 1900.....	5, 716	1, 856	1, 133	2, 190	974	3, 969	1, 302	2, 519	2, 455	1, 562
Native white—Foreign or mixed parentage.....	3, 310	1, 424	467	718	330	1, 470	1, 171	932	1, 083	1, 044
Number in 1900.....	2, 146	665	444	533	411	775	1, 323	794	899	767
Native white—Foreign parentage.....	2, 248	903	294	439	202	889	555	724	691	691
Native white—Mixed parentage.....	1, 062	521	173	279	128	581	347	427	359	353
Foreign-born white.....	5, 967	2, 865	480	853	328	2, 324	1, 586	1, 750	1, 212	901
Number in 1900.....	4, 373	216	391	703	529	993	1, 093	1, 293	1, 183	699
Negro.....	15	34	4	28	3	81	11	20	134	78
Number in 1900.....	11	25	14	63	4	21	23	10	62	53
Indian, Chinese, Japanese, and all other.....	737	222	244	372	187	795	125	1, 023	812	755
PER CENT OF TOTAL.										
Native white—Native parentage.....	40.2	51.1	51.6	55.8	47.2	61.8	33.4	45.3	44.0	41.6
Native white—Foreign or mixed parentage.....	19.7	17.2	18.9	16.1	20.5	12.0	27.0	14.2	18.7	21.5
Foreign-born white.....	35.6	28.6	19.4	19.1	20.4	19.0	36.5	25.3	20.9	19.8
CITIZENSHIP OF FOREIGN-BORN WHITE.										
Naturalized.....	3, 000	1, 070	273	515	221	938	827	642	713	439
Having first papers.....	305	182	29	34	33	188	142	60	102	56
Alien.....	1, 700	661	137	188	41	788	527	709	293	326
Unknown.....	962	452	41	110	33	410	90	279	104	140
ILLITERACY										
ILLITERATE MALES OF VOTING AGE.										
Total number illiterate.....	875	327	237	198	152	511	302	573	163	577
Per cent illiterate.....	5.2	4.0	9.6	4.4	9.5	4.2	7.0	8.3	2.8	11.9
Per cent in 1900.....	5.9	4.6	9.5	3.4	9.0	4.4	6.0	9.3	7.6	2.9
Native white, number illiterate.....	200	21	14	28	5	54	22	94	19	16
Per cent illiterate.....	2.0	0.4	0.8	0.9	0.5	0.6	0.8	2.3	0.5	0.5
Foreign-born white, number illiterate.....	497	267	63	41	36	281	193	379	76	158
Per cent illiterate.....	8.3	11.3	13.1	4.8	11.0	12.1	12.5	21.7	6.3	16.4
Negro, number illiterate.....	8	2	1	3	1	13	1	1	33	5
Per cent illiterate.....	.....	.....	.....	.....	.....	.....	.....	.....	24.6	.....
PERSONS 10 YEARS OLD AND OVER.										
Total number.....	39, 981	18, 275	5, 233	9, 524	2, 743	28, 233	8, 309	14, 947	11, 835	8, 688
Number illiterate.....	1, 737	482	296	295	206	851	467	1, 035	238	632
Per cent illiterate.....	4.3	2.6	5.7	3.1	7.5	3.0	5.6	6.9	2.0	8.0
Native white, number.....	28, 730	14, 175	4, 254	7, 657	2, 012	23, 313	5, 805	10, 807	8, 794	6, 324
Number illiterate.....	568	37	26	38	14	104	36	230	38	32
Per cent illiterate.....	2.0	0.3	0.6	0.5	0.7	0.4	0.6	2.1	0.4	0.5
Foreign-born white, number.....	10, 185	3, 748	633	1, 324	410	3, 809	2, 264	2, 970	1, 852	1, 314
Number illiterate.....	874	396	48	86	48	491	201	694	107	206
Per cent illiterate.....	8.6	10.6	13.3	6.5	11.7	12.9	12.9	23.4	5.8	15.7
Negro, number.....	41	74	10	76	6	161	14	52	240	176
Number illiterate.....	3	3	3	5	1	28	2	3	39	6
Per cent illiterate.....	.....	.....	.....	.....	.....	17.4	.....	.....	16.3	3.4
PERSONS 10 TO 20 YEARS, INCLUSIVE.										
Total number.....	9, 733	4, 569	1, 225	2, 276	521	7, 418	1, 693	3, 649	2, 607	1, 552
Number illiterate.....	310	43	16	21	11	107	43	125	16	46
Per cent illiterate.....	3.2	0.9	1.3	0.9	2.1	1.4	2.5	3.4	0.6	3.0
SCHOOL AGE AND ATTENDANCE										
Total number 6 to 20 years, inclusive.....	13, 112	6, 218	1, 671	3, 112	749	10, 146	2, 343	4, 943	3, 417	2, 047
Number attending school.....	8, 198	4, 153	1, 159	2, 301	487	6, 949	1, 535	3, 240	2, 281	1, 256
Per cent attending school.....	62.5	66.8	69.4	73.9	65.0	68.5	65.5	65.5	67.0	61.4
Number 6 to 9 years.....	3, 379	1, 649	440	836	223	2, 728	650	1, 294	810	495
Number attending school.....	2, 293	1, 132	340	700	146	2, 107	522	1, 020	624	332
Number 10 to 14 years.....	4, 306	2, 079	592	1, 077	239	3, 317	726	1, 581	1, 144	596
Number attending school.....	3, 925	1, 951	539	1, 032	213	3, 142	675	1, 465	1, 080	551
Number 15 to 17 years.....	2, 714	1, 222	316	622	141	2, 013	431	971	685	435
Number attending school.....	1, 577	802	219	435	94	1, 338	276	569	430	233
Number 18 to 20 years.....	2, 713	1, 268	347	577	141	2, 088	536	1, 097	768	521
Number attending school.....	403	268	61	134	29	362	62	186	157	85
PERSONS 6 TO 14 YEARS, INCLUSIVE.										
Total number.....	7, 685	3, 728	1, 008	1, 913	467	6, 045	1, 376	2, 875	1, 954	1, 091
Number attending school.....	6, 218	3, 083	879	1, 732	394	5, 249	1, 197	2, 435	1, 704	883
Per cent attending school.....	80.9	82.7	87.2	90.5	77.9	86.8	87.0	86.4	87.2	80.9
Native white—Native parentage, number.....	4, 041	2, 529	800	1, 446	313	4, 515	844	1, 923	1, 291	823
Number attending school.....	3, 320	2, 109	694	1, 308	255	3, 942	738	1, 705	1, 132	669
Per cent attending school.....	82.2	83.4	86.3	90.5	81.5	87.3	87.4	88.7	87.7	81.3
Native white—Foreign or mixed parentage, number.....	3, 189	1, 057	191	379	81	1, 253	499	760	566	213
Number attending school.....	2, 577	867	173	350	64	1, 109	413	646	506	184
Per cent attending school.....	80.8	82.0	90.6	92.3	.....	88.5	88.1	85.0	89.4	86.4
Foreign-born white, number.....	357	110	4	33	8	193	27	167	44	5
Number attending school.....	276	84	3	28	6	147	21	116	37	2
Per cent attending school.....	77.3	76.4	.....	.....	.....	76.2	.....	69.5	.....	.....
Negro, number.....	4	12	2	23	2	25	.....	10	34	18
Number attending school.....	3	8	2	21	1	15	.....	8	27	10
Per cent attending school.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DWELLINGS AND FAMILIES										
Dwellings, number.....	11, 949	5, 012	1, 472	2, 605	878	8, 225	2, 499	4, 264	3, 242	1, 988
Families, number.....	12, 114	5, 326	1, 491	2, 697	882	8, 431	2, 554	4, 323	3, 309	2, 073

¹ 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

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

SUBJECT.	TOTAL, CITIES NAMED.	Berkeley. ¹	Los Angeles. ¹	Oakland. ¹	Pasadena. ¹	Sacramento.	San Diego.	San Francisco.	San Jose.
POPULATION									
Total population, 1910.....	1,070,229	40,434	319,198	150,174	30,291	44,696	39,578	416,012	23,946
1900.....	603,034	13,214	102,479	66,960	9,117	29,282	17,700	342,782	21,500
1890.....	468,662	5,101	50,395	48,682	4,882	26,386	16,159	298,997	18,000
1880.....	316,321	.....	11,183	34,556	.....	21,420	2,637	233,959	12,567
1870.....	193,373	.....	5,728	10,500	.....	16,283	2,300	149,473	9,089
Increase, 1900-1910.....	467,195	27,220	216,719	83,214	21,174	15,414	21,878	74,130	7,446
Per cent of increase.....	77.5	206.0	211.5	124.3	232.2	52.6	123.6	21.6	34.6
Increase, 1890-1900.....	134,372	8,113	52,084	18,278	4,235	2,896	1,641	43,785	3,440
Per cent of increase.....	28.7	159.0	103.4	37.5	86.7	11.0	9.5	14.6	16.0
COLOR AND NATIVITY									
White.....	1,023,684	38,995	305,307	141,956	29,190	41,705	38,465	400,014	23,052
Number in 1900.....	675,240	13,963	98,032	64,788	3,731	27,476	17,077	325,378	20,690
Number in 1890.....	490,466	4,968	47,205	46,823	4,723	24,201	15,081	270,696	16,759
Negro.....	14,552	247	7,599	3,055	744	486	597	1,042	182
Number in 1900.....	6,019	66	2,151	1,022	218	402	315	1,664	209
Number in 1890.....	4,709	11	1,258	644	75	401	280	1,347	184
Black.....	8,795	89	5,101	1,434	499	270	398	881	123
Mulatto.....	5,757	158	2,498	1,621	245	216	199	761	59
Indian.....	170	2	81	20	2	6	8	40	5
Chinese.....	18,459	451	1,954	3,609	102	1,054	348	10,532	359
Japanese.....	13,180	710	4,238	1,520	253	1,437	159	4,518	345
All other.....	184	29	19	14	.....	8	1	110	3
Native white—Native parentage.....	434,574	19,479	169,987	55,198	19,026	19,821	22,550	115,359	13,174
Number in 1900.....	205,311	5,268	64,060	24,790	5,992	12,342	9,379	83,558	9,224
Native white—Foreign or mixed parentage.....	326,812	11,863	74,756	49,936	5,867	12,999	8,549	153,781	9,001
Number in 1900.....	214,365	4,641	28,105	23,775	1,619	9,721	4,227	137,556	0,721
Native white—Foreign parentage.....	214,025	7,120	45,715	32,949	3,150	8,338	4,743	107,293	5,617
Native white—Mixed parentage.....	111,887	4,743	29,041	16,987	2,717	4,661	3,806	46,488	3,444
Foreign-born white.....	262,298	7,653	60,584	36,822	4,297	8,885	7,366	130,874	6,817
Number in 1900.....	166,664	5,061	17,917	16,225	1,170	5,413	3,471	104,224	4,045
PER CENT OF TOTAL POPULATION.									
Native white—Native parentage.....	40.6	48.2	53.2	36.8	62.8	44.3	57.0	27.7	45.5
Per cent in 1900.....	54.0	59.9	62.8	37.0	65.7	48.1	63.0	24.4	40.2
Native white—Foreign or mixed parentage.....	30.5	29.3	23.4	33.3	19.4	29.1	21.6	36.0	31.3
Per cent in 1900.....	35.5	35.1	35.5	35.5	17.8	35.2	23.0	40.1	31.3
Foreign-born white.....	24.5	18.9	19.0	24.5	14.2	19.9	18.6	31.4	20.1
Per cent in 1900.....	25.8	25.2	17.5	24.2	12.8	18.5	10.6	30.4	18.8
SEX									
Total... Male.....	571,451	19,518	162,069	78,222	13,684	25,332	20,726	236,901	14,399
Female.....	498,778	20,916	156,529	71,952	16,607	19,364	18,852	180,011	14,547
White... Male.....	536,815	18,450	163,602	72,350	13,013	22,896	19,048	222,829	13,727
Female.....	486,869	20,545	151,705	69,606	16,177	18,809	18,517	177,185	14,325
Negro... Male.....	7,418	102	3,682	1,614	342	270	300	1,025	83
Female.....	7,134	145	3,917	1,441	402	216	297	617	99
FOREIGN NATIONALITIES									
FOREIGN-BORN WHITE: Born in—									
Australia.....	2,196	103	220	402	8	44	36	1,347	36
Austria.....	9,437	90	2,510	1,267	52	544	182	4,641	161
Canada—French.....	1,557	22	592	245	37	67	68	474	52
Canada—Other.....	20,122	914	7,657	2,881	920	668	922	5,687	473
Denmark.....	6,380	206	1,096	1,461	62	188	121	3,113	68
England.....	25,086	1,094	7,575	3,707	824	1,010	1,086	9,815	575
Finland.....	2,831	338	261	319	6	27	28	1,846	6
France.....	10,270	256	1,914	1,204	47	146	171	6,244	288
Germany.....	44,567	1,231	0,683	5,476	678	1,477	1,133	24,137	752
Greece.....	3,742	117	361	470	48	368	68	2,274	36
Holland.....	1,194	28	408	165	35	18	22	500	18
Hungary.....	2,459	34	819	248	16	49	37	1,247	9
Ireland.....	34,423	695	3,877	4,160	336	1,156	517	23,151	531
Italy.....	28,198	329	3,802	3,800	34	1,162	331	16,018	1,322
Mexico.....	9,414	75	5,611	249	277	103	1,222	1,793	114
Norway.....	6,350	220	1,003	996	94	85	150	3,769	33
Portugal.....	5,044	202	128	3,367	6	572	79	570	120
Russia.....	10,763	224	4,758	799	75	117	118	4,040	32
Scotland.....	7,671	344	1,589	1,322	154	206	265	3,668	123
Spain.....	1,746	11	384	101	5	34	20	1,170	21
Sweden.....	14,692	626	3,414	2,337	383	296	424	6,999	243
Switzerland.....	4,776	158	828	618	53	271	113	2,587	148
Wales.....	1,270	36	414	267	47	31	48	401	32
Other foreign countries.....	7,504	240	1,680	961	100	246	205	3,938	134
NATIVE WHITE: Both parents born in—									
Austria.....	3,090	46	742	365	28	100	77	1,674	58
Canada—French.....	803	24	289	147	14	33	40	227	29
Canada—Other.....	5,377	294	1,760	871	206	205	200	1,685	156
Denmark.....	3,039	200	598	861	32	135	25	1,125	63
England.....	12,689	576	3,607	2,135	417	789	507	4,235	423
France.....	5,087	176	1,155	690	30	86	67	2,687	196
Germany.....	50,345	1,500	12,494	6,150	991	2,093	1,306	24,753	998
Ireland.....	46,360	1,014	5,209	5,428	283	1,873	472	31,202	819
Italy.....	16,884	229	2,289	2,228	20	544	117	10,206	1,251
Norway.....	2,626	132	656	566	84	52	103	966	20
Russia.....	5,339	123	2,406	441	47	68	43	2,185	26
Scotland.....	3,863	172	942	771	82	133	99	1,572	92
Sweden.....	7,841	422	2,004	1,395	170	139	285	2,767	209
Switzerland.....	2,470	82	419	371	29	177	57	1,245	99
Wales.....	997	32	368	174	44	36	30	292	21
All others of foreign parentage ²	48,003	1,988	10,777	10,356	673	1,875	1,365	20,412	1,157

¹ For changes in boundaries, etc., see page 617.

STATISTICS OF POPULATION.

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POPULATION FOR CITIES OF 25,000 OR MORE.

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

SUBJECT.	TOTAL, CITIES NAMED.	Berkeley. ¹	Los Angeles. ¹	Oakland. ¹	Pasadena. ¹	Sacramento.	San Diego.	San Francisco.	San Jose.
MALES OF VOTING AGE									
Total number.....	410,053	12,622	114,889	53,967	9,262	18,777	14,824	175,951	9,761
Number in 1900.....	212,679	5,734	53,049	20,361	2,675	10,914	5,865	128,985	6,586
Native white—Native parentage.....	146,028	5,363	57,829	17,046	5,500	6,972	7,853	41,619	3,837
Number in 1900.....	62,473	1,551	16,024	6,087	1,684	3,921	2,338	27,179	2,439
Native white—Foreign or mixed parentage.....	93,300	2,822	20,228	12,783	1,450	4,437	2,461	46,740	2,370
Number in 1900.....	50,676	790	5,765	4,863	390	2,764	924	33,579	1,660
Native white—Foreign parentage.....	64,752	1,790	13,083	8,992	845	3,051	1,505	33,960	1,525
Native white—Mixed parentage.....	28,548	1,032	7,145	3,791	614	1,386	956	12,780	844
Foreign-born white.....	142,216	3,027	29,576	19,334	1,772	5,331	3,845	75,768	2,963
Number in 1900.....	80,943	1,427	8,613	7,701	474	2,017	1,759	50,102	1,945
Negro.....	5,428	56	2,571	1,238	227	207	232	831	66
Number in 1900.....	2,001	16	632	355	76	135	93	619	77
Indian, Chinese, Japanese, and all other.....	23,081	754	4,685	3,566	295	1,830	433	10,993	525
PER CENT OF TOTAL.									
Native white—Native parentage.....	35.6	42.5	50.3	31.6	59.5	37.1	53.0	23.7	39.3
Native white—Foreign or mixed parentage.....	22.8	22.4	17.6	23.7	15.8	23.6	16.6	26.6	24.3
Foreign-born white.....	34.7	28.7	25.7	35.8	19.1	28.4	25.9	43.1	30.4
CITIZENSHIP OF FOREIGN-BORN WHITE.									
Naturalized.....	70,024	2,066	14,007	10,237	1,101	2,424	2,057	36,375	1,637
Having first papers.....	10,652	339	2,730	2,004	125	402	190	10,681	181
Alien.....	41,285	854	8,662	5,968	402	1,779	936	21,872	312
Unknown.....	14,255	338	4,087	1,125	144	720	662	6,840	333
ILLITERATE									
ILLITERATE MALES OF VOTING AGE.									
Total number illiterate.....	8,981	250	2,270	1,877	160	264	268	3,521	371
Per cent illiterate.....	2.2	2.0	2.0	3.5	1.7	1.4	1.8	2.0	3.8
Per cent in 1900.....	3.0	1.6	2.7	3.6	2.1	5.0	2.5	2.8	5.5
Native white, number illiterate.....	543	9	163	111	32	15	26	158	29
Per cent illiterate.....	0.2	0.1	0.2	0.4	0.5	0.1	0.3	0.2	0.5
Foreign-born white, number illiterate.....	6,921	203	1,806	1,404	77	170	210	2,683	278
Per cent illiterate.....	4.9	5.6	6.1	7.7	4.3	3.2	5.5	3.5	9.4
Negro, number illiterate.....	235	1	115	34	9	9	23	43	1
Per cent illiterate.....	4.3	-----	4.5	2.7	4.0	4.3	9.9	5.2	-----
PERSONS 10 YEARS OLD AND OVER.									
Total number.....	924,117	34,354	275,863	126,914	26,259	38,973	34,300	362,826	24,628
Number illiterate.....	19,472	475	5,258	3,863	319	534	545	7,697	781
Per cent illiterate.....	2.1	1.4	1.9	3.0	1.2	1.4	1.6	2.1	3.2
Native white, number.....	625,084	25,551	204,320	83,508	21,102	27,476	26,126	218,383	18,118
Number illiterate.....	11,569	18	506	335	78	56	67	437	72
Per cent illiterate.....	0.3	0.1	0.2	0.4	0.4	0.2	0.3	0.2	0.4
Foreign-born white, number.....	250,635	7,501	58,966	36,042	4,184	8,748	7,131	128,672	5,601
Number illiterate.....	15,064	394	4,101	3,000	159	373	412	5,987	638
Per cent illiterate.....	5.9	5.3	7.0	8.3	3.8	4.3	5.8	4.7	11.2
Negro, number.....	12,638	211	6,528	2,656	632	433	541	1,480	157
Number illiterate.....	678	8	389	87	38	24	52	76	4
Per cent illiterate.....	5.4	8.8	6.0	3.3	6.0	5.5	9.6	5.1	2.5
PERSONS 10 TO 20 YEARS, INCLUSIVE.									
Total number.....	175,946	7,809	52,346	25,669	5,047	7,273	6,516	65,557	5,229
Number illiterate.....	1,596	25	520	242	37	34	69	603	36
Per cent illiterate.....	0.9	0.3	1.0	0.9	0.7	0.5	1.1	0.9	0.7
SCHOOL AGE AND ATTENDANCE									
Total number 6 to 20 years, inclusive.....	230,029	10,050	69,036	34,153	6,621	9,381	8,552	85,368	6,868
Number attending school.....	145,723	7,466	44,995	22,253	4,614	5,485	5,808	50,128	4,776
Per cent attending school.....	63.3	74.3	65.2	65.2	72.7	58.5	67.9	58.7	69.5
Number 6 to 9 years.....	54,083	2,241	16,190	8,484	1,574	2,108	2,035	19,811	1,639
Number attending school.....	44,622	1,833	14,077	6,796	1,308	1,668	1,758	15,805	1,377
Number 10 to 14 years.....	69,049	3,095	20,999	10,468	2,116	2,733	2,690	24,829	2,117
Number attending school.....	64,535	2,983	19,624	10,031	2,017	2,476	2,497	22,854	2,053
Number 15 to 17 years.....	48,067	2,228	14,334	6,999	1,405	2,007	1,765	17,842	1,487
Number attending school.....	26,536	1,641	8,066	3,974	994	1,025	1,104	8,778	954
Number 18 to 20 years.....	58,830	2,486	17,513	8,202	1,526	2,533	2,052	22,893	1,625
Number attending school.....	10,030	1,009	3,223	1,452	495	316	447	2,691	392
PERSONS 6 TO 14 YEARS, INCLUSIVE.									
Total number.....	123,132	5,336	37,189	18,952	3,690	4,841	4,735	44,633	3,756
Number attending school.....	109,157	4,816	33,701	16,827	3,325	4,144	4,255	38,659	3,430
Per cent attending school.....	88.7	90.3	90.6	88.8	90.1	85.6	89.9	86.6	91.3
Native white—Native parentage, number.....	59,791	2,887	21,179	8,371	2,580	2,946	2,852	17,005	1,971
Number attending school.....	53,053	2,586	19,167	7,419	2,360	2,507	2,579	14,660	1,775
Per cent attending school.....	88.7	89.6	90.5	88.6	91.5	85.1	90.4	86.2	90.1
Native white—Foreign or mixed parentage, number.....	51,835	2,106	12,076	8,819	886	1,518	1,476	23,419	1,535
Number attending school.....	46,378	1,923	11,075	7,890	780	1,318	1,347	20,609	1,436
Per cent attending school.....	89.5	91.3	91.7	89.5	88.0	86.8	91.3	88.0	93.6
Foreign-born white, number.....	8,416	241	2,820	1,145	128	216	336	3,324	206
Number attending school.....	7,237	218	2,455	1,007	101	191	265	2,813	187
Per cent attending school.....	86.0	90.5	87.1	87.9	78.9	88.4	78.9	84.6	90.8
Negro, number.....	1,568	41	933	280	93	46	53	108	14
Number attending school.....	1,416	36	868	247	82	35	49	87	12
Per cent attending school.....	90.3	-----	93.0	88.2	-----	-----	-----	80.6	-----
DWELLINGS AND FAMILIES									
Dwellings, number.....	207,664								

TABLE III.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR CITIES OF 10,000 TO 25,000.

SUBJECT.	TOTAL, CITIES NAMED.	Alameda.	Bakersfield.	Eureka.	Fresno.	Long Beach.	Pomona.	Redlands.	Riverside.	San Bernardino.	Santa Barbara.	Santa Cruz.	Stockton.	Vallejo.
COLOR AND NATIVITY														
Total population, 1910	198,701	23,383	12,727	11,845	24,892	17,809	10,207	10,449	15,212	12,779	11,659	11,146	23,253	11,349
1900	105,512	16,404	4,836	7,327	12,470	2,252	5,526	4,797	7,973	6,150	6,587	5,659	17,600	7,965
Native white—Native parentage	106,076	8,831	7,926	4,357	12,619	12,528	7,608	6,784	8,844	7,527	7,008	6,178	11,001	4,897
Native white—Foreign or mixed parentage	46,459	8,066	2,224	3,843	4,951	3,086	1,627	1,921	2,496	2,668	2,365	2,827	6,345	4,050
Foreign-born white	35,173	5,555	1,734	3,600	5,445	1,942	882	1,346	2,166	2,243	1,793	1,959	4,478	2,035
Negro	2,152	211	232	19	250	100	27	130	421	177	77	58	196	224
Ind., Chi., Jap., and all other	6,836	730	531	26	1,627	155	63	268	1,285	164	416	124	1,178	224
FOREIGN NATIONALITIES														
FOREIGN-BORN WHITE: Born in—														
Australia	159	66	12	13	17	8	2	4	9	14	4	9	18	13
Austria	817	105	47	137	137	15	7	7	37	43	23	49	145	37
Canada	4,742	550	165	900	300	488	237	30	592	237	224	241	367	149
Denmark	960	243	27	75	234	52	22	16	27	57	32	30	109	35
England	3,903	766	182	134	285	401	191	181	294	232	270	270	386	239
Finland	592	36	25	479	8	1	1	3	5	5	1	3	12	14
France	1,156	243	170	24	180	24	28	26	54	37	88	39	189	64
Germany	4,542	1,235	211	227	364	262	114	173	125	276	235	274	733	314
Greece	386	142	10	11	39	4	5	3	3	6	8	30	56	72
Holland	166	16	4	14	84	10	2	27	11	3	9	18	14	4
Ireland	2,984	459	103	346	165	119	37	101	86	115	153	171	627	502
Italy	3,299	433	155	356	602	9	3	6	128	73	233	370	740	91
Mexico	2,821	83	362	4	282	122	116	208	436	883	123	12	188	7
Norway	732	135	10	313	15	30	10	22	21	15	48	13	61	39
Portugal	702	74	24	17	150	2	5	41	5	4	11	151	134	89
Russia	1,607	43	31	24	1,192	55	10	15	8	33	7	7	151	31
Scotland	1,143	218	35	56	96	129	80	56	97	39	100	61	117	109
Spain	261	18	31	2	93	6	2	10	4	4	49	7	44	3
Sweden	1,606	386	55	284	129	56	34	92	159	64	49	52	147	95
Switzerland	595	76	39	97	40	21	13	13	18	20	33	37	63	45
Turkey	1,097	5	10	5	993	12	1	4	11	12	8	1	14	21
Other foreign countries	878	173	36	73	90	58	17	31	32	62	39	58	133	76
NATIVE WHITE: Both parents born in—														
Austria	312	56	21	23	55	5	7	33	8	18	5	23	45	13
Canada	1,626	156	81	509	111	87	95	70	163	60	40	79	124	51
Denmark	592	177	12	44	176	23	13	4	8	35	21	13	46	20
England	2,151	378	72	66	128	267	122	113	151	160	125	113	294	162
France	638	120	123	12	64	17	14	20	35	26	43	24	115	22
Germany	5,437	1,315	232	266	409	405	234	219	228	342	226	289	884	333
Ireland	3,970	613	175	233	259	158	60	102	90	129	184	206	353	908
Italy	1,715	296	61	94	342	10	3	1	35	43	116	174	455	35
Norway	438	55	9	153	17	29	8	23	24	9	22	8	40	37
Russia	751	28	18	6	531	32	8	1	6	10	11	8	80	17
Scotland	718	156	29	47	55	52	33	29	34	37	46	31	79	90
Sweden	1,037	231	24	135	124	52	22	61	166	43	27	23	54	70
Switzerland	336	65	9	36	7	22	6	10	13	12	12	75	40	29
All others of foreign parentage	7,538	1,263	363	639	1,057	364	163	375	405	573	341	453	859	633
SEX														
Total	198,700	11,648	7,412	6,597	13,324	8,290	4,943	5,202	7,913	6,757	5,714	5,448	12,954	6,590
Male	93,911	11,737	5,315	5,245	11,538	6,519	3,264	3,247	4,299	3,622	2,945	2,698	10,289	4,750
Female	104,789	11,737	5,315	5,245	11,538	6,519	3,264	3,247	4,299	3,622	2,945	2,698	10,289	4,750
White	106,126	10,993	6,798	6,574	11,940	8,107	4,871	4,896	6,726	5,544	4,295	5,313	11,845	6,256
Male	51,587	11,440	5,033	5,226	11,175	6,447	3,264	3,247	4,299	3,622	2,945	2,698	10,289	4,750
Negro	2,152	1,021	95	6	114	47	11	59	190	81	30	33	101	125
Male	1,131	565	48	3	61	23	6	31	100	41	15	16	50	61
Female	1,021	456	47	3	53	24	5	28	90	40	15	17	51	64
MALES OF VOTING AGE														
Total number	70,289	7,788	5,354	4,540	8,777	5,593	3,104	3,428	5,157	4,406	3,871	3,680	9,685	4,886
Native white—Native parentage	33,520	2,371	3,107	1,333	4,024	3,643	2,137	2,013	2,774	2,398	1,977	1,765	3,986	1,930
Native white—Foreign or mixed parentage	12,820	2,071	724	901	1,013	893	478	494	607	770	629	723	2,049	1,463
Foreign-born white	18,529	2,842	1,036	2,228	2,487	901	438	649	1,065	1,068	877	1,004	2,679	1,195
Negro	694	50	93	6	74	32	8	47	107	54	29	21	71	102
CITIZENSHIP OF FOREIGN-BORN WHITE.														
Naturalized	8,923	1,720	308	1,076	1,006	470	219	372	454	377	417	540	1,074	884
Having first papers	1,200	241	38	182	166	100	16	29	73	49	49	39	127	91
Alien	5,409	774	302	814	998	164	76	189	420	422	239	320	552	139
Unknown	2,997	107	388	156	317	187	127	59	118	220	172	159	926	81
ILLITERACY														
Total number 10 years old and over	166,662	18,952	10,652	10,005	20,293	15,483	8,524	8,806	12,928	10,535	9,858	9,398	20,486	9,744
Number illiterate	4,774	218	309	96	1,241	82	138	149	480	651	468	255	663	124
Native white 10 years old and over	124,386	13,655	8,254	6,426	13,504	13,362	7,592	7,105	9,303	8,110	7,648	7,317	14,307	7,393
Number illiterate	776	15	57	7	37	13	56	28	75	86	206	34	150	12
Foreign-born white 10 years old and over	34,132	5,480	1,674	3,539	5,076	1,892	840	1,325	2,078	2,120	1,741	1,920	4,418	2,017
Number illiterate	3,301	153	170	83	1,066	53	77	107	323	480	123	197	380	89
Negro 10 years old and over	1,824	170	227	19	223	80	24	113	319	157	66	49	170	207
Number illiterate	138	22	14	20	10	5	7	26	16	2	2	2	8	6
Illiterate males of voting age	2,447	127	203	67	518	40	69	60	259	326	268	165	288	57
SCHOOL AGE AND ATTENDANCE														
Total number 6 to 20 years, inclusive	46,559	5,697	2,762	2,809	6,208	4,061	2,714	2,602	4,086	3,165	2,727	2,669	4,707	2,372
Number attending school	31,694	4,017	1,722	1,834	3,841	3,111	1,989	1,920	3,049	2,078	1,976	1,813	2,788	1,546
PERSONS 6 TO 14 YEARS, INCLUSIVE.														
Total number	26,135	3,086	1,588	1,547	3,491	2,343	1,571	1,512	2,181	1,875	1,646	1,566	2,436	1,293
Number attending school	23,136	2,846	1,368	1,339	2,933	2,192	1,398	1,393	1,906	1,643	1,486	1,373	1,989	1,205
Native white—Native parentage	10,239	1,494	1,131	909	1,792	1,854	1,285	1,093	1,299	1,204	1,196	1,041	1,455	600
Number attending school	14,452	1,857	1,000	559	1,511	1,735	1,147	1,015	1,192	1,116	1,082	914	1,201	623
Native white—Foreign or mixed parentage	7,710	1,386	337	799	1,051	402	239	355	505	409	367	400	823	571
Number attending school	6,848	1,296	230	711	832	375	214	321	446	360	333	408	687	535
Foreign-born white	1,444	186	57	74	511	72	43	50	106	168	70	40	90	21
Number attending school	1,202	130	37	67	423	63	34	44	72	137	60	39	71	20
Negro	314	41	20	4	45	13	4	13	84	27	7	7	23	20
Number attending school	279	36	24	40	12	3	12	79	23	6	7	7	17	20
DWELLINGS AND FAMILIES														
Dwellings, number	45,063													

STATISTICS OF POPULATION.

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

SUBJECT.	TOTAL, PLACES NAMED.	Alhambra. ¹	Anaheim.	Chico.	Coal- inga. ¹	Colton.	Corona.	Emery- ville.	Glen- dale. ¹	Grass Valley.	Han- ford.	Hay- ward.
SEX, COLOR, AND NATIVITY												
Total population, 1910.....	202,809	5,021	2,628	3,750	4,199	3,980	3,540	2,613	2,746	4,520	4,829	2,746
1900.....	98,569		1,456	2,640		1,285	1,434	1,016		4,719	2,929	1,965
Male.....	107,261	2,559	1,413	2,012	2,577	2,124	1,914	1,643	1,340	2,306	2,541	1,370
Female.....	95,548	2,462	1,215	1,738	1,622	1,856	1,626	970	1,406	2,214	2,288	1,376
Native white—Native parentage.....	112,009	3,021	1,199	2,503	3,130	1,845	2,359	917	1,894	1,479	3,001	765
Native white—Foreign or mixed parentage.....	49,485	966	796	681	613	794	561	965	530	1,079	761	1,189
Foreign-born white.....	34,360	933	594	331	397	1,312	604	636	282	989	705	757
Negro.....	1,695	18		53	2	11	15	84			2	2
Indian, Chinese, Japanese, and all other.....	5,260	33	39	182	57	18	1	11	40	71	234	33
MALES OF VOTING AGE												
Total number.....	72,530	1,748	824	1,489	1,955	1,278	1,222	1,141	882	1,471	1,876	859
Native white—Native parentage.....	35,062	901	308	860	1,398	545	740	386	503	276	906	191
Native white—Foreign or mixed parentage.....	13,980	224	205	273	244	143	137	323	158	604	174	261
Foreign-born white.....	18,857	585	273	206	262	575	348	374	130	533	889	377
Naturalized.....	9,352	174	162	117	86	85	79	224	62	400	136	206
Negro.....	579	6		20	1	4	6	50		2	39	2
ILLITERACY												
Total number 10 years old and over.....	170,274	4,287	2,136	3,325	3,528	3,129	2,834	2,218	2,326	3,678	3,971	2,299
Number illiterate.....	6,567	393	30	106	44	898	376	40	20	66	256	168
Native white 10 years old and over.....	130,477	3,255	1,530	2,775	3,085	1,941	2,246	1,499	2,017	2,642	2,987	1,518
Number illiterate.....	707	19	5	1		32	42	3	12	8	49	12
Foreign-born white 10 years old and over.....	33,414	964	567	325	855	1,162	575	626	274	968	664	746
Number illiterate.....	4,813	362	25	26	41	357	330	23	7	38	172	156
Negro 10 years old and over.....	1,426	15		51	1	11	12	82		2	101	2
Number illiterate.....	120			6			4	13			11	
Illiterate males of voting age.....	3,761	331	13	75	43	475	240	20	11	28	130	83
SCHOOL AGE AND ATTENDANCE												
Total number 6 to 20 years, inclusive.....	49,293	1,180	792	794	777	1,106	921	662	630	1,248	1,235	754
Number attending school.....	33,678	864	565	535	396	711	610	370	476	984	796	516
PERSONS 6 TO 14 YEARS, INCLUSIVE.												
Native white, number.....	26,637	652	473	381	432	510	505	334	371	786	600	415
Number attending school.....	23,647	599	435	337	317	459	444	292	330	742	518	390
Foreign-born white, number.....	1,233	31	40	9	17	179	33	13	9	32	51	26
Number attending school.....	1,039	26	38	3	12	115	21	9	8	32	41	26
Negro, number.....	252	2		4	1	2	2	6			28	
Number attending school.....	224	2		4	1	2	2	6			27	
DWELLINGS AND FAMILIES												
Dwellings, number.....	48,664	1,209	620	906	915	867	804	524	725	1,052	1,145	691
Families, number.....	51,395	1,242	639	984	955	1,011	818	722	735	1,105	1,175	717

SUBJECT.	Lodi. ¹	Marys- ville.	Merced.	Mill Valley. ¹	Modes- to.	Monro- via.	Monte- rey.	Napa.	Nevada City.	Ocean Park. ¹	Onta- rio. ¹	Orange.
SEX, COLOR, AND NATIVITY												
Total population, 1910.....	2,697	5,430	3,102	2,551	4,034	3,576	4,923	5,791	2,689	3,119	4,274	2,920
1900.....		3,497	1,909		2,024	1,205	1,748	4,036	3,250		722	1,216
Male.....	1,389	3,541	1,879	1,271	2,201	1,674	3,064	2,905	1,420	1,454	2,231	1,301
Female.....	1,308	1,889	1,223	1,280	1,833	1,902	1,859	2,886	1,269	1,665	2,043	1,529
Native white—Native parentage.....	1,496	2,538	1,460	1,025	2,544	2,336	2,753	2,697	1,052	1,861	2,840	2,031
Native white—Foreign or mixed parentage.....	716	1,253	716	861	868	688	1,145	1,861	1,046	663	745	582
Foreign-born white.....	387	764	715	581	449	417	671	1,112	518	536	581	291
Negro.....	14	185	30		78	121	44	20	2	33	8	
Indian, Chinese, Japanese, and all other.....	84	687	181	84	95	14	310	101	71	28	94	16
MALES OF VOTING AGE												
Total number.....	907	2,886	1,366	886	1,537	1,104	2,318	1,980	930	1,000	1,418	895
Native white—Native parentage.....	436	1,150	530	284	838	671	1,202	776	279	554	862	534
Native white—Foreign or mixed parentage.....	178	568	226	240	349	190	433	516	305	163	181	151
Foreign-born white.....	239	551	449	308	260	205	436	597	287	249	283	145
Naturalized.....	144	228	107	151	125	119	182	347	197	146	155	91
Negro.....	1	68	12		25	25	15	9	1	11	4	
ILLITERACY												
Total number 10 years old and over.....	2,240	4,907	2,049	2,157	3,403	3,020	4,241	4,910	2,261	2,697	3,558	2,445
Number illiterate.....	41	376	319	27	61	66	104	78	14	4	24	27
Native white 10 years old and over.....	1,779	3,343	1,748	1,511	2,812	2,504	3,254	3,679	1,679	2,118	2,891	2,141
Number illiterate.....	4	7	12	1	5	15	40	20	2	3	14	9
Foreign-born white 10 years old and over.....	382	763	697	567	441	405	665	1,099	512	522	565	288
Number illiterate.....	29	72	271	19	24	35	80	53	12	1	9	17
Negro 10 years old and over.....	7	161	26		63	97	36	19	2	31	8	
Number illiterate.....		3	5		3	14	3	4			1	
Illiterate males of voting age.....	28	324	217	15	34	34	68	26	7	2	11	9
SCHOOL AGE AND ATTENDANCE												
Total number 6 to 20 years, inclusive.....	728	909	663	568	929	847	960	1,359	695	665	1,131	788
Number attending school.....	504	482	418	397	589	617	640	910	518	467	829	551
PERSONS 6 TO 14 YEARS, INCLUSIVE.												
Native white, number.....	408	355	305	294	476	438	495	739	413	333	615	451
Number attending school.....	370	281	269	270	392	381	393	677	377	349	571	398
Foreign-born white, number.....	7	2	27	28	12	14	5	20	11	19	24	8
Number attending school.....	3		25	26	8	12	5	18	11	15	20	8
Negro, number.....	6	18	4		12	31	7	1		1	1	
Number attending school.....	6	16	3		8	30	5	1		1	1	
DWELLINGS AND FAMILIES												
Dwellings, number.....	682	902	658	672	906	978	1,085	1,410	661	848	1,136	773
Families, number.....	710	963	676	680	1,017	994	1,125	1,535	707	923	1,173	846

¹ For changes in boundaries, etc., see page 617.

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

SUBJECT.	Oroville. ¹	Oxnard. ¹	Palo Alto.	Petaluma.	Porterville. ¹	Red Bluff.	Redding.	Redondo Beach.	Richmond. ¹	Roseville. ¹	Salinas.	San Leandro. ¹	San Luis Obispo.
SEX, COLOR, AND NATIVITY													
Total population, 1910	3,859	2,555	4,486	5,880	2,696	3,530	3,572	2,935	6,802	2,608	3,736	3,471	5,157
1900			1,658	3,871		2,750	2,946	855			3,304	2,253	3,021
Male	2,328	1,571	2,198	2,886	1,463	1,790	2,005	1,552	4,045	1,599	1,993	1,703	2,788
Female	1,531	984	2,288	2,994	1,233	1,740	1,567	1,383	2,757	1,009	1,743	1,678	2,369
Native white—Native parentage	2,105	907	2,543	2,632	2,078	2,314	2,103	1,870	3,238	1,601	1,827	844	2,940
Native white—Foreign or mixed par.	884	609	1,053	2,027	819	692	806	571	1,771	682	1,111	1,496	1,372
Foreign-born white	532	618	726	1,186	258	373	530	463	1,640	362	623	1,108	707
Negro	33	38	25	2	21	39	114	14	29	9	2	21	17
Ind., Chi., Jap., and all other	305	383	139	33	20	112	19	17	124	54	154	23	121
MALES OF VOTING AGE													
Total number	1,762	1,141	1,462	1,834	966	1,161	1,392	1,087	2,894	1,115	1,335	1,080	1,867
Native white—Native parentage	784	316	734	673	668	708	724	668	1,190	598	521	197	631
Native white—Foreign or mixed par.	360	158	273	529	117	192	274	133	508	203	335	309	469
Foreign-born white	366	334	354	600	157	182	346	262	1,072	259	358	559	424
Naturalized	148	108	198	377	57	113	211	116	427	90	235	279	293
Negro	12	12	10	1	5	7	43	9	13	5	8		10
ILLITERACY													
Total number 10 years old and over	3,388	2,152	3,624	4,888	2,180	2,941	3,041	2,425	5,588	2,135	3,134	2,768	4,301
Number illiterate	92	243	18	83	42	93	59	135	82	13	82	415	78
Native white 10 years old and over	2,557	1,164	2,964	3,682	1,900	2,439	2,405	1,953	3,836	1,720	2,355	1,678	3,470
Number illiterate	2	18	4	9	5	6	5	16	7	1	33	26	47
Foreign-born white 10 years old and over	518	593	710	1,171	246	370	523	441	1,607	353	615	1,067	701
Number illiterate	46	177	10	66	23	34	46	116	72	11	38	389	28
Negro 10 years old and over	24	31	23	2	14	28	97	14	24	8	20		16
Number illiterate	2	3	2		4		7	2	1	1	1		2
Illiterate males of voting age	72	133	7	35	27	48	27	75	45	7	21	217	27
SCHOOL AGE AND ATTENDANCE													
Total number 6 to 20 years, inclusive	819	569	1,025	1,507	675	971	857	633	1,466	570	933	955	1,327
Number attending school	503	379	822	942	437	713	588	412	924	358	704	729	934
PERSONS 6 TO 14 YEARS, INCLUSIVE.													
Native white, number	398	277	532	848	370	578	439	342	815	317	557	558	757
Number attending school	344	263	492	702	265	530	384	204	687	293	497	540	672
Foreign-born white, number	5	46	33	28	12	6	18	24	53	11	11	57	5
Number attending school	4	36	22	23	4	4	16	15	47	11	9	51	4
Negro, number	9	6	2		3	13	19		2	2	4		
Number attending school	9	4	2		4	12	19		1	2	4		
DWELLINGS AND FAMILIES													
Dwellings, number	860	606	1,101	1,510	660	821	767	819	1,504	569	935	851	1,190
Families, number	905	606	1,160	1,566	684	895	828	864	1,577	602	952	887	1,236

SUBJECT.	San Mateo.	San Rafael.	Santa Ana.	Santa Clara.	Santa Monica.	Santa Rosa.	South Pasadena.	Tulare.	Ventura.	Visalia.	Watsonville.	Whittier.	Woodland.
SEX, COLOR, AND NATIVITY													
Total population, 1910	4,384	5,934	8,429	4,348	7,847	7,817	4,649	2,758	2,945	4,550	4,446	4,550	3,137
1900	1,832	3,879	4,933	3,650	3,057	6,673	1,001	2,216	2,470	3,085	3,528	1,690	2,886
Male	2,317	3,181	3,984	2,238	3,775	3,802	2,200	1,502	1,554	2,384	2,282	2,105	1,617
Female	2,067	2,753	4,445	2,110	4,072	4,015	2,449	1,256	1,391	2,166	2,164	2,355	1,570
Native white—Native parentage	1,785	1,912	6,079	1,532	4,662	4,397	3,105	1,078	1,995	3,076	2,147	3,632	1,655
Native white—Foreign or mixed par.	1,450	2,060	1,413	1,623	1,659	1,870	857	397	533	800	1,208	550	670
Foreign-born white	1,031	1,747	884	1,135	1,248	1,318	558	260	345	491	900	331	374
Negro	27	24	38	4	191	12	19	5	21	39	7		93
Ind., Chi., Jap., and all other	91	191	15	49	87	120	110	118	51	144	184	28	86
MALES OF VOTING AGE													
Total number	1,517	2,148	2,581	1,375	2,462	2,504	1,462	984	1,023	1,554	1,495	1,411	1,126
Native white—Native parentage	526	536	1,773	306	1,375	1,273	888	618	583	947	588	1,050	600
Native white—Foreign or mixed par.	374	541	332	338	383	472	226	128	168	218	285	165	206
Foreign-born white	538	932	408	697	576	667	264	146	222	273	516	165	210
Naturalized	338	466	246	287	263	376	149	32	110	129	277	83	152
Negro	7	8	9	2	49	5	3	4	7	14	5		30
ILLITERACY													
Total number 10 years old and over	3,587	5,037	7,192	3,577	6,582	6,617	3,955	2,289	2,456	3,773	3,673	3,807	2,765
Number illiterate	9	416	92	249	122	66	20	176	69	84	255	20	28
Native white 10 years old and over	2,461	3,110	6,304	2,435	5,138	5,207	3,285	1,920	2,057	3,140	2,635	3,453	2,232
Number illiterate	16	23	21	46	11	1	6	35	16	24	6	6	8
Foreign-born white 10 years old and over	1,014	1,720	848	1,089	1,204	1,285	545	250	334	468	885	323	372
Number illiterate	8	335	63	223	59	48	15	95	33	51	187	14	12
Negro 10 years old and over	24	22	27	4	163	11	18	5	16	32	7		79
Number illiterate	1	4	1	12	1	1			2				6
Illiterate males of voting age	5	230	28	116	44	24	12	119	34	29	130	11	15
SCHOOL AGE AND ATTENDANCE													
Total number 6 to 20 years, inclusive	1,068	1,403	2,159	1,256	1,903	1,935	1,047	748	780	1,199	1,153	1,176	788
Number attending school	695	993	1,607	863	1,318	1,270	805	468	512	821	792	993	558
PERSONS 6 TO 14 YEARS, INCLUSIVE.													
Native white, number	584	699	1,168	645	1,078	1,022	606	416	427	631	640	634	418
Number attending school	515	636	1,087	587	946	887	561	348	357	557	572	617	368
Foreign-born white, number	29	40	48	54	57	43	19	10	15	21	16	12	3
Number attending school	27	36	39	51	44	42	14	3	7	17	13	11	3
Negro, number	1	2	6		34				3	2			16
Number attending school	1	1	3		29	1			3	1			13
DWELLINGS AND FAMILIES													
Dwellings, number	987	1,316	2,151	985	2,177	1,934	1,171	677	735	1,013	1,131	1,159	816
Families, number	1,010	1,308	2,321	1,025	2,319	2,070	1,199	684	773	1,086	1,197	1,262	832

¹ For changes in boundaries, etc., see page 617.

STATISTICS OF POPULATION.

TABLE V.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR WARDS (OR ASSEMBLY DISTRICTS) OF CITIES OF 50,000 OR MORE.

LOS ANGELES.

SUBJECT.	THE CITY.	ASSEMBLY DISTRICT.							
		67	69	70	71	72	73	74	75
SEX, COLOR, AND NATIVITY									
Total population, 1910.....	319,198	1,060	25,968	74,851	37,800	38,822	38,023	55,460	47,214
Male.....	162,669	579	13,032	36,608	19,023	18,096	21,921	28,702	24,048
Female.....	156,529	481	12,936	38,243	18,777	20,726	16,102	26,698	22,566
Native white—Native parentage.....	169,967	465	12,344	43,119	18,422	20,985	21,188	28,518	24,896
Native white—Foreign or mixed parentage.....	74,756	256	6,640	17,965	8,831	10,054	7,754	12,583	10,673
Foreign-born white.....	60,584	198	6,427	11,994	7,116	6,647	6,799	11,035	10,368
Negro.....	7,599	22	451	1,409	2,696	656	1,210	579	576
Indian, Chinese, Japanese, and all other.....	6,292	89	106	364	735	480	1,072	2,745	701
FOREIGN-BORN WHITE: Born in—									
Austria.....	2,510	3	208	360	153	174	309	370	933
Canada.....	8,249	19	548	1,083	958	1,097	950	1,338	1,356
Denmark.....	1,096	3	78	366	114	111	161	121	142
England.....	7,575	47	569	1,658	782	820	956	1,445	1,298
France.....	1,914	7	274	290	223	247	206	425	242
Germany.....	9,683	27	666	2,228	1,231	1,557	1,298	1,292	1,324
Hungary.....	819	.....	87	131	55	60	304	86	96
Ireland.....	3,877	5	367	828	450	484	503	695	545
Italy.....	3,802	9	198	631	695	148	130	1,222	769
Mexico.....	5,611	47	1,067	405	873	280	255	1,712	972
Norway.....	1,003	5	104	351	88	110	106	121	120
Russia.....	4,758	1	1,504	368	441	286	426	685	1,047
Scotland.....	1,589	6	113	356	180	194	189	304	247
Sweden.....	3,414	9	210	1,044	396	564	423	362	406
Switzerland.....	828	5	73	211	91	94	102	140	112
Other foreign countries.....	3,856	5	361	784	388	421	481	717	699
MALES OF VOTING AGE									
Total number.....	114,889	381	8,231	24,107	12,862	12,721	18,054	19,338	19,195
Native white—Native parentage.....	57,829	156	3,074	13,039	5,911	6,508	9,955	8,823	9,763
Native white—Foreign or mixed parentage.....	20,228	51	1,504	4,620	2,158	2,746	2,926	3,000	3,223
Foreign-born white.....	29,576	108	2,856	5,763	3,372	2,933	3,780	5,282	5,502
Naturalized.....	14,097	48	1,216	3,223	1,664	1,714	1,927	2,218	2,087
Negro.....	2,671	6	123	439	907	189	538	184	185
ILLITERACY AND SCHOOL ATTENDANCE									
Total number 10 years old and over.....	275,863	863	21,060	62,586	32,299	34,456	35,312	46,292	42,995
Number illiterate.....	6,288	20	899	747	1,145	119	265	1,112	951
Illiterate males of voting age.....	2,270	11	358	320	493	32	131	382	537
Total number 6 to 20 years, inclusive.....	69,036	255	6,855	17,262	9,103	8,430	5,935	12,057	8,230
Number attending school.....	44,995	152	4,536	11,877	6,044	5,634	3,246	8,729	4,777
DWELLINGS AND FAMILIES									
Dwellings, number.....	69,061	292	5,915	19,829	8,612	8,829	5,398	13,320	6,866
Families, number.....	78,678	295	6,304	20,540	9,384	10,120	7,794	14,271	9,910

OAKLAND.

SUBJECT.	THE CITY.	WARD.						
		1	2	3	4	5	6	7
SEX, COLOR, AND NATIVITY								
Total population, 1910.....	150,174	26,977	17,559	13,572	13,262	14,531	15,596	48,677
Male.....	78,222	13,581	8,710	6,891	6,953	7,789	9,801	24,497
Female.....	71,952	13,396	8,849	6,681	6,309	6,742	5,795	24,180
Native white—Native parentage.....	55,198	11,227	6,529	5,334	4,837	6,731	2,488	18,052
Native white—Foreign or mixed parentage.....	49,936	9,002	6,217	4,633	4,464	3,867	4,485	17,268
Foreign-born white.....	36,822	6,315	3,996	3,162	3,149	2,867	5,269	12,374
Negro.....	3,055	195	556	635	85	85	87	427
Indian, Chinese, Japanese, and all other.....	5,163	238	291	166	177	1,261	2,484	556
FOREIGN-BORN WHITE: Born in—								
Austria.....	1,267	83	69	66	261	91	428	239
Canada.....	3,126	549	313	324	286	361	141	1,147
Denmark.....	1,461	246	180	72	69	115	63	696
England.....	3,707	727	433	325	301	335	240	1,346
France.....	1,204	232	209	70	69	83	205	350
Germany.....	5,476	854	593	450	512	440	439	2,188
Greece.....	470	19	32	33	31	51	267	87
Ireland.....	4,160	604	573	401	560	392	502	1,038
Italy.....	3,800	1,444	214	350	113	52	1,051	576
Norway.....	996	188	116	88	53	86	62	403
Portugal.....	3,307	114	401	109	195	32	732	1,724
Russia.....	799	64	100	105	83	43	285	140
Scotland.....	1,322	212	141	120	98	114	105	532
Sweden.....	2,337	431	227	240	258	201	169	820
Switzerland.....	618	93	69	45	35	38	46	292
Other foreign countries.....	2,712	465	285	274	225	180	423	860
MALES OF VOTING AGE								
Total number.....	53,387	9,096	5,936	5,009	5,192	6,113	7,367	15,254
Native white—Native parentage.....	17,046	3,250	1,934	1,773	1,699	2,450	955	4,985
Native white—Foreign or mixed parentage.....	12,783	2,371	1,606	1,360	1,342	1,367	1,066	3,671
Foreign-born white.....	19,334	3,246	2,008	1,662	1,748	1,359	3,217	6,094
Naturalized.....	10,237	1,828	973	966	782	782	1,035	3,369
Negro.....	1,238	70	204	107	291	42	382	142
ILLITERACY AND SCHOOL ATTENDANCE								
Total number 10 years old and over.....	126,914	22,305	15,101	11,946	11,691	13,225	13,268	39,360
Number illiterate.....	3,863	239	310	178	153	102	1,447	1,434
Illiterate males of voting age.....	1,877	104	150	81	73	57	759	693
Total number 6 to 20 years, inclusive.....	34,163	6,013	3,918	2,943	2,592	2,610	3,253	12,824
Number attending school.....	22,253	4,085	2,492	1,902	1,655	1,676	1,832	8,631
DWELLINGS AND FAMILIES								
Dwellings, number.....	31,740	6,338	3,725	2,566	2,473	2,388	2,848	11,402
Families, number.....	36,723	6,864	4,509	3,659	3,031	3,206	3,284	12,170

TABLE V.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR WARDS (OR ASSEMBLY DISTRICTS) OF CITIES OF 50,000 OR MORE—Continued.

SAN FRANCISCO.

SUBJECT.	THE CITY.	ASSEMBLY DISTRICT.							
		28	29	30	31	32	33	34	35
SEX, COLOR, AND NATIVITY									
Total population, 1910.....	416,912	11,373	5,537	7,558	18,787	31,879	44,688	36,970	22,388
Male.....	236,901	10,093	4,284	5,002	13,047	17,023	23,012	18,882	11,690
Female.....	180,011	1,280	1,253	2,556	5,740	14,856	20,776	18,088	10,698
Native white—Native parentage.....	115,359	3,541	1,720	1,908	4,025	6,460	10,002	9,736	6,865
Native white—Foreign or mixed parentage.....	153,781	1,992	1,493	2,548	6,015	14,147	19,255	16,277	9,343
Foreign-born white.....	130,874	5,748	2,219	2,954	8,285	11,100	15,279	10,808	5,992
Negro.....	1,642	25	27	43	141	55	95	72	24
Indian, Chinese, Japanese, and all other.....	15,256	67	78	105	321	117	57	77	164
FOREIGN-BORN WHITE: Born in—									
Austria.....	4,641	220	90	136	420	290	404	293	160
Canada.....	6,161	189	73	104	203	286	545	651	420
Denmark.....	3,118	264	47	64	296	294	293	331	178
England.....	9,815	392	142	178	498	555	986	924	593
Finland.....	1,846	404	20	25	201	250	247	119	14
France.....	6,244	135	82	119	136	742	404	256	188
Germany.....	24,137	814	382	477	1,082	2,026	2,539	2,288	1,309
Greece.....	2,274	254	339	343	362	196	73	18	92
Ireland.....	23,151	831	499	704	1,621	2,413	3,030	2,688	1,414
Italy.....	16,918	166	37	123	917	1,349	2,493	503	306
Norway.....	3,769	641	37	43	486	288	408	408	177
Russia.....	4,640	196	72	118	178	533	640	209	143
Scotland.....	3,668	157	38	62	395	424	415	375	216
Sweden.....	6,969	676	121	78	573	602	972	1,024	268
Switzerland.....	2,587	58	28	37	69	223	505	101	144
Other foreign countries.....	10,936	351	212	283	848	619	1,115	530	400
MALES OF VOTING AGE									
Total number.....	175,951	9,489	3,672	4,048	10,452	10,956	14,311	12,475	8,406
Native white—Native parentage.....	41,610	2,074	1,064	967	2,007	1,372	2,393	2,327	1,046
Native white—Foreign or mixed parentage.....	46,740	1,275	807	954	1,943	3,481	4,008	4,405	3,102
Foreign-born white.....	75,768	5,178	1,731	1,987	6,088	6,003	7,917	5,666	3,235
Naturalized.....	36,375	1,366	788	827	2,366	3,087	4,024	3,474	1,015
Negro.....	831	21	13	20	108	15	31	26	7
ILLITERACY AND SCHOOL ATTENDANCE									
Total number 10 years old and over.....	362,826	11,056	5,102	6,748	16,608	25,654	34,736	31,115	19,539
Number illiterate.....	7,697	145	103	148	203	654	978	309	189
Illiterate males of voting age.....	3,521	98	74	93	145	281	424	126	75
Total number 6 to 20 years, inclusive.....	85,368	724	718	1,242	3,424	8,827	12,401	9,259	4,798
Number attending school.....	50,128	246	333	657	1,848	5,716	7,805	5,709	2,874
DWELLINGS AND FAMILIES									
Dwellings, number.....	65,025	600	474	935	2,679	5,740	9,525	6,719	3,772
Families, number.....	36,414	751	694	1,448	3,194	6,900	10,299	8,529	5,240

SUBJECT.	ASSEMBLY DISTRICT.									
	36	37	38	39	40	41	42	43	44	45
SEX, COLOR, AND NATIVITY										
Total population, 1910.....	12,844	35,250	27,985	51,564	23,075	25,372	8,810	9,379	21,307	22,206
Male.....	7,433	17,432	15,187	27,147	11,714	12,494	4,790	5,147	16,872	14,703
Female.....	5,411	17,768	12,738	24,417	11,361	12,878	4,020	4,232	4,435	7,503
Native white—Native parentage.....	3,788	11,349	8,467	18,451	6,464	7,193	3,512	4,277	3,843	3,768
Native white—Foreign or mixed parentage.....	5,052	14,619	10,148	19,351	7,937	9,755	3,010	2,889	2,653	7,297
Foreign-born white.....	3,930	8,766	8,462	13,050	6,491	7,457	2,022	2,009	5,379	10,923
Negro.....	16	35	62	144	168	246	24	68	282	125
Indian, Chinese, Japanese, and all other.....	58	481	796	568	2,015	721	242	136	9,150	103
FOREIGN-BORN WHITE: Born in—										
Austria.....	199	286	480	351	274	189	81	145	254	270
Canada.....	215	703	537	919	305	280	200	196	161	84
Denmark.....	149	184	151	313	116	129	39	29	121	120
England.....	352	910	777	1,431	625	514	253	218	323	104
Finland.....	21	59	34	83	66	77	8	17	58	143
France.....	87	262	377	603	528	489	243	230	779	524
Germany.....	800	2,282	2,150	2,984	1,740	1,366	403	340	687	408
Greece.....	63	35	120	86	81	18	20	13	94	63
Ireland.....	821	1,769	1,042	2,882	1,012	1,212	273	188	380	312
Italy.....	248	289	258	543	209	1,898	80	194	593	6,712
Norway.....	82	153	102	215	67	103	22	21	187	269
Russia.....	158	388	937	380	360	65	57	30	103	73
Scotland.....	120	291	238	408	127	144	77	45	96	40
Sweden.....	222	289	248	629	256	279	64	39	360	260
Switzerland.....	127	130	128	241	84	160	33	39	194	195
Other foreign countries.....	266	736	883	982	551	534	160	265	989	1,212
MALES OF VOTING AGE										
Total number.....	5,873	12,918	11,985	19,602	9,249	8,651	4,136	4,394	14,938	10,813
Native white—Native parentage.....	1,498	3,379	3,272	6,269	2,109	2,000	1,553	2,040	2,571	1,869
Native white—Foreign or mixed parentage.....	1,874	4,761	3,490	6,063	2,506	2,663	1,239	1,150	1,460	1,621
Foreign-born white.....	2,459	4,417	4,612	6,776	3,156	3,340	1,151	1,053	4,246	6,769
Naturalized.....	1,288	2,672	2,266	4,402	1,725	1,699	599	475	1,276	1,656
Negro.....	9	8	81	68	84	88	9	28	188	77
ILLITERACY AND SCHOOL ATTENDANCE										
Total number 10 years old and over.....	11,492	31,714	25,650	44,304	21,127	22,067	8,337	8,705	20,251	18,531
Number illiterate.....	79	248	434	478	381	476	32	91	748	1,933
Illiterate males of voting age.....	32	89	209	162	222	213	20	38	320	900
Total number 6 to 20 years, inclusive.....	2,260	7,081	4,861	10,350	4,023	5,539	1,035	1,144	2,388	5,294
Number attending school.....	1,187	4,374	2,532	6,624	2,344	3,372	486	608	1,016	2,307
DWELLINGS AND FAMILIES										
Dwellings, number.....	1,691	4,861	3,575	10,255	3,326	4,793	832	1,070	1,413	2,765
Families, number.....	2,805	8,066	5,736	11,865	4,504	5,640	1,757	2,058	3,160	3,708

NOTES REGARDING CHANGES IN BOUNDARIES, ETC.

COUNTIES.

COLUSA.—Part taken to form Glenn in 1891.
 DEL NORTE.—Part annexed to Siskiyou between 1880 and 1890.
 FRESNO.—Part taken to form Madera in 1893 and part annexed to Kings in 1909.
 GLENN.—Organized from part of Colusa in 1891.
 HUMBOLDT.—Part of Klamath annexed in 1874.
 IMPERIAL.—Organized from part of San Diego in 1907. (See also Note 1.)
 KINGS.—Organized from part of Tulare in 1893 and part of Fresno annexed in 1909.
 LAKE.—Part annexed to Napa in 1872.
 LOS ANGELES.—Part taken to form Orange in 1889.
 MADERA.—Organized from part of Fresno in 1893.
 MODOC.—Organized from part of Siskiyou in 1874.
 MONTEREY.—Part taken to form San Benito in 1874.
 NAPA.—Part of Lake annexed in 1872.
 ORANGE.—Organized from part of Los Angeles in 1889.
 RIVERSIDE.—Organized from parts of San Bernardino and San Diego in 1893.
 SAN BENITO.—Organized from part of Monterey in 1874.
 SAN BERNARDINO.—Part taken to form part of Riverside in 1893.
 SAN DIEGO.—Part taken to form part of Riverside in 1893; part taken to form Imperial in 1907. (See also Note 1.)
 SANTA BARBARA.—Part taken to form Ventura in 1871.
 SISKIYOU.—Part taken to form Modoc in 1874; part of Klamath annexed in 1874 and part of Del Norte annexed between 1880 and 1890.
 TULARE.—Part taken to form Kings in 1893.
 VENTURA.—Organized from part of Santa Barbara in 1871.

INCORPORATED PLACES.

ALHAMBRA.—Incorporated in 1903.
 BAKERSFIELD.—Part of township 3 (Korn City) annexed in 1909.

BERKELEY.—Parts of Oakland township annexed in 1906 and 1908.
 COALINGA.—Incorporated in 1906.
 FRESNO.—Part of township 3 annexed in 1910.
 GLENDALE.—Incorporated in 1906.
 LODI.—Incorporated in 1906.
 LOS ANGELES.—Parts of Ballona, Burbank, Cahuenga, and San Antonio townships annexed between 1890 and 1900; part of Ballona township annexed in 1906; part of Wilmington township (including San Pedro city) annexed in 1909, and parts of Burbank and Cahuenga townships annexed in 1910.
 MILL VALLEY.—Incorporated in 1900.
 OAKLAND.—Parts of Brooklyn and Oakland townships annexed in 1909.
 OCEAN PARK.—Incorporated in 1904.
 ONTARIO.—Part of Ontario township annexed in 1901.
 OROVILLE.—Incorporated in 1906.
 OXNARD.—Incorporated in 1903.
 PASADENA.—Parts of Pasadena township annexed in 1904 and 1906.
 PORTERVILLE.—Incorporated in 1902.
 RICHMOND.—Incorporated in 1908.
 ROSEVILLE.—Incorporated in 1909.
 SAN LEANDRO.—Part of Brooklyn township annexed in 1909.

NOTE 1.—*Imperial and San Diego Counties combined.*—Total population: 1910, 75,256; 1900, 35,090; increase, 1900-1910, 40,166; per cent of increase, 114.5. Urban population—1910, 39,578; same places in 1900, 17,700; per cent of increase, 123.6. Rural population—1910, 35,678; same territory in 1900, 17,390; per cent of increase, 105.2. Urban population—1900, 17,700; rural population—1900, 17,390. Per cent in places of 2,500 or more in 1910, 52.6. Per cent in places of 2,500 or more in 1900, 50.4.

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: Humboldt, 1,112; Mendocino, 599; Riverside, 203; San Diego, 817; Tulare, 143.

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CHAPTER 3.

STATISTICS OF AGRICULTURE FOR THE STATE AND ITS COUNTIES.

Introduction.—This chapter presents a complete statement of the statistics of agriculture for California 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 land owner 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.

PER CENT OF LAND AREA IN FARMS, AND AVERAGE VALUE OF FARM LAND PER ACRE, IN CALIFORNIA, BY COUNTIES: 1910.

PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 28.]

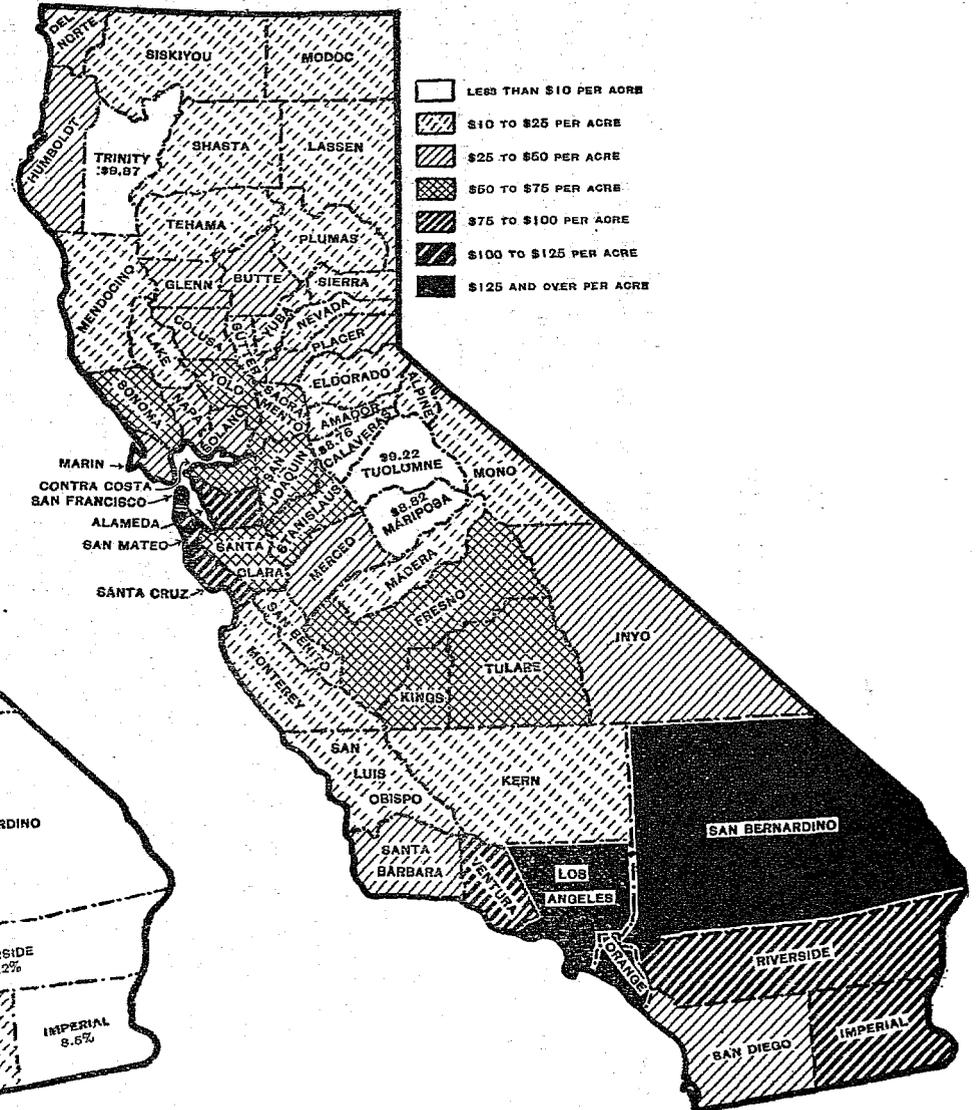
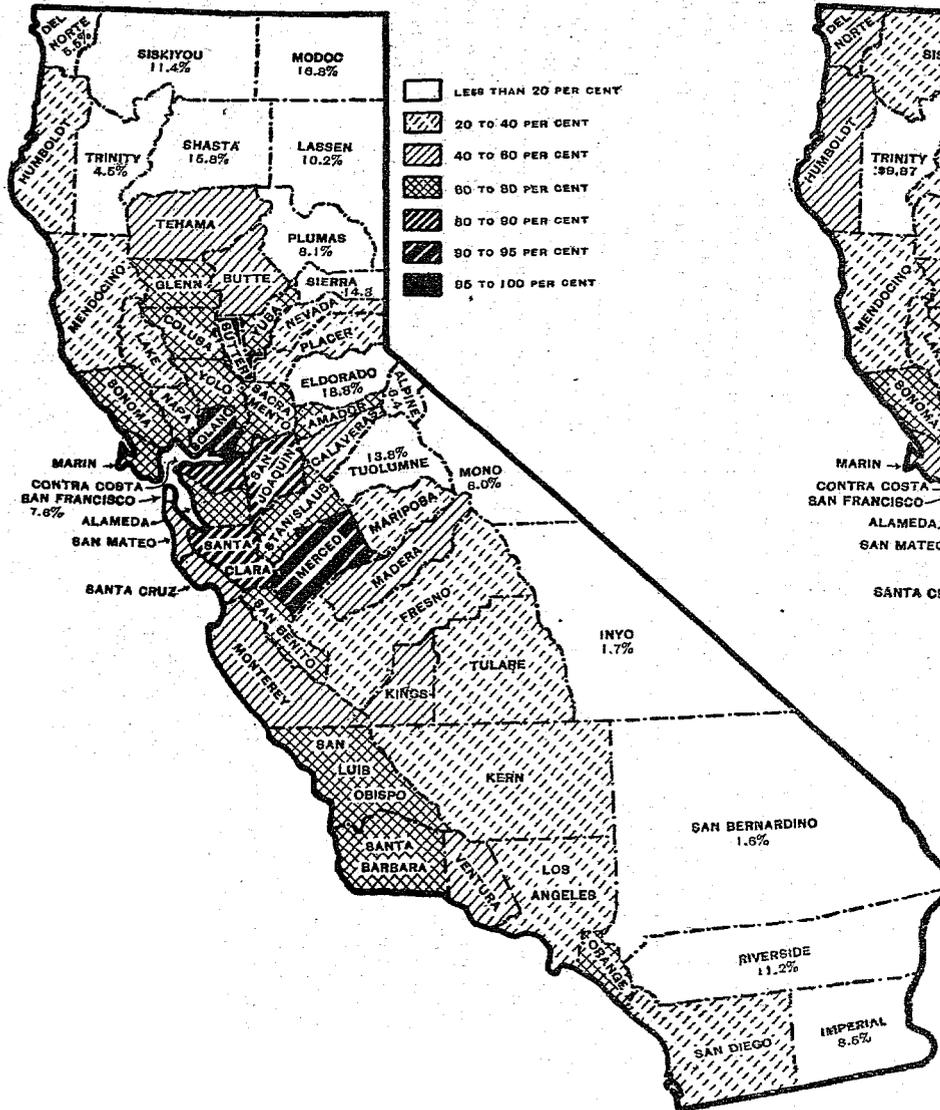
The per cent of land area in farms, when less than 20, is inserted under the county name.

AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, \$47.16.]

When the value is less than \$10 per acre, it is inserted under the county name.

(320)



FARMS AND FARM PROPERTY.

California ranks second in land area and twelfth in population among the states and territories of continental United States. The state is extremely diversified, both topographically and agriculturally. The elevation ranges from sea level along the western coast and in portions of the interior valleys to altitudes in excess of 14,000 feet in the Sierra Nevada Mountains. The rugged masses of the Coast Range Mountains practically parallel the entire coast of the state. From the vicinity of San Francisco southward to San Diego there are deep mountain valleys and low, sloping, or nearly level Coastal Plain areas. The soils of these areas range from heavy claylike "adobe" soils to sandy and gravelly loams.

The great central valley of California lies between the Coast Range and the Sierra Nevada Mountains. The northern portion of this valley constitutes the basin of the Sacramento River, while the southern portion constitutes the basin of the San Joaquin. The valley is everywhere practically uniform as regards its physical features. The soils immediately along the rivers are usually heavy clays and clay loams, constituting the overflow land and river flood plains. These are bordered along the foothills by loams, adobes, sandy loams, and sandy and gravelly soils, giving great variety in soil characteristics and in resultant crop adaptation. There is practically no agriculture within the Sierra Nevada Ranges aside from grazing. The portion of the state to the east of this region lies principally within the Great Basin, and mountain chains are interspersed with valleys whose floors are gravelly and sandy soils. These are practically undeveloped for agricultural purposes. In the portion of this region in the extreme northern part of the state the soil is largely composed of lavas and volcanic ash from numerous extinct volcanic craters. Within this region certain valleys are being reclaimed for agricultural uses. In the extreme southern portion of the state is a deep arid valley, some portions of which are below sea level. The soils are clays, sands, and sandy loams.

The normal annual rainfall of the state ranges from 2 or 3 inches in the southeast corner to 60 inches in the northwest corner. Except in the southeastern part of the state there is sufficient rainfall for raising grain crops without irrigation, but irrigation is practiced to some extent throughout the state.

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. Over one-fourth (28 per cent) of the state's entire land area is in farms. The first

map shows that in 17 counties the proportion is less than 20 per cent. Eight of these counties form a contiguous group in the eastern and southeastern part of the state, 8 are in a group in the northern part, and 1, San Francisco County, is at the Golden Gate. In 11 counties scattered throughout the state the proportion is between 20 and 40 per cent; in 9, between 40 and 60 per cent; and in 15, between 60 and 80 per cent. In Merced and Solano Counties, in the west central part of the state, the proportion is between 90 and 95 per cent, while in Sutter, north of Sacramento and Yolo, it exceeds 95 per cent.

The average value of farm land per acre for the state as a whole is \$47.16, and, as shown by the second map, in only 4 counties—Trinity, Tuolumne, Calaveras, and Mariposa—is the average value less than \$10. Scattered over the state are 20 counties in which the average is between \$10 and \$25 per acre, and 14 in which it is between \$25 and \$50. The average is between \$50 and \$75 per acre in 10 counties which lie in the central and west central parts of the state; and between \$75 and \$100 in 5, 2 of which are located in the west central part and 3 in the southern part. In San Mateo County, in the west central part, the average value is between \$100 and \$125, and in San Francisco County, and in 3 counties—Los Angeles, San Bernardino, and Orange—in the southern part of the state the average is over \$125. These high values are due in part to the proximity of large cities, and in part to the large acreage in orchards. In explanation of the high average values in San Bernardino County it may be noted that only 1.6 per cent of the land area is occupied by farms and that the farm land which lies mainly in the southwestern corner of the county is devoted almost exclusively to orange culture.

Progress during the decade 1900 to 1910.—Between 1900 and 1910 there was an increase of 21.6 per cent in the number of farms, as compared with an increase of 60.1 per cent in the population. During the same time the acreage of farm land apparently decreased, the total farm acreage 897,507 acres, or 3.1 per cent, and the improved acreage 568,943 acres, or 4.8 per cent. The average size of farms decreased 20.3 per cent. The apparent falling off in farm acreage is due, at least in part, as explained in the discussion following the next table, to errors in the Twelfth Census tabulation.

During the last decade farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), in-

creased in value \$818,167,000, or 102.7 per cent. This total increase is made up of increases of \$742,689,000 in the value of land and buildings, \$60,297,000 in the value of live stock, and \$15,181,000 in the value of implements and machinery. 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 fully equipped farm is \$18,308, an increase of \$7,328 as compared with the average in 1900. The average value per acre of land alone rose from \$21.87 in 1900 to \$47.16 in 1910.

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. ¹	
			Amount.	Per cent.
Population.....	2,377,549	1,485,053	892,496	60.1
Number of all farms.....	88,197	72,542	15,655	21.6
Approximate land area of the state..... acres..	99,617,280	99,898,880	² -281,600	.....
Land in farms..... acres..	27,931,444	28,828,951	-897,507	-3.1
Improved land in farms..... acres..	11,389,894	11,958,837	-568,943	-4.8
Average acres per farm.....	316.7	397.4	-80.7	-20.3
Value of farm property: Total.....	\$1,614,694,584	\$796,527,955	\$818,166,629	102.7
Land.....	1,317,195,448	630,444,960	686,750,488	103.9
Buildings.....	133,406,040	77,468,000	55,938,040	72.2
Implements and machinery.....	36,493,158	21,311,670	15,181,488	71.2
Domestic animals, poultry, and bees.....	127,599,938	67,303,325	60,296,613	89.6
Average value of all property per farm.....	\$18,308	\$10,980	\$7,328	66.7
Average value of land per acre.....	\$47.16	\$21.87	\$25.29	115.6

¹ A minus sign (-) denotes decrease.

² Due to the formation of the Salton Sea.

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 89 such ranges included as farms.

Irrigation.—Of the 88,197 farms in the state, 39,352, or 44.6 per cent, were irrigated in 1909. The acreage reported as irrigated in 1909 was 2,664,104 acres, or 23.4 per cent of the improved land in farms. The area to which enterprises existing in 1910 were capable of supplying water was 3,619,378 acres, and the total acreage included in irrigation projects, completed or under way, in 1910 was 5,490,360 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.

CENSUS YEAR.	Popu- lation.	FARMS.		LAND IN FARMS.			Per cent of land area in farms.	Per cent of farm land im- proved.
		Num- ber.	Per cent of in- crease.	All land.		Improved land (acres).		
				Acres.	Per cent of in- crease. ¹			
1910....	2,377,549	88,197	21.6	27,931,444	-3.1	11,389,894	28.0	40.8
1900....	1,485,053	72,542	37.1	28,828,951	34.5	11,958,837	28.9	41.5
1890....	1,213,398	52,894	47.2	21,427,293	29.1	12,222,839	21.5	57.0
1880....	864,094	35,934	51.5	16,593,742	45.2	10,669,698	16.7	64.3
1870....	560,247	23,724	26.8	11,427,105	30.9	6,218,133	11.5	54.4
1860....	379,994	18,716	2,046.3	8,730,034	124.2	2,468,034	8.8	28.3
1850....	92,697	872	.....	3,893,985	.....	32,454	3.9	0.8

¹ A minus sign (-) denotes decrease.

In the 60 years since 1850 the population of the state has increased from 92,697 to 2,377,549 and is now about twenty-six times as large as 60 years ago. The absolute increase during the last decade was more than twice as great as that during any other.

The number of farms in California in 1910 was 88,197, which represents an increase of 15,655 during the last decade, as compared with an increase of 19,648 during the decade immediately preceding. In 1850 there were only 872 farms in the state, but in 1860 the number had risen to 18,716. Since that date the increase has been continuous and fairly uniform.

The land area of California is approximately 99,617,280 acres. The part of this area occupied by farms increased continuously from 3,893,985 acres in 1850 to 28,828,951 acres in 1900, but suffered an apparent decrease during the last decade to 27,931,444 acres in 1910. The area of improved land increased from 32,454 acres in 1850 to 12,222,839 acres in 1890, but during the last two decades decreases have been reported, the improved acreage falling to 11,958,837 in 1900 and to 11,389,894 in 1910.

Between 1850 and 1880 the increase in the improved acreage was much greater relatively than the increase in the total farm acreage. Thus the percentage of farm land improved was very much higher in 1880 than in 1850, being 64.3 per cent in 1880, as compared with only eight-tenths of 1 per cent at the earlier date. During the 10 years between 1880 and 1890, however, the total farm acreage made the greater relative as well as the greater absolute increase, while from 1890

to 1900 the total farm acreage showed large increases, both absolute and relative, and the improved acreage showed decreases. The percentage of farm land improved was higher in 1880 than in any other year shown in the table. The decrease in the percentage of improved land probably represents a change in the classification of land by many farmers, who in 1910 reported as "unimproved land" a large amount of acreage which they formerly called "improved." The percentage reported as improved in 1910 (40.8 per cent) is almost the same as that in 1900 (41.5), the decrease in improved acreage during the decade having been relatively about the same as the decrease in total acreage.

The falling off in total and in improved farm acreage is especially noticeable in the central valley of the state, extending from Tehama County in the north to Orange County in the south, inclusive. An error has been discovered in the total farm acreage reported for Merced, Orange, and Sacramento Counties as published in the census reports for 1900, whereby these counties were together credited with 377,091 acres too much. Eliminating this error a decrease is still shown of 520,416 acres, or 1.8 per cent in the total farm acreage of the state. This decline is probably more apparent than real. For example, certain tracts included in forest reserves in 1910 were reported as farm land in 1900, although probably used for grazing

purposes at both censuses. During the decade the land in such reserves increased approximately from 9,000,000 to 28,000,000 acres. It is worthy of note, however, that during the 10 years a remarkable decline occurred in wheat farming in California. The acreage reported as in wheat decreased from 2,683,405 in 1899 to 478,217 in 1909, a decrease of 2,205,188, or 82.2 per cent.

The falling off in improved acreage could be partly accounted for by the decrease in wheat acreage as noted above. Inasmuch as the decrease in wheat acreage was nearly four times as great as the decrease in the aggregate improved acreage, the acreage of such improved farm land as was utilized other than for the raising of wheat increased appreciably during the decade. In fact it is probable that this increase was more than great enough to offset the decrease in the wheat acreage, and that this fact would appear in the table but for the change in the classification of land by many farmers which has already been referred to, these farmers in 1910 reporting as "unimproved land" considerable acreage of the same character and used for the same purposes as that which they formerly reported as "improved."

Values of farm property: 1850 to 1910.—The agricultural changes in California 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.....	\$1,614,694,584	102.7	\$1,450,601,488	104.9	\$36,493,158	71.2	\$127,599,938	89.6
1900.....	796,527,955	2.5	707,912,960	1.5	21,311,670	45.1	67,303,325	2.6
1890.....	777,381,767	149.2	697,116,630	166.0	14,689,710	73.9	1,05,575,427	58.0
1880.....	311,997,443	69.1	262,051,282	85.5	8,447,744	58.9	41,498,417	9.3
1870.....	184,521,470	112.4	141,240,028	189.9	5,316,690	107.8	37,964,752	6.7
1860.....	86,870,327	1,085.4	48,726,804	1,157.8	2,558,508	2,372.4	35,585,017	961.9
1850.....	7,328,582	.....	3,874,041	.....	103,483	.....	3,361,058	.....

¹ Includes estimated value of range animals.

The total wealth in the form of farm property is \$1,614,695,000, of which 89.8 per cent is contributed by land and buildings, 7.9 per cent by live stock, and 2.3 per cent by implements and machinery.

The value of land and buildings is \$1,450,601,000, being a little more than double that for 1900. In 1850 the value was only \$3,874,000, and has increased continuously during the whole period covered by the table. A continuous increase has occurred also in the values of live stock and of implements and machinery. In all three classes the absolute gain during the last 10 years has been much greater than that during any other decade covered by the table.

In general, the value of live stock has formed a decreasing percentage of the value of all farm property, being only 7.9 per cent in 1910, compared with 20.6 per cent in 1870 and with 45.7 per cent in 1850.

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 California 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. ¹				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	316.7	\$18,308	\$18,447	\$414	\$1,447	\$51.93
1900.....	397.4	10,950	9,759	294	828	24.56
1890.....	405.0	14,697	13,130	278	1,240	32.53
1880.....	461.8	8,633	7,293	235	1,155	15.79
1870.....	481.7	7,778	5,958	224	1,600	12.36
1860.....	466.4	4,642	2,603	187	1,901	6.58
1850.....	4,405.6	8,404	4,443	119	3,843	0.99

¹ Averages are based on "all farms" in state.
² Includes estimated value of range animals.

One striking characteristic of California is the great area of semiarid land utilized for grazing purposes only or left unutilized. Upon such lands are located many very large farms or ranches, and these explain in large measure the high average acreage per farm. Farms other than those used almost exclusively for grazing are not, on the average, unusually large, as compared with the average in other states. The average size of the California farm is 316.7 acres. The average decreased from 4,465.6 acres in 1850 to 466.4 acres in 1860 and then increased to 481.7 acres in 1870, since which time it has decreased continuously.

The average value of a California farm including its equipment is \$18,308, of which \$16,447 represents the value of land and buildings, \$1,447 that of live stock, and \$414 that of implements and machinery. Although the total value of live stock increased continuously during the 60 years covered by the table, the average value per farm (\$3,843) was greater in 1850 than in any later census year. This condition was due to the fact that the live stock ranches of the state were developed before the period of general farming. The present average value per farm of all farm property shows an increase, as compared with the average value in 1900 (\$10,980), which has been more than sufficient to offset the marked decrease shown for the preceding decade.

The average value of land and buildings per farm is \$16,447, while the average value per acre is \$51.93. During the last decade the average value per acre more than doubled and the average value per farm increased more than two-thirds, while during the decade 1890-1900 a considerable decrease occurred in each item. It is noteworthy that notwithstanding the decrease in the size of farms throughout most of the period covered by the table, the value of implements and machinery per farm has continuously risen, the greatest increase occurring during the last decade, when the average value per farm advanced from \$294 to \$414.

Farm tenure: 1880 to 1910.—The number of all farms, and therefore of all farm operators, is 88,197. Of the operators, 66,632 are classified as owners, 3,417 as managers, and 18,148 as tenants. Of the 66,632 owners, 56,500 operate land owned exclusively by them, while 10,132 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 6,135 are share tenants; 704, share-cash tenants; 9,737, cash tenants; and for 1,572 no report relative to character of tenure was secured.

In 1880, 7,124, or 19.8 per cent, of the farm operators were tenants; in 1910 the number was 18,148, or 20.6 per cent. Thus the present proportion of tenancy is practically the same as in 1880. There was, however, a decided increase in this proportion from 1890, when it was 17.8 per cent, to 1900, when it was 23.1 per cent, followed by a considerable decrease during the last

decade. During this decade the absolute increase in the number of tenants was 1,388. The percentage of tenants for the state (20.6) is above the average for the Pacific division (17.2), but low in comparison with the percentage for the United States as a whole (37).

For the sake of comparison with the figures for earlier censuses the share and share-cash tenants reported in 1910 may be grouped together, and likewise the cash tenants and those for whom the form of tenancy was not stated. Throughout the whole period the cash group has constituted an increasing proportion of the total number of all tenants, being smaller than the share group in 1880 and 1890 and larger in 1900 and in 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.....	88,197	72,542	52,894	35,934
Farms operated by owners and managers.....	70,049	55,782	43,489	28,310
Farms consisting of owned land only.....	56,500	44,818	(1)	(1)
Farms consisting of owned and hired land.....	10,132	8,211	(1)	(1)
Farms operated by managers.....	3,417	3,253	(1)	(1)
Farms operated by tenants.....	18,148	16,760	9,405	7,124
Share tenants.....	6,135	7,686	4,831	3,615
Share-cash tenants ²	704			
Cash tenants.....	9,737	9,074	4,574	3,200
Tenure not specified ³	1,572			
Per cent of farms operated by—				
Owners and managers.....	79.4	76.9	82.2	80.2
Tenants.....	20.6	23.1	17.8	19.8
Share and share-cash.....	7.8	10.6	9.1	10.0
Cash and nonspecified.....	12.8	12.5	8.7	8.9

¹ Not reported separately.

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

³ Prior to 1910 nonspecified tenants were included with cash tenants.

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
Total.....	27,931,444	28,828,951	11,389,894	11,958,837	\$1,450,601,488	\$707,912,960
Owners.....	15,125,339	15,189,945	6,464,472	6,718,790	882,447,830	413,616,770
Managers.....	6,604,972	7,002,038	1,728,625	1,602,536	229,544,415	124,594,000
Tenants.....	6,201,133	6,636,968	3,196,797	3,637,511	338,609,243	169,732,190

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
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	75.5	72.4	54.2	52.7	56.8	56.2	60.8	68.4
Managers.....	3.9	4.5	23.6	24.3	15.2	13.4	15.8	17.6
Tenants.....	20.6	23.1	22.2	23.0	28.1	30.4	23.3	24.0

It will be seen that in 1910, 54.2 per cent of all land in farms was in farms operated by their owners (including part owners), 23.6 per cent in farms operated by managers, and 22.2 per cent in farms operated by tenants, the percentage for owners being higher and that for managers and for tenants lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (1,933 acres) was considerably more than five and one-half times as great as that of farms operated by tenants (341.7 acres), which was in turn about one and one-half times as great as that of farms operated by owners (227 acres). The average size of each class of farms decreased between 1900 and 1910. 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.		1910	1900	Per farm.		Per acre.	
	1910	1900	1910	1900			1910	1900	1910	1900
Total.....	318.7	397.4	129.1	164.8	40.8	41.5	\$16,447	\$9,759	\$51.93	\$24.56
Owners.....	227.0	289.2	97.0	127.9	42.7	44.2	13,244	7,874	58.34	27.23
Managers.....	1,933.0	2,152.5	505.9	492.6	20.2	22.9	67,177	35,292	34.75	17.70
Tenants.....	341.7	398.0	178.1	217.0	51.0	54.8	18,658	10,127	54.60	25.57

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. ¹		OWNED FARM HOMES.		OWNED FARM HOMES. ²	
	1910		1900		1890	
	Number.	Per cent. ³	Number.	Per cent. ³	Number.	Per cent.
Total.....	66,632	—	51,093	—	42,252	—
Free from mortgage.....	39,368	59.5	33,020	67.8	28,520	67.5
Mortgaged.....	26,749	40.5	15,979	32.2	13,732	32.5
Unknown.....	515	—	1,494	—	—	—

¹ Includes all farms owned in whole or in part by the operator.
² The 1,214 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.
³ 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 66,632. Of this number, 39,368 were reported as free from mortgage; 26,749 were reported as mortgaged; and for 515 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 40.5 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is considerably higher than it was in 1900 and 1890. 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 from 1890 to 1900 there was a greater absolute increase in the number of farms free from mortgage than in the number mortgaged. During the last decade, however, the greater increase occurred in the number mortgaged, the increase in the latter being 10,770 and that in the number free from mortgage 5,748.

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 26,749 farms reported as mortgaged, 22,146 are wholly owned by the farmers, and for 21,430 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. ¹	
	1910 ²	1890 ³	Amount.	Per cent.
Number.....	21,430	13,732	—	—
Value—Land and buildings.....	\$250,139,190	\$154,256,806	—	—
Amount of mortgage debt.....	\$90,036,000	\$40,767,537	—	—
Per cent of debt to value.....	24.0	30.3	—	—
Average value per farm.....	\$11,675	\$11,233	\$442	3.9
Average debt per farm.....	\$2,802	\$3,406	-\$604	-17.7
Average equity per farm.....	\$8,873	\$7,827	\$1,046	13.4

¹ A minus sign (—) denotes decrease.
² Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.
³ 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 decreased in the 20-year period from \$3,406 to \$2,802, or 17.7 per cent, while the average value of such farms rose from \$11,233 to \$11,675, or 3.9 per cent. Thus the owner's equity increased from \$7,827 to \$8,873, or 13.4 per cent. As a result of the greater relative increase in the total farm value than in the total farm debt, the mortgage indebtedness, which was 30.3 per cent of the value of the mortgaged farm in 1890, fell to 24 per cent in 1910.

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

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total.....	88,197	72,542	15,655	21.6	100.0	100.0
Under 3 acres.....	1,269	1,492	-223	-14.9	1.4	2.1
3 to 9 acres.....	9,324	5,354	3,970	74.2	10.6	7.4
10 to 19 acres.....	11,932	8,236	3,696	44.9	13.5	11.4
20 to 49 acres.....	20,614	13,110	7,504	57.2	23.4	18.1
50 to 99 acres.....	10,680	8,067	2,613	32.4	12.1	11.1
100 to 174 acres.....	12,015	13,196	-1,181	-8.9	13.6	18.2
175 to 259 acres.....	4,689	4,635	54	1.2	5.3	6.4
260 to 499 acres.....	7,862	8,370	-508	-6.1	8.9	11.5
500 to 999 acres.....	5,119	6,329	-210	-3.9	5.8	7.3
1,000 acres and over....	4,093	4,753	-660	-1.3	5.3	6.5

¹ A minus sign (-) denotes decrease.

Of all the farms in California, 23.4 per cent are from 20 to 49 acres in size, 13.6 per cent from 100 to 174 acres, 13.5 per cent from 10 to 19 acres, and 12.1 per cent from 50 to 99 acres. Thus over three-fifths of all the farms in the state are from 10 to 174 acres in size. About one-fourth are of 175 acres or more. A study of the distribution of farms by size groups discloses the fact that between 1900 and 1910 the greatest absolute gain (7,504) occurred in those from 20 to 49 acres in size, while the greatest relative gain (74.2 per cent) took place in those from 3 to 9 acres. The number of places reported as farms of "under 3 acres" decreased 223, and now represents but 1.4 per cent of the total number of farms. This falling off may be due to a different interpretation made by the enumerators as to what constitutes a small farm, or may represent an actual decrease in the number of farms of that type.

Each of the five groups of farms of 100 acres and over shows a decrease, with the exception of the "175 to 259 acre" group, which group, although increasing in number, constituted a smaller proportion of all farms in 1910 than in 1900. An increase is reported for each of the groups embracing farms of from 3 to 99 acres. This increase in the relative number of the smaller farms in conjunction with the decline in aggregate farm acreage during the decade indicates a tendency to subdivide the large farms into smaller ones.

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

22,525), and also the farms of between 175 and 499 acres (numbering 12,551):

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total.....	27,931,444	28,828,951	11,389,894	11,958,837	\$1,450,601,488	\$707,912,960
Under 20.....	200,822	144,439	189,679	132,385	133,881,517	83,390,550
20 to 49.....	625,954	385,844	568,296	339,866	192,790,074	70,070,890
50 to 99.....	752,951	578,102	600,140	423,059	149,394,265	69,248,950
100 to 174.....	1,708,459	1,946,423	972,519	951,867	161,032,374	74,150,220
175 to 499.....	3,816,708	3,998,456	2,226,957	2,266,008	271,773,253	127,743,720
500 to 999.....	3,535,698	3,085,027	1,846,502	2,030,223	164,156,673	87,544,830
1,000 and over.....	17,289,954	18,091,660	4,995,801	5,810,429	377,563,732	234,863,800

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.....	25.5	20.8	0.7	0.5	1.7	1.1	9.2	7.5
20 to 49 acres.....	23.4	18.1	2.2	1.3	4.9	2.3	13.3	10.0
50 to 99 acres.....	12.1	11.1	2.7	2.0	5.3	3.5	10.3	8.4
100 to 174 acres.....	13.6	18.2	6.1	6.7	8.5	8.0	11.1	10.5
175 to 499 acres.....	14.2	17.9	13.7	13.9	19.6	18.9	18.7	18.0
500 to 999 acres.....	5.8	7.3	12.7	12.8	16.2	17.0	11.3	12.4
1,000 acres and over.....	5.3	6.5	61.9	62.8	43.9	48.6	23.0	33.2

Of the total farm acreage of the state in 1910, 61.9 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 5.3 per cent of the total number of farms. Between 1900 and 1910 there was an increase in the proportion of the total acreage which was in farms of each size group less than 100 acres and a decrease in the proportion in farms of each size group 100 acres or more.

In general, as shown by the next table, the percentage of farm land improved diminishes as the size of the farms increases. For this reason and also because 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 also 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.			
			Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900
Total.....	40.8	41.5	\$16,447	\$9,759	\$51.93	\$24.56
Under 20 acres.....	94.4	91.7	5,944	3,540	666.67	369.04
20 to 49 acres.....	89.2	88.1	9,353	5,413	308.01	183.94
50 to 99 acres.....	79.7	73.0	13,988	7,345	198.41	102.40
100 to 174 acres.....	56.9	48.9	13,403	5,619	94.20	38.12
175 to 499 acres.....	58.3	56.7	21,654	9,823	71.21	31.95
500 to 999 acres.....	52.2	55.3	32,068	16,428	46.43	23.76
1,000 acres and over.....	28.9	32.1	80,453	49,414	21.84	12.98

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 following table shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Own-ers.	Ten-ants.	Man-agers.	Per cent of total.		
	Num-ber.	Per cent dis-tribution.				Own-ers.	Ten-ants.	Man-agers.
Total	88,197	100.0	66,632	18,148	3,417	75.5	20.6	3.9
Native white.....	58,926	66.8	45,780	10,505	2,641	77.7	17.8	4.5
Foreign-born white.....	26,193	29.7	19,914	5,565	714	76.0	21.2	2.7
Negro and other nonwhite.....	3,078	3.5	938	2,078	62	30.5	67.5	2.0

More than two-thirds (66.8 per cent) of the California farmers were native whites and about three-tenths (29.7 per cent) foreign-born whites. Only 3,078, or 3.5 per cent of all farmers, were nonwhites. Of these, 1,816 were Japanese, 591 Indians, 512 Chinese, and 159 negroes. It is interesting to note the form of tenure under which these different classes hold land. Of the native white farmers, 17.8 per cent were tenants; of the foreign-born white, 21.2 per cent; and of the nonwhite, 67.5 per cent.

Of a total of 26,193 foreign-born white farmers in California in 1910, 4,669 were born in Germany, 2,457 in Italy, 2,365 in England, and 2,124 in Canada. Other European countries were represented by a total of 13,531 farmers, and non-European countries, other than Canada, by 1,047.

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, 80,304, or 91.1 per cent, report domestic animals of some kind, the number without any domestic animals being 7,893.

Cattle are reported by 71.5 per cent of all farms, "dairy cows" by 69.3 per cent, and "other cows" by 18.3 per cent. The average number of "dairy cows" per farm reporting such cows is less than 8, while the average number of "other cows" per farm reporting is about 36. Each class of cattle, excepting calves, increased in number materially during the last decade. 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 329,430 to 267,799, and the average value decreasing from \$8.49 to \$7.03.

Horses are reported by 86.3 per cent of all the farms in the state. It may be noted that only 19.1 per cent report colts born in 1909 and 12.9 per cent report spring colts. The average value of mature horses is considerably more than twice that reported in 1900.

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.	Per cent of all farms.	Number.	Value.	Average value.
Total	80,304	91.1	.....	\$123,024,652	.....
Cattle	63,053	71.5	2,077,025	52,785,068	\$25.41
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	61,101	69.3	467,832	18,697,328	39.79
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	16,116	18.3	578,909	14,798,012	25.65
Heifers born in 1909.....	24,492	27.8	218,480	3,448,695	15.78
Calves born after Jan. 1, 1910.....	30,126	34.2	267,799	1,883,523	7.08
Steers and bulls born in 1909.....	11,034	13.5	163,728	2,880,603	17.65
Steers and bulls born before Jan. 1, 1909.....	11,601	13.2	321,984	9,941,169	30.87
Unclassified cattle.....	93	0.1	60,793	1,226,938	20.18
Horses	76,119	86.3	468,886	47,099,196	100.45
Mares, stallions, and geldings, born before Jan. 1, 1909.....	75,911	86.1	402,584	43,770,557	108.72
Colts born in 1909.....	16,813	19.1	41,927	2,589,191	56.98
Colts born after Jan. 1, 1910.....	11,394	12.9	29,037	787,648	33.32
Unclassified horses.....	11	(¹)	1,338	171,800	128.40
Mules	11,015	12.5	69,761	9,016,444	129.25
Mules born before Jan. 1, 1909.....	10,059	11.4	61,997	8,552,021	137.04
Mule colts born in 1909.....	1,761	2.0	4,913	351,667	71.58
Mule colts born after Jan. 1, 1910.....	1,271	1.4	2,851	112,756	39.55
Asses and burros	1,099	1.2	2,592	347,315	133.99
Swine	31,609	35.8	766,551	5,108,803	6.66
Hogs and pigs born before Jan. 1, 1910.....	27,585	31.3	482,810	4,346,824	9.00
Pigs born after Jan. 1, 1910.....	16,143	18.3	283,741	759,979	2.68
Sheep	3,857	4.4	2,417,477	3,348,997	3.45
Ewes born before Jan. 1, 1910.....	3,390	3.8	1,217,515	4,914,783	4.04
Rams and wethers born before Jan. 1, 1910.....	2,204	2.5	307,773	1,326,699	4.81
Lambs born after Jan. 1, 1910.....	3,028	3.4	892,189	2,107,515	2.36
Goats	1,714	1.9	138,413	320,829	2.32

¹ Less than one-tenth of 1 per cent.

Mules are reported by about one farm out of every eight, and the number of this class of animals is 14.9 per cent of the number of horses. The average values of mules are considerably higher than those of horses of corresponding ages.

Sheep and lambs are reported from 3,857 farms, or 4.4 per cent of all the farms in the state. Of these farms, 78.5 per cent report spring lambs, the number of the latter being equal to 73.3 per cent of the number of ewes. Ewes are reported from 3,390 out of the 3,857 farms reporting sheep, the average number being about 359 per farm. The figures for the farms reporting rams and wethers show an average of about 140 per farm. The average size of the flock, excluding spring lambs, was about 395 in 1910, as compared with about 477 in 1900.

Of all farms, 35.8 per cent report swine, the average number being about 24 per farm reporting. Only 18.3 per cent of all farms report spring pigs, owing doubtless to 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.

Poultry on farms: 1910 and 1900.—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.			
Total.....	86,251	75.1	6,087,267	\$3,844,526	4,196,466
Chickens.....	66,055	74.9	5,065,964	3,237,049	3,947,200
Turkeys.....	11,927	13.5	116,602	258,033	158,356
Ducks.....	3,606	4.1	40,061	28,325	62,293
Geese.....	2,567	2.9	14,195	18,009	28,419
Guinea fowls.....	700	0.9	2,920	1,993	(1)
Pigeons.....	2,152	2.4	246,065	69,254	(2)
Ostriches.....	10	(3)	1,082	229,340	198
All other.....	39	(3)	378	1,923	(2)

¹Included with chickens.

²Not reported.

³Less than one-tenth of 1 per cent.

⁴Thirty-one farms report 288 peafowls, valued at \$1,431; 7 farms report 87 pheasants, valued at \$342; 1 farm reports 3 India jungle fowls, valued at \$150.

The number of fowls on California farms increased from 4,196,000 in 1900 to 6,087,000 in 1910, or 45.1 per cent during the last decade, while the value shows an increase from \$1,902,000 to \$3,845,000, or 102.1 per cent. The increase in the number of fowls was confined almost entirely to chickens, a decrease being reported in 1910 for each of the other classes for which there are comparable figures, except ostriches. Pigeons, an important class in 1910, were not reported in 1900. The number of farms reporting poultry increased from 55,479 to 66,251, or 19.4 per cent, and the average number of fowls per farm reporting

increased from 76 to 92. 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.

Bees on farms: 1910 and 1900.—The number of farms reporting bees has decreased from 6,915 in 1900 to 6,870 in 1910, or 0.7 per cent. The number of colonies of bees increased from 129,444 to 201,023, or 55.3 per cent, and their value increased from \$363,885 to \$729,793, or 100.6 per cent. The average value of bees per farm reporting was \$52.62 in 1900 and \$106.23 in 1910. About eight farms in every hundred report 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 table below age groups are omitted for the sake of brevity.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
Total.....	56,987	.....	\$18,797,015	.....
All cattle.....	21,323	46,176	1,604,717	\$34.75
Dairy cows.....	20,497	29,962	1,321,897	44.12
Horses.....	45,708	132,521	15,142,841	114.27
Mules.....	1,519	10,612	1,638,381	154.39
Asses and burros.....	449	1,057	45,114	42.03
Swine.....	1,506	12,168	100,761	8.28
Sheep.....	214	64,631	232,572	3.60
Goats.....	1,477	7,113	32,629	4.50

As would be expected, horses are by far the most important class of domestic animals not on farms both in number and value; sheep rank second in importance in point of number, while mules rank second in value.

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.
Total.....	.....	\$141,821,667	.....	\$123,024,652	.....	\$18,797,015
All cattle.....	2,123,201	54,389,785	2,077,025	52,785,068	46,176	1,604,717
Dairy cows.....	497,294	19,919,225	467,332	18,597,328	29,962	1,321,897
Horses.....	601,407	62,242,037	468,886	47,099,196	132,521	15,142,841
Mules.....	80,373	10,654,826	69,761	9,016,444	10,612	1,638,381
Asses and burros.....	3,649	392,420	2,592	347,915	1,057	45,114
Swine.....	778,719	5,207,564	766,551	5,100,803	12,168	100,761
Sheep.....	2,482,108	8,581,569	2,417,477	8,348,997	64,631	232,572
Goats.....	145,526	353,458	138,413	320,829	7,113	32,629

The total value of all domestic animals in the state in 1910 was \$141,822,000, of which the value of animals not on farms constituted 13.3 per cent.

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 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 April 15, 1910.....	61,101	69.3	467,332	Head..		
On farms reporting dairy products in 1909.....	46,376	52.6	408,812	Head..		
On farms reporting milk produced in 1909.....	42,112	47.7	315,385	Head..		
Specified dairy products, 1909:						
Milk reported.....			154,901,956	Gals..		
Butter made.....	31,345	35.5	15,301,871	Lbs..	\$4,085,092	\$0.27
Cheese made.....	480	0.5	2,777,573	Lbs..	883,494	0.14
Milk sold.....	5,906	6.7	45,333,432	Gals..	7,346,176	0.16
Cream sold.....	3,133	3.6	3,397,061	Gals..	2,861,921	0.84
Butter fat sold.....	5,605	6.2	19,176,719	Lbs..	5,766,394	0.30
Butter sold.....	12,911	14.6	10,285,583	Lbs..	2,763,392	0.27
Cheese sold.....	188	0.2	2,513,315	Lbs..	345,414	0.14
Total receipts from sales, 1909.....					19,083,297	
Total value of milk, cream, and butter fat sold and butter and cheese * made, 1909.....					20,443,977	
Specified dairy products, 1899:						
Butter made.....	32,088	44.2	20,853,360	Lbs..		
Cheese made.....	420	0.6	4,249,588	Lbs..		
Butter sold.....			15,236,667	Lbs..	2,903,714	0.19
Cheese sold.....			3,989,893	Lbs..	364,456	0.09

The number of farms reporting dairy cows on April 15, 1910, was 61,101, but only 46,376 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 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 42,112 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 315,000. The amount of milk reported was 154,902,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 491 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 \$20,444,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Less than one-third of the milk reported as produced by California 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 \$4,086,000.

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.

Wool: 1909 and 1899.—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.¹

¹ Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,434 farmers who reported the possession of 214,485 sheep of shearing age on April 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 April 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 April 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.

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	3,546	1,525,288	.....	.....	.....
Wool produced, as reported, 1909.....	2,236	.....	2,275,389	12,516,274	\$2,145,107
On farms reporting sheep April 15, 1910.....	2,112	1,810,803	2,202,421	12,086,934	2,083,092
On other farms.....	124	.....	72,968	429,340	62,015
Total production of wool (partly estimated):					
1909.....			2,562,800	14,064,703	2,423,946
1899.....			2,832,305	13,680,495	1,707,088
Increase, 1899 to 1909.....			-319,505	384,208	716,858
Per cent of increase.....			-11.1	2.8	42.0

¹ A minus sign (-) denotes decrease.

The total number of sheep of shearing age in California on April 15, 1910, was 1,525,000, representing a decrease of 11.6 per cent as compared with the number on June 1, 1900 (1,725,000). The approximate production of wool during 1909 was 2,563,000 fleeces, weighing 14,065,000 pounds and valued at \$2,424,000. Of these totals about 11 per cent represents estimates. The number of fleeces produced in 1909 was 11.1 per cent less than in 1899. The average weight per fleece in 1909 was 5.5 pounds, as compared with 4.7 pounds in 1899, and the average value per pound was 17 cents, as compared with 12 cents in 1899.

Goat hair and mohair: 1909 and 1899.—Although 1,714 farmers reported 138,413 goats and kids on their farms April 15, 1910, only 367 reported the production of goat hair or mohair during 1909. These farmers reported 102,134 fleeces, weighing 282,596 pounds and valued at \$60,821. The production showed a considerable 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 California farms on April 15, 1910, was 6,087,000. Of the 66,251 farms reporting fowls, 14,180 did not report any eggs produced in 1909, and 18,136 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 35,908,000 dozens, valued at \$8,983,000. According to the Twelfth Census reports the production of eggs in 1899 was 24,444,000 dozens, the value being \$3,865,000. 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 schedule reported fowls on hand without reporting the production of eggs. In order to 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 41,022,000 dozens, valued at \$10,263,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 8,431,000 fowls, valued at \$4,421,000.

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 April 15, 1910.....	66,251	6,087,267	.....	.....
On farms reporting eggs produced in 1909.....	52,071	5,380,858	.....	.....
On other farms.....	14,180	706,409	.....	.....
Eggs produced, as reported, 1909.....	52,077	.....	Dozens. 35,907,973	\$8,983,204
Total production of eggs (partly estimated):				
1909.....			41,022,395	10,262,094
1899.....			24,443,540	3,864,070
Increase, 1899 to 1909.....			16,578,855	6,398,015
Per cent of increase.....			67.8	165.6
Eggs sold, as reported, 1909.....	36,621	.....	26,867,687	6,717,426
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909.....	48,115	5,123,648	.....	.....
On other farms.....	18,136	963,619	.....	.....
Poultry raised, as reported, 1909.....	49,170	.....	No. of fowls. 7,096,339	3,720,744
Total poultry raised (partly estimated):				
1909.....			8,430,908	4,420,515
1899.....			2,402,007	2,402,007
Increase, 1899 to 1909.....			1,928,448	1,928,448
Per cent of increase.....			77.4	77.4
Fowls sold, as reported, 1909.....	27,492	.....	3,678,208	2,018,850

Honey and wax: 1909.—Although, as noted elsewhere, 6,870 farms reported 201,023 colonies of bees on hand April 15, 1910, 2,782 of these farms, with 21,397 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 10,264,715 pounds of honey, valued at \$631,529, and 126,445 pounds of wax, valued at \$33,838; the true totals are doubtless somewhat above these figures.

Sale or slaughter of domestic animals on farms: 1909 and 1899.—The next statement presents statistics relating to the sale or slaughter of domestic animals by California farmers during the year 1909, with certain items for 1899.

	FARMS REPORTING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Average.
1909—All domestic animals:					
Sold.....				\$31,130,113	
Slaughtered.....				2,497,007	
Calves:					
Sold.....	16,882	19.1	147,467	1,012,253	\$6.86
Slaughtered.....	4,707	5.4	50,538	328,033	6.49
Other cattle:					
Sold.....	19,775	22.4	548,920	17,577,236	32.02
Slaughtered.....	4,054	4.6	30,319	961,211	24.47
Horses sold.....	7,955	9.0	28,989	3,376,965	116.49
Mules sold.....	1,627	1.8	8,918	1,201,849	134.80
Asses and burros sold.....	62	0.1	166	20,676	124.55
Swine:					
Sold.....	13,605	15.4	478,678	4,861,520	10.16
Slaughtered.....	15,337	17.4	82,270	1,053,424	12.80
Sheep:					
Sold.....	1,713	1.9	815,960	3,024,931	3.71
Slaughtered.....	919	1.0	35,915	142,672	3.97
Goats:					
Sold.....	274	0.3	19,751	54,683	2.77
Slaughtered.....	335	0.4	4,001	11,667	2.92
1899—All domestic animals:					
Sold.....				13,305,165	
Slaughtered.....				2,449,820	

¹ Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$31,130,000 and that of animals slaughtered

on farms \$2,497,000, making an aggregate of \$33,627,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year. More than one-half of this aggregate represents cattle (excluding calves) sold.

The value of the cattle (including calves) sold during 1909 represented somewhat less than three-fifths of the total value of all animals sold, and the value of the swine sold represented less than one-sixth 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 the year 1899, which amounted, respectively, to \$13,305,000 and \$2,450,000. 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.

CROPS.

Summary: 1909 and 1899.—The following 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.")

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.						
	1909	1899	Increase. ¹		1909	1899	1909	1899	Increase. ¹		Per cent of total.		
			Amount.	Per cent.					Amount.	Per cent.	1909	1899	
All crops.....								\$153,111,013	\$95,365,712	\$57,745,301	60.6	100.0	100.0
Crops with acreage reports.....	4,324,733	6,434,434	-1,509,701	-23.5	43.2	53.8	100,409,039	64,583,063	35,825,976	55.5	65.6	67.7	
Cereals.....	1,970,402	4,004,254	-2,033,762	-50.8	17.3	33.5	23,039,826	33,074,733	-5,034,907	-16.7	18.3	35.3	
Other grains and seeds.....	163,776	40,219	114,557	232.7	1.4	0.4	6,517,463	1,116,678	5,400,775	483.6	4.3	1.2	
Hay and forage.....	2,533,347	2,239,601	293,746	18.1	22.2	18.7	42,187,215	19,436,398	22,750,817	117.1	27.0	20.4	
Tobacco.....	4	27	-23	(²)	(²)	(²)	479	4,352	-3,873	-89.0	(²)	(²)	
Cotton (including cotton seed).....	324		324	(²)	(²)	(²)	12,776		12,776	(²)	(²)	(²)	
Hemp.....	300	500	-200	-40.0	(²)	(²)	30,000	45,000	-6,000	-13.3	(²)	(²)	
Hops.....	8,391	6,890	1,501	21.8	0.1	0.1	1,731,110	925,319	805,791	87.1	1.1	1.0	
Broom corn.....	1,023	1,069	-46	-38.7	(²)	(²)	32,509	40,506	-7,997	-19.7	(²)	(²)	
Sugar crops.....	79,604	41,382	38,222	92.4	0.7	0.3	4,335,358	1,554,134	2,781,224	179.0	2.8	1.6	
Sundry minor crops.....	7	4,919	-4,912	-99.9	(²)	(²)	840	103,585	-102,745	-99.2	(²)	(²)	
Potatoes and sweet potatoes and yams.....	72,769	43,705	29,064	66.6	0.6	0.4	5,235,073	2,773,140	2,461,933	88.8	3.4	2.0	
Other vegetables.....	79,163	32,401	46,762	144.3	0.7	0.3	6,886,835	2,858,832	4,028,063	140.9	4.5	3.0	
Flowers and plants and nursery products.....	5,816	3,586	2,230	62.2	0.1	(²)	3,601,301	1,138,975	2,462,326	216.2	2.4	1.2	
Small fruits.....	9,687	6,281	3,406	54.2	0.1	0.1	1,739,214	911,411	827,803	90.3	1.2	1.0	
Crops with no acreage reports.....							52,701,974	30,782,649	21,919,325	71.2	34.4	32.3	
Seeds.....							800,758	191,293	609,465	313.6	0.5	0.2	
Fruits and nuts.....							48,917,655	28,809,830	20,107,825	69.8	31.9	30.2	
Forest products of farms.....							2,949,732	1,724,378	1,225,354	71.1	1.9	1.8	
Miscellaneous.....							33,820	57,148	-23,319	-40.8	(²)	(²)	

¹ A minus sign (-) denotes decrease.

² Per cent not calculated when base is less than 100.

³ Less than one-tenth of 1 per cent.

⁴ Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$153,111,000. Of this amount, 65.6 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 4,924,733, representing 43.2 per cent of the total improved land in farms (11,389,894 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.

The general character of California agriculture is indicated by the fact that somewhat less than one-fifth (18.3 per cent) of the total value of crops in 1909 was contributed by the cereals, somewhat less than one-third (31.9 per cent) by fruits and nuts, and more than one-fourth (27.6 per cent) by hay and forage. The remainder, representing 22.2 per cent of the total, consisted mostly of potatoes and other vegetables, grains and seeds, other than cereals, sugar crops, and flowers and plants and nursery products.

The total value of crops in 1909 was 60.6 per cent greater than in 1899, this increase being no doubt due in part to higher prices. There was a decrease of 23.5 per cent in the total acreage of crops for which acreage was reported, the greatest decrease amounting to more than two millions of acres being reported for cereals, while all the other important crops showed increases in acreage, the greatest absolute increase being that in the acreage of hay and forage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$42,187,000; barley, \$17,185,000; wheat, \$6,324,000; dry edible beans, \$6,295,000; and potatoes, \$4,879,000. It should be noted, however, that some of the crops reported in other tables are more important than wheat, dry edible beans, or potatoes.

The combined acreage of the cereals is hardly four-fifths that of hay and forage, while the value of the crop is only about two-thirds as great. Barley is the leading cereal, both its acreage and value being about three-fifths those of all cereals combined. Wheat ranks second, with an acreage approximately one-fourth that of all cereals combined, while the value of the crop is more than one-fifth as great. Oats, corn, and kafir corn and milo maize rank in the order named in both acreage and value.

Of the hay and forage crops, by far the most important is "grains cut green." The acreage of this

crop represents considerably more than three-fifths of the total acreage in hay and forage, and the value is about one-half that of the entire hay and forage crop. Of the remaining crops, "alfalfa," "wild, salt, or prairie grasses," and "other tame or cultivated grasses" are the most prominent, both in acreage and in value.

Dry edible beans, potatoes, and hops are among the principal crops, when value is considered. Dry edible beans have an acreage more than one-eighth as great as barley, the leading cereal, and a value more than one-third as great. Potatoes, with an acreage but little more than one-twentieth as great as that of barley, show a value considerably more than one-fourth as great. Hops, with a very small acreage, show a value over one-tenth that of barley.

The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, cotton, hemp, hops, broom corn, and sundry minor crops:

Crop.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
Cereals, total.....		1,970,492	39,105,917	Bu...	\$28,039,826
Corn.....	5,728	51,935	1,273,901	Bu...	1,077,411
Oats.....	2,477	192,158	4,143,088	Bu...	2,037,047
Wheat, total.....	4,678	478,217	6,203,206	Bu...	6,323,983
Common winter.....	3,739	426,405	5,340,574	Bu...	5,435,204
Common spring.....	964	51,352	857,543	Bu...	835,002
Durum or macaroni.....	7	400	5,089	Bu...	5,777
Emmer and spelt.....	19	840	19,755	Bu...	13,758
Barley.....	7,597	1,105,158	26,441,954	Bu...	17,184,508
Buckwheat.....	26	849	14,681	Bu...	11,500
Rye.....	193	7,027	70,683	Bu...	65,846
Kafir corn and milo maize.....	2,521	44,308	938,049	Bu...	725,704
Other grains and seeds with acreage report, total.....		183,778	3,467,885	Bu...	6,517,453
Dry edible beans.....	3,054	157,937	3,328,218	Bu...	6,295,457
Horse beans.....	67	160	5,534	Bu...	5,559
Dry peas.....	262	2,959	57,468	Bu...	101,016
Peanuts.....	42	99	2,991	Bu...	2,889
Flaxseed.....	8	240	1,882	Bu...	3,224
Mustard seed.....	66	1,904	63,305	Bu...	100,731
Sorghum cane seed.....	14	103	1,147	Bu...	1,997
Sunflower seed.....	21	257	6,855	Bu...	6,264
Seeds with no acreage report, total.....					800,758
Timothy seed.....	4	(2)	357	Bu...	1,005
Clover seed.....	10	(2)	810	Bu...	2,823
Alfalfa seed.....	347	(2)	23,791	Bu...	200,823
Other tame grass seed.....	5	(2)	1,077	Bu...	1,323
Flower and garden seeds.....	109	(2)			594,724
Hay and forage, total.....	53,780	2,533,347	4,327,130	Tons.	42,187,215
Timothy alone.....	370	13,725	20,001	Tons.	185,579
Timothy and clover mixed.....	958	46,061	73,183	Tons.	629,575
Clover alone.....	703	8,519	20,380	Tons.	213,289
Alfalfa.....	19,004	484,134	1,639,707	Tons.	13,088,530
Millet or Hungarian grass.....	101	2,142	2,638	Tons.	27,433
Other tame or cultivated grasses.....	2,274	90,414	119,415	Tons.	1,253,428
Wild, salt, or prairie grasses.....	3,679	253,127	281,033	Tons.	2,028,494
Grains cut green.....	39,397	1,604,745	2,019,526	Tons.	24,055,727
Coarse forage.....	2,175	25,803	60,611	Tons.	438,095
Root forage.....	1,021	4,012	90,586	Tons.	260,015
Potatoes.....	12,533	67,088	9,824,005	Bu...	4,879,449
Sweet potatoes and yams.....	1,133	5,111	572,814	Bu...	355,624
Tobacco.....	12	4	4,502	Lbs.	479
Cotton.....	18	324	1,183	Bales	11,744
Cotton seed (estimated).....	2		92	Tons.	1,032
Hemp.....	2	300	600,000	Lbs.	30,000
Hops.....	273	8,391	11,994,953	Lbs.	1,731,110
Broom corn.....	24	1,023	614,250	Lbs.	32,509
Sundry minor crops, total.....		7			840

¹ Includes small amount of broom corn seed.

² 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.

³ Includes small amounts of chicory and willows.

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

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Barley.	Hay and forage.	Potatoes.
1909.....	51,935	192,158	478,217	1,195,158	2,533,347.	67,688
1899.....	53,930	153,734	2,633,405	1,029,647	2,239,601	42,098
1889.....	70,303	57,509	2,840,807	815,995	1,431,574	38,178
1879.....	71,781	49,947	1,832,429	586,350	758,024	(¹)

¹ Not reported.

Barley and oats each show a steady gain in acreage throughout the 30-year period, that of barley being over twice as great in 1909 as in 1879, and that of oats nearly four times as great. The acreage of corn shows a somewhat slow yet continuous decline for the 30 years. Wheat had a much greater acreage in 1889 than in 1879, was but slightly less in 1899, but in 1909 had an acreage less than 18 per cent that of 1899. In the acreage of hay and forage, on the contrary, a marked increase throughout the period is recorded, the largest increase occurring during thesecond decade. The aggregate increase for the 30-year period is 1,775,323 acres. The acreage of potatoes was not reported for 1879, but shows a considerable increase during the last 20 years.

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 ¹	AVERAGE YIELD PER ACRE.	AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899		1909	1909
	Corn.....	6.5	7.4	0.5		0.5	-3.7	24.5 Bu.	$20.75
Oats.....	2.8	5.3	1.7	1.3	25.0	21.0 Bu.	13.72
Wheat.....	5.3	17.4	4.2	22.4	-32.2	13.0 Bu.	13.22
Barley.....	8.6	14.2	10.5	8.0	16.1	22.1 Bu.	14.38
Hay and forage..	61.0	68.1	22.2	18.7	13.1	1.71 Tons.	16.65
Potatoes.....	14.2	13.5	0.6	0.4	60.8	145.1 Bu.	72.09

¹ A minus sign (-) denotes decrease.

Of every 100 farms in California, 61 raised hay and forage in 1909; 14, potatoes; 9, barley; 7, corn; 5, wheat; and 3, oats. Except in the case of potatoes, these percentages are smaller than those for 1899.

The six crops included in the above table cover only about 40 per cent of the total improved land of the state, as compared with about 52 per cent in 1899. This large proportionate decrease is due entirely to the immense decrease in the acreage of wheat. Of the other crops, oats, barley, hay and forage, and potatoes show increases in the proportion of improved land occupied, while corn occupies the same proportion of improved land as in 1899.

The average value per acre of the combined cereals in 1909 was \$14.23, the average value of corn and barley exceeding this average, and that of oats and wheat falling below it. The average value per acre of hay and forage is slightly above that of all cereals combined, while that of potatoes is over five times as great. From 1899 to 1909 a decrease of 2,033,762 acres, or 50.8 per cent, was reported in the combined acreage of the cereals, and an increase of 293,746 acres, or 13.1 per cent, in the acreage of hay and forage.

Of the different counties of the state, more than one-half show increases in the acreage of hay and forage. With three exceptions, all the counties reporting decreases in such acreage are located in the northern half of the state. The largest absolute increase is found in San Joaquin County and the largest absolute decrease in Los Angeles County. Although an increase in the acreage of barley is reported for the state as a whole, more than one-half of the counties show decreases. As in the case of hay and forage the decreases are found principally in the northern half of the state. The greatest absolute increase is reported from Riverside County, and the greatest absolute decrease from Santa Clara County. More than one-tenth of the total acreage of the state is reported from San Joaquin County.

In the acreage of wheat only five counties show increases. Two of these, Alpine and Mono, are located near the middle of the eastern boundary line; two, Modoc and Lassen, are in the extreme northeast corner; and the remaining one, Ventura, is on the southwest coast, northwest of Los Angeles. The greatest decrease in the acreage of wheat reported for any county was 272,116 acres for Stanislaus County. Slightly more than one-half of the total acreage of dry edible beans is reported from Santa Barbara and Ventura Counties on the southwest coast. All the counties reporting increases in the acreage of oats belong to one of four distinct groups, the first consisting of four counties, Modoc, Lassen, Trinity, and Shasta, in the northern part of the state; the second, of two counties, Glenn and Sutter, just north of the center; the third, of ten counties in the central and east central parts of the state; and the fourth, of six counties in the extreme southern part of the state. The largest absolute increase is recorded for Stanislaus County, and the largest absolute decrease for Sonoma County. Hops are reported from less than one-third of the counties, and two of these, Sonoma and Mendocino, situated on the northwest coast, together report more than one-half of the total acreage. Nearly one-fifth of the corn acreage is reported from Los Angeles County, about one-half of the potato acreage from Contra Costa and San Joaquin Counties, and about one-fourth of the acreage of kafir corn and milo maize is reported from Tulare County.

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.....	23,755	38.3	79,163	32,401	\$6,886,885	\$2,858,832
Farms reporting a product of \$500 or over.....	2,075	2.4	53,369	.....	4,836,001	.....
All other farms.....	31,630	35.9	25,794	.....	2,050,884	.....
Flowers and plants, total.....	442	0.5	1,013	672	1,388,513	580,646
Farms reporting a product of \$250 or over.....	347	0.4	.....	.....	1,373,577	.....
All other farms.....	95	0.1	.....	.....	14,936	.....
Nursery products, total.....	566	0.6	4,803	2,014	2,212,788	558,329
Farms reporting a product of \$250 or over.....	206	0.3	.....	.....	2,134,713	.....
All other farms.....	270	0.3	.....	.....	78,075	.....

¹ Does not include 9,393 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 151,962 and their value \$12,121,958. Excluding (so far as reported separately¹) potatoes and sweet potatoes and yams, the acreage of vegetables was 79,163 and their value \$6,887,000, both acreage and value being more than twice as great as in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were in 1909, 2,075 farms in the first class, representing about two-thirds of the total acreage of vegetables and more than two-thirds of the total value, the average acreage of vegetables per farm for these farms being 25.7 and the average value of products per acre \$90.61.

The raising of flowers and plants and of nursery products is also of considerable importance in California, 5,816 acres being devoted to them in 1909, and the output being valued at \$3,601,301. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

Small fruits: 1909 and 1899.—Strawberries are by far the most important of the small fruits raised in California, with raspberries and loganberries, and blackberries and dewberries ranking second and third, respectively. The total acreage of small fruits in 1909

¹ 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.

was 9,687 and in 1899, 6,281, an increase of 54.2 per cent. The production in 1909 was 26,824,000 quarts, as compared with 14,582,000 quarts in 1899, and the value was \$1,789,000 in 1909, as compared with \$911,000 in 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.....	.....	9,687	6,281	26,824,120	\$1,789,214
Strawberries.....	2,282	4,585	2,413	15,694,326	1,149,475
Blackberries and dewberries.....	3,190	2,576	1,960	4,898,524	282,383
Raspberries and loganberries.....	2,524	1,992	987	5,222,117	304,169
Currants.....	264	407	724	852,378	43,508
Gooseberries.....	343	74	133	145,119	9,086
Cranberries.....	12	53	.....	10,656	448
Other berries.....	1	(¹)	59	1,000	150

¹ Less than 1 acre.

Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.—The next 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.

The total quantity of orchard fruits produced in 1909 was 31,502,000 bushels, valued at \$18,359,000. Plums and prunes, peaches and nectarines, apples, and apricots are the most important of the orchard fruits. The total value of the tropical fruits produced in 1909 was \$16,752,000, the value of oranges representing more than three-fourths of the total, and the value of lemons being next in importance. The production of grapes in 1909 amounted to 1,979,687,000 pounds, valued at \$10,847,000, and the production of nuts was 28,378,000 pounds, valued at \$2,960,000. Most of the nuts were Persian or English walnuts and almonds.

The value of all orchard fruits produced in California increased from \$14,527,000 in 1899 to \$18,359,000 in 1909; the value of tropical fruits increased from \$7,219,000 in 1899 to \$16,752,000 in 1909, and that of grapes from \$5,623,000 in 1899 to \$10,847,000 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard and tropical fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to products in their original condition.

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.	Value.	Quantity.
Orchard fruits, total.		22,485,195		8,410,082	1 31,501,507	\$18,358,897	1 22,690,696
Apples.....	19,671	2,482,762	12,716	1,054,107	6,335,073	2,901,662	3,488,208
Peaches and nectarines.....	21,637	7,829,011	15,231	4,409,562	9,267,118	4,573,775	8,563,427
Pears.....	16,073	1,410,905	8,532	388,093	1,928,097	1,660,963	1,912,825
Plums and prunes.....	18,105	7,168,705	9,795	1,589,939	9,317,979	5,473,539	5,632,036
Cherries.....	9,177	522,304	6,217	300,063	501,013	951,624	318,960
Apricots.....	16,181	2,992,453	9,075	581,524	4,066,823	2,708,921	2,547,064
Quinces.....	4,236	76,979	2,984	65,471	32,638	26,266	(2)
Mulberries.....	134	2,076	57	1,303	52,766	2,147	(2)
Unclassified.....							3 228,176
Grapes.....	17,793	144,097,670	10,182	39,528,319	4 1,979,686,525	10,846,812	4 721,433,400
Nuts, total.		6 2,084,302		6 931,933	4 5 28,378,115	5 2,959,845	4 17,775,505
Persian or English walnuts.....	7,357	853,237	6,554	546,804	21,432,266	2,247,193	10,619,975
Almonds.....	6,319	1,166,730	3,680	365,961	6,692,513	700,304	6,992,610
Pecans.....	217	4,226	294	2,793	44,955	4,632	1,220
Black walnuts.....	242	6,682	122	7,905	159,374	2,562	(3)
Franquette.....	4	408	4	617	4,550	910	(2)
Chestnuts.....	146	1,763	117	2,048	37,153	3,474	(2)
Unclassified.....							3 161,700
Tropical fruits, total.		6 8,726,005		6 2,867,670	7 2,750,221	6 16,752,101	7 874,305
Lemons.....	4,820	941,293	3,629	379,676	1 2,696	2,976,571	1 1,188
Japanese persimmons.....	169	3,274	142	8,801	7 14,436,180	3,344	7 5,882,193
Oranges.....	10,975	6,615,305	8,099	2,093,410	4 30,075	12,951,505	(3)
Pomegranates.....	120	1,771	96	2,745	7 122,515	968	7 17,851
Pomeles (grapefruit).....	982	43,424	744	25,589	4 22,980,368	143,180	4 10,620,366
Figs.....	7,840	269,001	5,612	214,527	4 16,132,412	260,153	4 5,040,227
Olives.....	3,074	836,347	2,018	121,659	4 3,322	401,277	(2)
Dates.....	8	325	30	19,552	1 555	418	(9)
Guavas.....	125	7,031	34	443	7 3,581	4,018	(8)
Mandarins.....	5	351	2	23	7 4,516	607	(8)
Tangerines.....	37	3,637	10	34	5,890	4,188	(2)
Loquats.....	175	3,711	125	1,011		5,890	(2)
Unclassified.....							3 17,330

1 Bushels. 2 Included with "unclassified." 3 Consists of products not separately named by the enumerator, but grouped under the designation "all other."
 4 Pounds. 5 Includes Oou-shue, Chili nuts, Brazil nuts, Japanese chestnuts, beechnuts, hazelnuts, French nuts, Japanese walnuts, pistachio, butternuts, mayette, hickory nuts, filberts, and other nuts.
 6 Includes limes, bananas, and citron. 7 Boxes. 8 Not reported.

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

PRODUCT.	FARMS REPORTING: 1909		QUANTITY PRODUCED.		
	Num-ber.	Per cent of all farms.	Unit.	1909	1899
Cider.....	481	0.5	Gals...	118,456	75,443
Vinegar.....	973	1.1	Gals...	244,683	190,678
Wine and grape juice.....	2,163	2.5	Gals...	16,005,519	5,492,216
Olive oil.....	78	0.1	Gals...	95,955	
Raisins and dried grapes.....	4,551	5.2	Lbs....	169,210,679	
Other dried fruits.....	8,373	9.5	Lbs....	189,493,705	117,935,727

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 1909." There were 16,017 farms in California (18.2 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,949,732, as compared with \$1,724,378 in 1899, an increase

of 71.1 per cent. Of the value in 1909, \$1,048,280 was reported as that of products used or to be used on the farms themselves, \$1,698,978 as that of products sold or for sale, and \$202,474 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 \$4,321,000, as compared with \$1,550,000 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Num-ber.	Per cent of all farms.		Amount.	Unit.	Value.
Sugar beets:						
1909.....	1,113	1.3	78,957	\$45,191	Tons...	\$4,320,532
1899.....	863	1.2	41,242	356,535	Tons...	1,550,346
Sorghum cane:						
Total, 1909.....	48	0.1	647	3,021	Tons...	14,825
Cane grown.....	8	(*)		4,330	Gals...	2,340
Sirup made.....						3,788
Total, 1899.....	54	0.1	140	1,085	Tons...	
Cane grown.....						
Cane sold as such.....				6	Tons...	10
Sirup made.....				8,671	Gals...	3,778

1 Includes beets used as root forage.
 2 Includes cane used as coarse forage.
 3 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 237 farms in California sold, during 1909, 5,756 tons of straw, for which they received \$23,220, and that 38 farmers sold 534 tons of cornstalks and leaves, for which they received \$10,599.

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			1899	INCREASE.	
	Farms reporting.		Amount.	Amount.	Amount.	Per cent.
	Number.	Per cent of all farms.				
Labor.....	55,887	63.4	\$40,976,199	\$25,845,120	\$24,131,079	93.4
Feed.....	49,372	56.0	12,876,903	(1)	1,206,943	128.8
Fertilizer.....	7,470	8.5	2,143,993	937,050		

¹ Not reported at the census of 1900.

Over three-fifths of the farmers hire labor, the average amount expended by the farmers hiring being \$894. During the decade the total expenditure for labor increased \$24,131,000, or 93.4 per cent.

Over a seventh 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 eight out of every

hundred purchase fertilizer. The total amount reported as paid for fertilizer has increased \$1,207,000, or 128.8 per cent, during the decade, the average per farm reporting being \$287.

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). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
Total					\$21,329,528
Corn.....	1,021	1.2	352,548	Bu.....	294,777
Oats.....	1,287	1.5	2,192,824	Bu.....	1,417,410
Barley.....	4,492	5.1	14,106,453	Bu.....	9,427,240
Hay and coarse forage.....	13,368	15.2	926,123	Tons...	10,190,101

While the total amount expended by California farmers for the purchase of feed in 1909 was \$12,677,000, the total receipts from the sale of feed by those reporting sales amounted to \$21,330,000.

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 the 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 of boundaries.—In comparing the data secured in 1910 with those for 1900 the following changes in county boundaries should be considered: A part of

Fresno County was annexed to Kings County in 1909, and Imperial County was organized from a part of San Diego County in 1907.

Changes in 1900 figures.—After the volumes of the Twelfth Decennial United States Census (1900) had been printed, a further detailed study and analysis of the data there presented brought to light certain errors in the total farm acreage of three counties. These

counties, with their corrected acreages, are Merced, 1,666,973, not 1,702,967; Orange, 425,277, not 599,436; and Sacramento, 501,488, not 668,426.

Land in farms in Sutter County.—Following the instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage belonging to adjoining counties has been tabulated as in Sutter County.

TABLE 1.—FARMS AND FARM PROPERTY,

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

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
1 Population.....	2,377,549	246,131	309	9,086	27,301	9,171
2 Population in 1900.....	<i>1,485,053</i>	<i>130,197</i>	<i>509</i>	<i>11,116</i>	<i>17,117</i>	<i>11,300</i>
3 Number of all farms.....	88,197	2,422	42	537	1,500	632
4 Number of all farms in 1900.....	<i>78,542</i>	<i>2,787</i>	<i>37</i>	<i>560</i>	<i>1,179</i>	<i>575</i>
Color and nativity of farmers:						
5 Native white.....	58,926	866	24	387	1,204	420
6 Foreign-born white.....	26,193	1,490	10	145	274	207
7 Negro and other nonwhite.....	3,078	66	2	5	22	5
Number of farms, classified by size:						
8 Under 3 acres.....	1,269	148	.....	2	2	.....
9 3 to 9 acres.....	9,324	589	.....	13	116	25
10 10 to 19 acres.....	11,932	405	.....	19	186	14
11 20 to 49 acres.....	20,614	424	1	41	321	48
12 50 to 99 acres.....	10,680	204	3	52	143	45
13 100 to 174 acres.....	12,015	238	4	145	220	171
14 175 to 259 acres.....	4,689	116	9	64	127	60
15 260 to 499 acres.....	7,822	163	14	105	171	127
16 500 to 999 acres.....	5,119	91	3	58	116	80
17 1,000 acres and over.....	4,693	44	8	38	98	62
LAND AND FARM AREA						
18 Approximate land area..... acres.....	99,617,280	468,480	496,640	384,640	1,102,080	657,280
19 Land in farms..... acres.....	27,931,444	311,327	82,004	291,730	490,777	271,401
20 Land in farms in 1900.....	<i>28,828,651</i>	<i>308,239</i>	<i>15,681</i>	<i>314,024</i>	<i>677,080</i>	<i>312,880</i>
21 Improved land in farms..... acres.....	11,389,894	177,314	7,879	46,969	247,027	59,104
22 Improved land in farms in 1900.....	<i>11,953,837</i>	<i>220,118</i>	<i>4,591</i>	<i>48,536</i>	<i>302,329</i>	<i>14,408</i>
23 Woodland in farms..... acres.....	4,541,787	51,484	7,597	114,960	119,120	149,642
24 Other unimproved land in farms.....	11,999,783	82,529	10,828	129,801	124,554	62,095
25 Per cent of land area in farms.....	28.0	66.5	6.4	75.8	44.5	41.3
26 Per cent of farm land improved.....	40.8	57.0	23.7	16.1	50.3	21.8
27 Average acres per farm.....	316.7	128.5	702.0	543.3	327.2	420.4
28 Average improved acres per farm.....	129.1	73.2	180.5	87.5	164.7	93.5
VALUE OF FARM PROPERTY						
29 All farm property..... dollars.....	1,614,694,584	36,840,069	811,442	4,820,809	24,086,440	3,073,409
30 All farm property in 1900.....	<i>796,527,955</i>	<i>34,619,536</i>	<i>384,441</i>	<i>3,318,850</i>	<i>15,535,404</i>	<i>2,355,650</i>
31 Per cent increase, 1900-1910.....	102.7	6.4	150.1	45.3	55.0	70.1
32 Land..... dollars.....	1,317,195,448	29,537,208	530,968	3,252,895	19,404,863	2,376,303
33 Land in 1900.....	<i>630,444,980</i>	<i>28,761,500</i>	<i>198,100</i>	<i>2,185,150</i>	<i>12,460,530</i>	<i>1,305,610</i>
34 Buildings..... dollars.....	133,406,040	4,463,555	88,475	689,925	2,281,132	604,000
35 Buildings in 1900.....	<i>77,468,000</i>	<i>3,485,310</i>	<i>45,400</i>	<i>495,620</i>	<i>1,434,870</i>	<i>427,100</i>
36 Implements and machinery.....	36,493,158	817,861	30,405	141,379	532,320	138,905
37 Implements, etc., in 1900.....	<i>21,811,670</i>	<i>780,040</i>	<i>10,810</i>	<i>127,180</i>	<i>430,580</i>	<i>86,050</i>
38 Domestic animals, poultry, and bees.....	* 127,599,938	2,022,045	161,594	836,610	1,808,125	704,201
39 Domestic animals, etc., in 1900.....	<i>67,303,325</i>	<i>1,602,596</i>	<i>70,131</i>	<i>610,890</i>	<i>1,200,614</i>	<i>425,020</i>
Per cent of value of all property in—						
40 Land.....	81.6	80.2	65.4	67.5	80.6	59.8
41 Buildings.....	8.3	12.1	10.9	12.2	9.5	16.7
42 Implements and machinery.....	2.3	2.2	3.7	2.9	2.2	3.5
43 Domestic animals, poultry, and bees.....	7.9	5.5	19.9	17.4	7.8	20.0
Average values:						
44 All property per farm..... dollars.....	18,308	15,211	19,320	8,977	16,058	6,287
45 Land and buildings per farm.....	16,447	14,038	17,159	7,156	14,457	4,811
46 Land per acre..... dollars.....	47.16	94.88	16.59	11.15	39.54	8.76
47 Land per acre in 1900.....	<i>21.37</i>	<i>72.19</i>	<i>12.65</i>	<i>10.21</i>	<i>18.40</i>	<i>6.55</i>
DOMESTIC ANIMALS (farms and ranges)						
48 Farms reporting domestic animals.....	80,304	2,197	40	504	1,305	613
49 Value of domestic animals..... dollars.....	123,024,652	1,880,344	160,323	823,899	1,817,904	779,090
Cattle:						
50 Total number.....	* 2,077,025	24,319	2,754	22,266	* 26,584	20,977
51 Dairy cows.....	467,332	9,172	759	2,747	4,713	1,824
52 Other cows.....	576,909	5,827	661	7,985	8,359	8,407
53 Yearling heifers.....	218,480	2,609	485	2,175	2,605	2,432
54 Calves.....	267,799	4,113	426	3,444	3,772	3,355
55 Yearling steers and bulls.....	163,728	1,107	400	1,970	2,109	2,057
56 Other steers and bulls.....	321,934	1,491	23	3,945	4,660	2,002
57 Value..... dollars.....	* 52,785,068	611,907	58,619	506,380	* 673,908	422,395
Horses:						
58 Total number.....	* 468,886	10,644	426	2,685	7,655	3,648
59 Mature horses.....	402,534	9,266	376	2,291	6,608	3,143
60 Yearling colts.....	41,927	842	38	218	645	302
61 Spring colts.....	23,037	536	12	176	402	203
62 Value..... dollars.....	* 47,099,196	1,151,631	36,325	233,128	685,441	264,717
Mules:						
63 Total number.....	69,761	227	18	239	1,961	63
64 Mature mules.....	61,997	223	18	212	1,719	25
65 Yearling colts.....	4,813	4	.....	10	151	13
66 Spring colts.....	2,851	.....	.....	17	91	25
67 Value..... dollars.....	9,016,444	28,545	1,420	27,590	225,465	3,920
Asses and burros:						
68 Number.....	2,592	3	14	23	18	27
69 Value..... dollars.....	347,315	48	200	458	2,655	1,850
Swine:						
70 Total number.....	766,551	6,410	517	5,296	14,333	4,174
71 Mature hogs.....	482,810	3,640	309	3,623	9,317	2,588
72 Spring pigs.....	283,741	2,770	208	1,673	5,016	1,586
73 Value..... dollars.....	5,106,803	55,333	2,515	32,647	83,927	24,308
Sheep:						
74 Total number.....	2,417,477	9,187	16,640	6,645	45,077	15,300
75 Rams, ewes, and wethers.....	1,525,288	9,832	3,919	3,919	29,137	10,145
76 Spring lambs.....	892,189	3,507	6,808	2,726	15,940	5,215
77 Value..... dollars.....	8,348,997	32,559	61,200	20,023	138,092	54,509
Goats:						
78 Number.....	138,413	64	10	1,597	3,215	3,348
79 Value..... dollars.....	320,829	321	44	3,073	8,356	7,031
POULTRY AND BEES						
80 Number of poultry of all kinds.....	6,087,267	240,914	2,159	23,630	74,932	23,242
81 Value..... dollars.....	3,844,526	139,539	1,139	12,380	45,750	13,519
82 Number of colonies of bees.....	201,023	610	49	170	1,384	362
83 Value..... dollars.....	729,793	2,112	132	331	4,471	992

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

* Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

STATISTICS OF AGRICULTURE.

BY COUNTIES: APRIL 15, 1910.

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

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno. ¹	Glenn.	Humboldt. ²	Imperial. ²	Inyo.	Kern.	Kings. ¹	Lake.
1												
2	7,732	31,674	2,417	7,492	75,657	7,172	33,857	13,591	6,974	37,715	16,230	5,526
3	7,364	18,046	2,408	8,989	37,809	6,150	27,104	(1)	4,877	16,480	9,871	6,017
4	667	1,465	114	716	6,245	663	1,534	1,322	438	1,167	1,837	603
5	582	1,511	181	759	3,290	529	1,500	(1)	424	1,098	938	723
6	547	712	62	551	3,968	502	856	1,077	313	818	1,312	478
7	112	715	46	150	2,033	160	614	142	98	298	475	122
8	8	38	6	15	244	1	64	102	27	51	50	8
9	1	18			6		10	51	2	11	7	1
10	31	118	2	26	267	40	78	46	28	46	69	10
11	35	127	6	21	598	33	107	56	23	57	159	38
12	85	221	9	60	3,240	106	280	182	55	320	643	85
13	42	158	13	88	951	65	245	227	75	173	377	80
14	90	256	31	212	609	79	334	400	113	222	287	144
15	80	147	11	100	142	31	118	98	41	55	77	60
16	129	206	23	122	202	101	147	201	54	116	133	84
17	104	140	10	52	119	89	84	51	22	82	42	53
18	120	74	9	35	111	119	131	10	20	85	43	48
19	720,600	456,960	655,360	1,121,920	3,803,000	805,760	2,325,760	2,616,060	6,412,160	5,121,920	741,790	817,920
20	522,376	406,433	35,947	210,881	1,106,616	491,198	642,536	223,602	110,142	1,409,350	373,823	217,404
21	560,002	408,593	35,115	209,320	1,224,792	577,363	648,511	(1)	141,059	1,571,106	387,605	218,176
22	336,509	262,152	12,439	41,632	590,205	309,765	105,248	176,069	88,698	315,357	196,569	42,708
23	568,287	262,617	9,787	46,481	736,337	356,781	77,233	(1)	49,749	324,031	268,143	41,414
24	38,252	28,786	10,574	137,057	93,194	67,665	174,354	1,133	1,631	235,014	6,724	71,588
25	147,615	115,515	12,934	32,142	423,217	113,768	362,934	46,395	69,313	552,949	170,530	103,508
26	71.6	83.9	5.5	18.8	29.1	61.0	27.6	8.5	1.7	27.4	50.4	20.6
27	04.4	64.5	34.6	19.8	53.8	63.1	16.4	78.7	35.1	22.5	52.0	19.7
28	783.2	277.4	315.3	294.5	177.2	740.9	418.9	169.1	251.5	1,202.5	203.5	300.6
29	504.5	178.9	109.1	58.2	94.5	467.2	68.6	133.2	83.4	270.3	107.0	70.9
30	19,002,208	31,812,192	1,770,222	3,775,358	92,583,053	16,581,410	21,230,881	23,646,067	7,112,903	30,405,013	53,312,292	6,271,615
31	12,064,483	18,874,587	1,021,040	2,590,574	48,329,479	10,829,300	13,241,799	(1)	2,571,629	14,246,125	5,921,907	3,496,090
32	50.2	68.5	78.4	46.7	46.7	61.0	60.3		176.6	113.4		79.4
33	16,000,035	26,586,160	1,368,300	2,343,981	75,136,654	13,425,220	16,373,082	19,332,660	5,210,586	23,962,202	26,007,591	4,792,480
34	522,376	15,553,110	687,890	1,645,240	34,201,530	8,473,850	9,624,850	(1)	1,684,750	10,404,540	3,480,410	2,410,280
35	1,204,730	2,493,375	171,380	749,745	6,361,289	1,110,215	2,054,525	764,685	558,740	1,252,139	2,146,975	782,736
36	858,420	1,676,790	121,840	686,120	3,038,140	719,510	1,238,380	(1)	317,080	664,120	811,920	524,180
37	419,557	680,520	48,265	162,185	3,228,706	390,333	444,280	459,535	189,810	614,028	654,971	207,211
38	417,690	404,690	35,130	116,320	1,593,320	299,620	311,020	(1)	85,500	327,640	348,350	111,420
39	1,911,836	2,052,137	192,277	519,497	7,356,409	1,655,651	2,354,044	2,589,207	1,153,707	4,576,644	4,603,755	489,189
40	915,033	1,240,897	176,240	561,304	3,941,919	806,340	2,123,049	(1)	574,829	2,329,382	1,841,847	440,210
41	82.0	83.6	76.7	62.1	81.2	81.0	77.1	83.9	73.3	78.8	78.1	76.4
42	6.1	7.8	9.7	19.9	7.4	6.7	9.7	3.2	7.9	4.1	6.4	12.5
43	2.1	2.1	2.7	4.3	3.5	2.4	2.1	1.9	2.7	2.0	2.0	3.3
44	9.8	6.5	10.9	13.8	7.9	10.0	11.1	10.9	16.2	15.1	13.5	7.8
45	29,389	21,715	15,528	5,273	14,325	25,010	13,840	17,887	16,240	26,054	13,134	10,401
46	25,893	19,850	13,418	4,321	13,130	21,924	12,016	15,580	13,172	21,606	15,326	9,246
47	30.76	65.41	37.79	11.11	67.90	27.35	25.49	88.70	47.31	17.08	69.57	22.04
48	19.79	38.28	20.77	7.39	26.62	14.68	14.69	(1)	11.23	6.62	8.83	11.40
49	628	1,387	110	660	5,874	618	1,494	1,240	402	1,133	1,749	569
50	1,874,036	1,985,354	189,879	505,751	7,205,046	1,623,596	2,313,676	2,510,214	1,104,481	4,509,038	4,426,411	471,428
51	18,760	26,529	6,857	13,048	127,625	16,214	53,775	22,741	20,308	113,320	74,975	7,414
52	3,128	9,469	3,575	2,823	22,241	3,688	21,572	9,653	2,267	6,917	18,693	1,487
53	6,571	6,567	620	4,338	42,001	7,337	2,728	7,337	8,970	38,101	21,655	2,113
54	2,140	3,240	849	1,683	13,117	1,410	5,531	2,560	2,583	8,441	7,281	821
55	2,608	4,479	1,306	2,164	12,682	2,409	8,334	2,772	2,255	7,372	3,793	1,133
56	1,566	1,123	278	1,138	15,354	1,925	3,413	1,379	2,445	6,459	3,745	574
57	2,019	1,651	234	912	22,230	2,051	6,590	1,817	1,788	24,271	14,908	1,286
58	429,618	647,377	137,380	254,898	3,253,420	365,093	1,363,050	865,001	423,853	3,051,957	2,481,281	148,781
59	4,732	11,233	441	2,544	25,000	3,946	6,403	7,220	5,032	10,347	11,473	2,492
60	3,092	9,494	382	2,274	22,063	3,319	5,851	6,277	4,074	8,670	9,417	2,172
61	481	1,095	45	180	1,890	339	421	580	555	987	1,174	216
62	259	644	14	90	1,047	262	131	372	403	530	882	104
63	428,700	1,136,119	37,265	202,610	2,583,216	357,207	591,639	798,317	453,277	1,013,562	1,256,415	210,382
64	5,201	651	3	112	3,979	3,262	189	1,672	337	1,248	1,069	263
65	4,607	564	3	93	3,493	3,033	189	1,533	249	1,099	855	182
66	437	63		9	298	207		69	55	103	142	45
67	247	24		10	183	122		20	33	46	72	36
68	620,345	78,810	475	10,130	534,680	407,327	13,940	233,196	31,960	146,095	148,430	22,015
69	65	6		17	101	29	11	56	309	130	23	10
70	15,275	4,265		2,895	34,883	17,625	350	1,569	5,845	12,543	10,077	2,730
71	28,084	6,941	1,770	2,401	32,150	13,310	12,633	70,562	3,355	20,513	40,633	8,038
72	17,646	3,887	1,163	1,423	20,134	12,483	7,688	45,764	1,795	13,376	22,775	5,301
73	10,418	3,054	617	973	13,016	5,827	4,945	24,798	1,560	7,137	17,868	2,737
74	161,174	44,330	8,461	16,502	230,325	106,475	58,457	503,164	21,631	167,439	295,301	39,239
75	64,592	19,595	1,841	3,162	142,011	111,363	87,073	23,339	43,346	30,317	62,374	10,947
76	39,801	14,132	1,341	1,763	94,757	70,210	62,423	13,786	17,240	19,801	40,483	7,436
77	24,791	5,463	500	1,399	47,254	41,153	24,650	9,553	26,106	10,516	21,891	3,511
78	202,703	73,877	5,068	11,580	555,057	363,893	278,763	108,504	156,319	114,137	233,005	27,167
79	2,154	17	465	3,315	4,558	2,813	3,747	147	2,846	930	507	9,018
80	7,271	76	1,245	7,136	8,485	5,976	12,477	463	6,596	3,305	1,902	21,114
81	61,113	118,944	3,911	24,308	213,103	50,336	54,834	72,252	30,132	75,900	102,747	27,435
82	38,372	64,673	2,175	12,687	116,504	30,715	30,037	54,117	20,590	51,438	59,708	17,086
83	1,406	698	78	464	9,242	1,803	4,740	5,868	4,501	4,690	2,690	276
84	4,378	2,110	223	1,079	34,859	1,340	5,331	24,876	28,696	16,168	17,630	675

¹ Includes Belgian hares, valued at \$967.

² Includes Belgian hares, valued at \$6.

³ Includes animals, age or sex not specified.

TABLE 1.—FARMS AND FARM PROPERTY,

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

	Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino. ¹	Merced.	Modoc.
1 Population.....	4,802	504,131	8,368	25,114	3,956	23,929	15,148	6,191
2 <i>Population in 1900.....</i>	<i>4,511</i>	<i>170,298</i>	<i>6,364</i>	<i>15,702</i>	<i>4,720</i>	<i>20,465</i>	<i>9,215</i>	<i>5,070</i>
3 Number of all farms.....	502	7,919	573	498	330	1,356	1,856	736
4 <i>Number of all farms in 1900.....</i>	<i>555</i>	<i>6,577</i>	<i>523</i>	<i>452</i>	<i>331</i>	<i>1,452</i>	<i>1,990</i>	<i>736</i>
5 Color and nativity of farmers:								
6 Native white.....	412	5,682	419	138	253	966	1,054	639
7 Foreign-born white.....	77	1,613	151	360	63	363	780	90
8 Negro and other nonwhite.....	13	624	23	.....	14	27	22	17
9 Number of farms, classified by size:								
10 Under 3 acres.....	.....	438	.....	6	.....	.....	1	5
11 3 to 9 acres.....	9	2,125	13	35	1	42	86	18
12 10 to 19 acres.....	4	1,820	.....	54	4	61	213	13
13 20 to 49 acres.....	12	1,709	76	36	4	100	694	21
14 50 to 99 acres.....	32	698	23	30	21	151	295	44
15 100 to 174 acres.....	117	531	151	35	97	384	165	229
16 175 to 259 acres.....	51	192	27	40	15	151	46	68
17 260 to 499 acres.....	130	207	60	72	101	193	89	171
18 500 to 999 acres.....	84	114	59	111	51	124	100	92
19 1,000 acres and over.....	63	85	137	79	36	154	167	75
LAND AND FARM AREA								
20 Approximate land area..... acres.....	2,899,840	2,602,850	1,351,680	338,860	936,320	2,209,920	1,276,800	2,446,720
21 Land in farms..... acres.....	295,728	757,985	620,683	285,442	200,059	721,325	1,192,167	410,134
22 <i>Land in farms in 1900.....</i>	<i>581,100</i>	<i>895,693</i>	<i>454,069</i>	<i>322,974</i>	<i>160,166</i>	<i>742,924</i>	<i>1,702,907</i>	<i>298,765</i>
23 Improved land in farms..... acres.....	122,057	418,998	391,086	95,115	37,017	52,576	607,742	164,764
24 <i>Improved land in farms in 1900.....</i>	<i>153,266</i>	<i>518,744</i>	<i>277,721</i>	<i>47,859</i>	<i>14,003</i>	<i>75,007</i>	<i>618,976</i>	<i>122,647</i>
25 Woodland in farms..... acres.....	27,688	18,051	41,612	49,978	85,150	247,758	49,818	75,668
26 Other unimproved land in farms..... acres.....	145,983	320,936	187,965	120,349	83,892	390,939	504,007	169,682
27 Per cent of land area in farms.....	10.2	29.1	45.9	77.8	22.0	32.6	91.0	16.8
28 Per cent of farm land improved.....	41.3	55.3	63.0	35.3	18.0	11.4	52.3	40.2
29 Average acres per farm.....	580.1	95.7	1,083.2	526.0	624.4	532.0	626.2	557.2
30 Average improved acres per farm.....	243.1	52.9	682.5	187.0	112.2	60.9	327.4	228.9
VALUE OF FARM PROPERTY								
31 All farm property..... dollars.....	9,376,800	199,998,200	14,984,395	12,426,158	2,820,295	14,659,467	49,520,913	11,370,263
32 <i>All farm property in 1900.....</i>	<i>5,565,615</i>	<i>74,817,646</i>	<i>5,916,894</i>	<i>10,866,511</i>	<i>1,328,151</i>	<i>8,587,510</i>	<i>22,639,959</i>	<i>5,365,827</i>
33 Per cent increase, 1900-1910.....	74.8	167.3	153.3	14.4	113.0	70.7	118.8	112.1
34 Land..... dollars.....	6,331,832	180,354,798	12,263,638	9,384,625	1,817,100	10,774,439	40,047,324	7,379,085
35 <i>Land in 1900.....</i>	<i>2,949,510</i>	<i>84,189,220</i>	<i>4,588,770</i>	<i>8,330,150</i>	<i>752,090</i>	<i>5,340,250</i>	<i>13,449,650</i>	<i>2,825,390</i>
36 Buildings..... dollars.....	765,460	11,798,273	771,595	1,159,830	276,180	1,816,135	2,585,587	1,004,180
37 <i>Buildings in 1900.....</i>	<i>708,010</i>	<i>6,708,710</i>	<i>453,050</i>	<i>914,020</i>	<i>207,610</i>	<i>1,081,090</i>	<i>334,040</i>	<i>521,000</i>
38 Implements and machinery..... dollars.....	289,287	2,463,387	441,455	343,482	79,403	375,049	365,550	365,550
39 <i>Implements, etc., in 1900.....</i>	<i>265,220</i>	<i>1,438,080</i>	<i>214,100</i>	<i>207,110</i>	<i>59,060</i>	<i>219,520</i>	<i>301,480</i>	<i>174,800</i>
40 Domestic animals, poultry, and bees..... dollars.....	1,990,230	5,282,742	1,507,707	1,541,221	656,552	1,693,844	6,330,377	2,627,448
41 <i>Domestic animals, etc., in 1900.....</i>	<i>1,452,875</i>	<i>2,492,066</i>	<i>680,974</i>	<i>1,414,681</i>	<i>308,461</i>	<i>1,446,548</i>	<i>2,701,939</i>	<i>1,842,597</i>
42 Per cent of value of all property in—								
43 Land.....	67.5	90.2	81.8	75.5	64.2	73.5	80.9	64.9
44 Buildings.....	8.2	5.9	5.1	9.3	9.8	12.4	4.7	8.8
45 Implements and machinery.....	3.1	1.2	2.9	2.8	2.8	2.6	1.6	3.2
46 Domestic animals, poultry, and bees.....	21.2	2.7	10.1	12.4	23.2	11.6	12.8	23.1
47 Average values:								
48 All property per farm..... dollars.....	18,679	25,255	26,151	24,952	8,573	10,811	26,682	15,457
49 Land and buildings per farm..... dollars.....	14,138	24,265	22,749	21,168	6,343	9,285	22,837	11,360
50 Land per acre..... dollars.....	21.41	237.94	19.76	35.02	8.82	14.94	34.46	17.69
51 <i>Land per acre in 1900.....</i>	<i>7.74</i>	<i>71.67</i>	<i>9.47</i>	<i>25.84</i>	<i>4.70</i>	<i>7.39</i>	<i>10.83</i>	<i>9.46</i>
DOMESTIC ANIMALS (farms and ranges)								
52 Farms reporting domestic animals.....	489	6,544	539	478	316	1,306	1,733	704
53 Value of domestic animals..... dollars.....	1,979,199	4,734,487	1,493,568	1,436,075	647,733	1,057,805	6,260,477	2,612,918
54 Cattle:								
55 Total number.....	43,832	43,095	27,905	39,266	16,671	30,154	150,467	46,916
56 Dairy cows.....	2,800	20,524	1,592	24,803	905	6,454	19,678	2,908
57 Other cows.....	18,444	8,027	12,406	3,564	7,477	9,280	43,250	18,502
58 Yearling heifers.....	5,975	5,561	2,425	2,880	1,602	3,054	14,558	6,937
59 Calves.....	4,906	6,211	2,975	6,509	2,115	3,980	14,625	4,008
60 Yearling steers and bulls.....	5,456	1,666	2,252	567	1,683	2,503	11,036	6,517
61 Other steers and bulls.....	6,161	1,108	3,946	641	2,876	4,833	34,767	7,449
62 Value..... dollars.....	871,941	1,473,509	582,792	1,046,404	370,521	507,758	4,343,845	1,005,026
63 Horses:								
64 Total number.....	9,515	22,424	4,070	2,558	2,240	5,994	12,556	15,636
65 Mature horses.....	7,548	20,375	3,498	2,338	1,806	5,300	10,308	12,247
66 Yearling colts.....	1,406	1,376	334	166	218	510	1,453	2,212
67 Spring colts.....	561	673	238	54	126	184	795	676
68 Value..... dollars.....	702,420	2,479,207	386,856	243,075	182,986	541,605	1,063,537	1,145,568
69 Mules:								
70 Total number.....	702	2,570	3,141	11	286	309	4,076	1,132
71 Mature mules.....	414	2,459	2,928	11	201	298	3,673	565
72 Yearling colts.....	185	76	154	.....	46	10	198	441
73 Spring colts.....	103	35	59	.....	49	1	204	126
74 Value..... dollars.....	60,681	390,200	454,606	980	30,565	27,421	482,209	93,005
75 Asses and burros:								
76 Number.....	119	84	49	.....	83	29	107	98
77 Value..... dollars.....	20,220	3,806	9,301	.....	10,183	1,240	17,432	26,511
78 Swine:								
79 Total number.....	5,034	28,942	6,853	16,099	8,882	22,069	29,635	8,488
80 Mature hogs.....	3,079	18,418	4,444	8,812	6,160	14,600	19,414	5,328
81 Spring pigs.....	1,955	10,524	2,409	7,287	2,722	7,469	10,121	3,160
82 Value..... dollars.....	30,513	230,390	36,151	126,569	46,704	102,615	185,474	53,595
83 Sheep:								
84 Total number.....	72,725	31,091	10,106	2,955	1,181	129,770	39,768	76,562
85 Rams, ewes, and wethers.....	42,490	22,261	6,269	1,930	877	88,760	23,044	46,078
86 Spring lambs.....	30,235	8,830	3,837	1,025	304	41,010	11,724	30,484
87 Value..... dollars.....	291,562	136,536	23,145	14,391	4,409	377,121	152,708	286,582
88 Goats:								
89 Number.....	586	8,238	278	147	931	3,927	5,246	549
90 Value..... dollars.....	1,832	20,839	717	556	2,365	10,215	21,272	2,381
POULTRY AND BEES								
91 Number of poultry of all kinds.....	19,297	513,965	23,246	203,277	12,217	56,807	83,998	23,789
92 Value..... dollars.....	9,957	547,968	13,024	104,178	8,668	34,665	51,943	11,466
93 Number of colonies of bees.....	298	25,930	375	20	34	441	4,072	839
94 Value..... dollars.....	1,074	99,762	1,115	68	181	1,374	11,957	3,004

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.² 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.]

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacra- mento.	San Benito.	San Bernardino.	San Diego. ²	San Francisco.
1	2,042	24,146	19,800	14,955	34,436	18,237	5,259	34,696	67,806	8,041	56,706	61,665	416,912
2	2,107	19,380	16,451	17,789	18,688	16,788	4,667	17,397	45,915	6,653	27,929	55,090	342,782
3	91	1,658	1,537	544	3,165	1,062	221	2,688	1,601	921	2,949	2,298	157
4	112	1,850	1,356	522	2,538	1,070	287	2,340	1,592	907	2,550	2,698	504
5	44	933	1,006	349	2,362	619	155	2,044	885	618	2,365	1,591	30
6	42	676	627	184	718	203	63	517	485	289	567	586	118
7	5	49	4	11	85	180	3	127	231	16	17	121	9
8	-----	11	14	7	28	2	-----	42	12	7	76	20	60
9	3	69	136	61	531	52	6	462	167	87	587	236	50
10	1	71	223	36	802	109	5	596	237	83	918	345	11
11	1	182	355	77	1,043	289	9	614	321	118	703	414	15
12	4	185	226	69	361	206	12	202	170	93	278	269	7
13	27	263	223	88	175	174	45	262	223	107	209	337	4
14	12	127	92	53	60	99	19	99	96	56	70	146	1
15	10	282	112	84	86	75	37	166	173	144	75	246	-----
16	10	225	84	41	52	50	46	104	111	109	35	156	-----
17	17	243	72	28	37	36	42	81	91	117	18	129	-----
18	1,939,200	2,131,200	501,120	623,300	508,800	892,800	1,660,100	4,633,600	629,120	890,880	12,900,480	2,701,440	27,520
19	115,672	1,147,416	360,580	175,398	371,692	248,080	134,259	520,806	473,044	544,301	206,896	384,428	2,091
20	180,063	1,087,032	319,327	180,745	589,436	440,371	184,449	427,097	603,488	612,719	219,132	809,419	3,219
21	43,332	371,509	101,114	24,842	189,493	98,608	54,281	278,151	275,632	186,573	136,625	234,045	1,562
22	62,338	373,605	111,968	24,893	236,347	121,065	57,351	216,033	327,159	103,693	96,920	229,791	5,329
23	8,303	130,377	193,578	45,449	4,476	32,194	27,238	20,231	20,964	52,466	23,137	71,020	289
24	63,987	635,530	65,888	102,407	177,763	117,278	62,740	212,424	176,398	305,262	43,634	529,361	240
25	6.0	53.8	72.0	28.1	73.1	27.8	8.1	11.2	75.2	61.1	1.6	30.9	7.6
26	37.5	32.4	28.0	14.0	51.0	39.7	40.4	53.4	58.3	34.3	65.6	28.0	74.7
27	1,271.1	692.0	234.6	322.4	117.4	233.6	607.5	193.8	295.5	591.0	70.7	383.1	13.3
28	476.7	224.1	65.8	45.1	59.9	92.9	245.6	103.5	172.2	202.6	46.3	101.8	9.9
29	2,347,707	35,021,930	18,082,006	3,022,685	64,357,852	10,234,101	3,362,955	46,203,795	36,694,682	14,963,867	63,499,103	31,124,814	2,630,428
30	1,176,743	19,409,742	12,337,048	1,947,640	22,346,595	6,547,701	2,239,876	21,644,031	19,326,688	9,117,063	24,656,402	18,348,677	2,407,893
31	99.7	80.4	46.6	56.2	188.0	56.3	60.1	118.5	89.9	64.1	177.8	-----	9.2
32	1,537,813	27,885,000	13,086,656	1,817,417	55,952,755	7,747,744	2,201,654	39,303,652	30,425,404	11,272,156	60,681,348	23,934,732	2,097,111
33	519,040	15,632,700	3,925,780	1,116,980	18,535,640	4,339,730	1,211,530	18,488,110	15,189,370	7,067,190	21,000,370	14,133,990	1,355,030
34	154,709	2,178,728	3,365,470	664,400	4,060,795	1,390,840	532,166	3,666,689	3,205,416	1,336,855	5,233,858	3,337,332	328,789
35	87,399	1,363,700	2,181,600	447,600	2,177,040	998,680	337,010	1,999,890	2,169,630	868,340	2,573,120	2,170,180	228,100
36	45,345	811,886	500,921	132,857	1,148,222	320,033	123,300	1,112,139	786,333	391,038	1,077,851	851,691	68,270
37	28,340	502,400	367,980	102,810	466,500	222,080	97,240	399,280	528,080	278,080	325,860	633,980	71,200
38	559,939	4,146,316	1,123,959	403,011	2,596,030	706,434	505,845	2,061,265	2,277,479	1,963,798	1,501,046	3,001,109	138,253
39	542,933	1,920,942	871,998	280,090	1,179,415	427,351	644,096	766,791	1,448,346	935,498	637,052	1,608,517	253,563
40	67.6	79.6	72.4	60.1	86.9	75.7	65.5	85.2	82.9	75.3	83.6	76.9	79.7
41	6.6	6.2	13.6	22.0	7.2	13.7	15.8	7.9	8.7	7.0	7.0	10.7	12.4
42	1.9	2.3	2.8	4.4	1.8	3.1	3.7	2.4	2.1	2.6	1.6	2.7	2.6
43	23.9	11.8	6.2	13.5	4.0	7.5	15.0	4.5	6.2	13.1	2.2	9.6	5.3
44	25,800	21,123	11,764	5,556	20,334	9,637	15,217	17,139	22,920	16,247	23,228	13,544	16,754
45	10,148	18,133	10,704	4,562	19,151	8,614	12,370	16,008	21,006	13,691	22,353	11,868	15,439
46	13.73	24.30	36.29	10.30	150.54	31.23	16.40	75.58	64.32	20.71	291.13	28.68	1,002.92
47	2.79	14.38	27.95	9.25	30.22	10.99	6.57	43.29	22.72	13.76	95.83	17.46	225.70
48	85	1,582	1,395	507	2,862	994	209	2,132	1,494	363	2,278	2,170	106
49	556,310	4,069,857	1,065,340	393,204	2,453,878	737,464	499,037	1,937,237	2,187,810	1,909,398	1,406,523	2,790,287	111,230
50	5,301	88,880	15,866	8,606	18,220	7,510	11,401	19,468	31,188	39,703	12,761	58,777	2,510
51	450	14,066	6,270	2,395	0,184	2,421	3,437	5,235	11,979	4,823	3,043	10,633	1,645
52	2,270	27,628	3,945	2,950	4,473	2,283	1,954	4,449	5,484	11,004	4,389	15,815	10
53	803	11,046	1,403	832	2,124	602	1,561	2,493	3,195	4,459	1,976	7,874	531
54	606	13,806	2,518	1,069	2,231	1,204	1,586	2,203	5,568	5,894	925	8,088	174
55	685	7,502	768	495	1,168	428	1,468	1,333	1,529	4,151	481	6,490	75
56	427	13,133	937	805	2,040	532	1,395	3,755	1,061	8,937	2,847	9,877	25
57	107,941	2,079,939	395,721	174,067	506,811	182,327	279,651	484,032	338,431	399,660	335,713	1,356,302	77,015
58	2,097	17,444	5,910	2,074	10,565	4,193	2,044	10,315	9,969	8,475	6,873	11,498	319
59	1,655	14,172	5,145	1,830	9,580	3,762	1,770	8,969	8,770	6,921	6,399	9,663	318
60	310	1,993	528	124	760	294	208	948	773	955	372	1,130	-----
61	132	1,268	237	70	225	137	68	403	426	599	167	705	1
62	175,884	1,676,690	540,055	161,139	1,338,440	398,692	200,409	1,157,357	1,022,335	843,935	899,831	1,262,938	32,480
63	136	642	372	68	2,288	498	43	1,429	743	96	773	768	-----
64	73	548	345	57	2,223	459	41	1,303	703	74	757	683	-----
65	46	68	18	11	38	18	2	83	30	19	18	60	-----
66	17	30	9	-----	7	26	-----	43	10	3	3	23	-----
67	11,535	85,550	37,970	5,495	396,360	58,460	4,435	205,099	87,020	11,145	139,476	95,870	-----
68	62	26	10	-----	25	66	5	88	19	29	88	181	-----
69	1,630	5,256	1,316	205	1,195	1,529	1,560	9,050	6,245	945	1,789	11,036	-----
70	423	20,031	3,344	1,816	4,448	3,337	1,409	6,160	10,455	8,132	3,749	7,391	281
71	179	12,567	5,160	1,977	2,265	1,822	665	3,892	6,421	5,572	2,562	4,261	181
72	244	7,464	3,184	749	2,133	1,595	744	2,258	4,034	2,560	1,187	3,130	100
73	2,766	119,455	51,530	12,602	32,959	23,785	9,222	44,770	73,278	87,263	29,173	59,842	1,655
74	63,046	28,874	10,878	11,162	43,678	24,468	1,159	7,009	46,957	15,146	7	289	3
75	40,805	17,029	6,594	6,853	31,802	15,142	845	5,589	25,823	10,635	7	220	3
76	22,241	11,345	5,084	4,309	11,876	9,326	314	1,420	21,129	4,511	-----	69	-----
77	256,477	91,991	37,076	34,960	176,893	68,716	4,080	30,167	160,221	55,239	35	1,810	20
78	25	3,983	556	2,193	4,423	1,542	10	924	89	489	81	1,147	9
79	77	10,976	1,873	4,736	1,220	3,455	32	6,712	280	1,159	506	2,789	60
80	2,515	128,325	108,777	23,482	136,746	43,619	9,649	84,228	116,550	95,289	91,093	130,168	42,649
81	1,584	63,260	61,777	13,731	125,423	26,714	6,272	61,742	84,183	50,414	65,160	104,829	26,889
82	438	3,689	624	260	5,159	657	121	18,900	1,335	1,177	8,073	30,566	6
83	2,045	13,199	1,842	1,076	16,779	2,256	484	62,286	5,481	3,993	29,363	105,993	14

* See explanation for 1900 figures at close of text.
 † Includes Belgian hares, valued at \$525.

‡ Includes Belgian hares, valued at \$125.
 § Includes animals, age or sex not specified.

TABLE 1.—FARMS AND FARM PROPERTY,

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

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
1 Population.....	50,731	19,383	26,585	27,738	83,539	26,140	18,920	4,098
2 <i>Population in 1900</i>	<i>55,452</i>	<i>19,687</i>	<i>18,094</i>	<i>18,934</i>	<i>60,218</i>	<i>21,512</i>	<i>17,318</i>	<i>4,017</i>
3 Number of all farms.....	3,286	1,714	665	1,355	4,731	1,466	1,010	110
4 <i>Number of all farms in 1900</i>	<i>1,969</i>	<i>1,818</i>	<i>551</i>	<i>1,149</i>	<i>3,995</i>	<i>1,274</i>	<i>1,221</i>	<i>141</i>
Color and nativity of farmers:								
5 Native white.....	2,179	929	258	874	2,725	851	825	77
6 Foreign-born white.....	977	767	390	448	1,860	538	151	32
7 Negro and other nonwhites.....	130	18	17	33	146	27	34	1
Number of farms, classified by size:								
8 Under 3 acres.....	9	7	46	17	68	18	6	1
9 3 to 9 acres.....	204	65	81	130	773	226	16	6
10 10 to 19 acres.....	531	80	55	140	1,186	198	29	3
11 20 to 49 acres.....	797	179	112	212	1,317	384	103	4
12 50 to 99 acres.....	397	187	61	164	562	293	111	5
13 100 to 174 acres.....	395	267	90	185	376	188	300	25
14 175 to 259 acres.....	217	123	52	105	141	60	96	4
15 260 to 499 acres.....	371	304	67	133	147	52	190	19
16 500 to 999 acres.....	221	288	60	93	75	25	93	13
17 1,000 acres and over.....	144	214	41	171	86	22	66	25
LAND AND FARM AREA								
18 Approximate land area..... acres.....	926,720	2,133,700	286,080	1,753,600	849,920	278,400	2,469,120	590,720
19 Land in farms..... acres.....	703,048	1,588,660	160,555	1,120,475	734,819	157,308	389,218	84,220
20 <i>Land in farms in 1900</i> acres.....	<i>701,065</i>	<i>1,034,480</i>	<i>149,944</i>	<i>922,611</i>	<i>710,686</i>	<i>160,438</i>	<i>347,180</i>	<i>74,609</i>
21 Improved land in farms..... acres.....	611,762	326,928	100,800	215,552	237,170	66,875	96,217	30,794
22 <i>Improved land in farms in 1900</i> acres.....	<i>602,023</i>	<i>412,359</i>	<i>72,429</i>	<i>202,933</i>	<i>290,225</i>	<i>62,349</i>	<i>86,540</i>	<i>29,887</i>
23 Woodland in farms..... acres.....	35,837	174,891	27,334	276,071	153,835	44,157	151,113	18,168
24 Other unimproved land in farms..... acres.....	115,899	1,086,841	32,521	628,852	348,814	40,276	141,888	35,258
25 Per cent of land area in farms.....	82.3	74.5	56.2	63.9	86.5	56.5	15.8	14.3
26 Per cent of farm land improved.....	80.2	20.6	62.7	19.2	32.3	42.5	24.7	36.6
27 Average acres per farm.....	282.2	926.9	241.6	826.9	155.3	107.3	385.4	765.6
28 Average improved acres per farm.....	180.2	190.7	151.6	159.1	50.1	45.6	95.3	279.9
VALUE OF FARM PROPERTY								
29 All farm property..... dollars.....	67,286,028	32,426,353	20,870,585	43,544,076	67,187,549	17,653,136	7,847,929	1,650,799
30 <i>All farm property in 1900</i> dollars.....	<i>31,212,424</i>	<i>14,655,767</i>	<i>10,364,856</i>	<i>18,271,865</i>	<i>50,724,703</i>	<i>11,443,160</i>	<i>4,480,463</i>	<i>895,895</i>
31 Per cent increase, 1900-1910.....	115.5	121.6	101.6	138.3	32.5	54.3	77.5	65.8
32 Land..... dollars.....	55,909,884	24,745,375	17,448,280	35,556,593	52,832,603	14,103,715	5,403,079	962,575
33 <i>Land in 1900</i> dollars.....	<i>25,769,590</i>	<i>11,155,180</i>	<i>8,201,140</i>	<i>14,849,440</i>	<i>48,870,340</i>	<i>9,094,410</i>	<i>3,980,080</i>	<i>564,990</i>
34 Buildings..... dollars.....	5,675,065	2,136,447	2,006,705	3,004,679	9,125,640	2,299,890	851,760	202,125
35 <i>Buildings in 1900</i> dollars.....	<i>2,297,190</i>	<i>1,272,320</i>	<i>1,393,320</i>	<i>1,376,290</i>	<i>6,532,710</i>	<i>1,452,080</i>	<i>538,500</i>	<i>179,770</i>
36 Implements and machinery..... dollars.....	1,741,053	742,498	398,327	804,264	1,942,339	401,107	289,511	65,524
37 <i>Implements, etc., in 1900</i> dollars.....	<i>607,410</i>	<i>479,840</i>	<i>173,600</i>	<i>305,770</i>	<i>1,287,660</i>	<i>246,530</i>	<i>168,460</i>	<i>37,480</i>
38 Domestic animals, poultry, and bees..... dollars.....	3,900,026	4,802,035	1,017,273	4,178,540	* 3,236,967	788,424	1,303,589	360,576
39 <i>Domestic animals, etc., in 1900</i> dollars.....	<i>2,244,294</i>	<i>1,749,917</i>	<i>646,786</i>	<i>1,681,565</i>	<i>1,634,093</i>	<i>649,790</i>	<i>737,865</i>	<i>215,155</i>
Per cent of value of all property in—								
40 Land.....	83.1	76.3	83.6	81.7	78.7	79.9	68.8	58.3
41 Buildings.....	8.4	6.6	9.6	6.9	13.6	13.0	10.9	15.9
42 Implements and machinery.....	2.6	2.3	1.9	1.8	2.9	2.6	3.7	4.0
43 Domestic animals, poultry, and bees.....	5.9	14.8	4.9	9.6	4.8	4.5	16.6	21.3
Average values:								
44 All property per farm..... dollars.....	20,477	18,919	31,384	32,136	14,202	12,042	7,770	15,007
45 Land and buildings per farm..... dollars.....	18,742	15,684	29,256	28,458	13,107	11,189	6,193	11,134
46 Land per acre..... dollars.....	73.27	15.58	108.61	31.73	71.97	89.86	13.88	11.43
47 <i>Land per acre in 1900</i> dollars.....	<i>54.51</i>	<i>10.76</i>	<i>54.69</i>	<i>16.10</i>	<i>59.48</i>	<i>66.08</i>	<i>8.69</i>	<i>7.57</i>
DOMESTIC ANIMALS (farms and ranges)								
48 Farms reporting domestic animals.....	2,938	1,654	627	1,285	3,963	1,340	962	104
49 Value of domestic animals..... dollars.....	3,850,155	4,733,160	990,208	4,119,104	3,108,853	739,727	1,282,743	357,497
Cattle:								
50 Total number.....	31,296	*118,704	15,288	*67,576	*46,030	10,100	34,119	7,787
51 Dairy cows.....	11,804	24,193	8,119	11,690	12,131	4,210	2,923	1,563
52 Other cows.....	6,851	22,803	2,305	23,752	12,251	1,811	15,433	2,208
53 Yearling heifers.....	3,836	10,345	1,848	6,891	4,449	1,113	3,678	850
54 Calves.....	4,960	15,635	2,978	11,524	5,443	1,779	3,308	374
55 Yearling steers and bulls.....	1,837	8,948	369	8,026	3,133	438	3,197	431
56 Other steers and bulls.....	1,398	33,130	272	24,578	7,552	749	5,580	1,401
57 Value..... dollars.....	874,334	*2,789,415	493,646	*2,223,007	*1,218,607	259,500	677,094	199,156
Horses:								
58 Total number.....	*90,972	15,274	4,295	13,034	18,316	4,200	5,217	1,304
59 Mature horses.....	18,256	12,601	3,940	10,621	14,405	3,814	4,516	1,196
60 Yearling colts.....	1,507	1,986	253	1,429	899	260	488	155
61 Spring colts.....	1,089	987	102	971	512	110	213	40
62 Value..... dollars.....	*2,247,876	1,451,086	425,976	1,398,385	1,763,731	435,787	396,414	136,066
Mules:								
63 Total number.....	3,530	877	12	443	274	88	294	20
64 Mature mules.....	3,169	754	10	362	267	84	224	20
65 Yearling colts.....	217	83	2	75	7	4	57	.....
66 Spring colts.....	144	40	.....	25	.....	.....	13	.....
67 Value..... dollars.....	482,560	108,795	915	53,740	29,026	8,150	23,225	1,450
Asses and burros:								
68 Number.....	62	19	2	24	11	6	23	4
69 Value..... dollars.....	16,760	2,095	50	4,380	150	125	2,635	325
Swine:								
70 Total number.....	23,454	17,868	12,682	22,073	7,349	3,674	18,800	664
71 Mature hogs.....	13,473	11,750	8,692	15,113	4,165	2,165	12,832	370
72 Spring pigs.....	9,981	6,118	3,990	6,960	3,184	1,509	5,968	294
73 Value..... dollars.....	143,626	110,830	93,912	162,635	61,121	27,421	96,329	4,198
Sheep:								
74 Total number.....	24,819	86,953	1,329	80,533	10,055	1,579	17,023	3,098
75 Rams, ewes, and wethers.....	14,807	54,717	767	60,205	4,449	876	11,449	3,005
76 Spring lambs.....	10,012	32,236	562	20,328	5,606	703	5,574	93
77 Value..... dollars.....	83,771	256,156	5,140	275,259	32,553	5,454	44,945	15,579
Goats:								
78 Number.....	280	7,390	154	558	163	1,043	18,403	73
79 Value..... dollars.....	728	14,733	569	1,698	665	3,230	41,501	184
POULTRY AND BEES								
80 Number of poultry of all kinds.....	175,456	119,822	47,625	89,995	209,093	85,705	35,873	4,458
81 Value..... dollars.....	101,710	53,605	26,112	46,515	122,299	46,054	19,226	2,950
82 Number of colonies of bees.....	3,014	3,936	289	4,072	2,542	693	689	49
83 Value..... dollars.....	8,161	15,268	953	12,621	8,615	2,643	1,620	128

* Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

* See explanation at close of text.

STATISTICS OF AGRICULTURE.

BY COUNTIES: APRIL 15, 1910—Continued.

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

	Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. ¹	Tuolumna.	Ventura.	Yolo.	Yuba.	Indian res.
1	18,801	27,559	48,304	22,522	6,328	11,401	3,801	35,440	9,979	18,347	13,926	10,042	
2	<i>16,969</i>	<i>24,143</i>	<i>38,480</i>	<i>9,550</i>	<i>5,886</i>	<i>10,996</i>	<i>4,885</i>	<i>18,575</i>	<i>11,166</i>	<i>14,867</i>	<i>18,618</i>	<i>8,620</i>	
3	1,114	1,143	4,772	2,687	873	1,006	308	4,021	386	1,293	1,255	436	
4	<i>951</i>	<i>1,151</i>	<i>3,676</i>	<i>951</i>	<i>728</i>	<i>1,055</i>	<i>272</i>	<i>2,212</i>	<i>467</i>	<i>1,269</i>	<i>1,214</i>	<i>435</i>	<i>287</i>
5	852	620	2,737	1,879	696	799	235	3,253	241	965	934	338	
6	218	449	2,012	801	154	188	55	707	143	807	255	91	
7	44	74	23	7	23	19	18	61	2	21	60	7	
8	1	6	40	13		7	6	9	1	13	4		
9	21	45	916	153	57	34	9	171	4	87	55	13	
10	36	60	890	319	101	119	9	390	15	120	115	20	
11	88	198	1,040	1,046	142	108	24	1,247	28	199	283	33	
12	98	170	522	439	91	102	23	647	27	214	166	34	
13	388	167	508	102	123	151	148	597	105	207	170	82	
14	84	89	233	83	84	51	23	198	35	142	83	30	
15	199	156	299	125	123	119	41	364	88	155	189	93	
16	124	144	202	142	78	86	15	197	43	90	107	64	
17	75	108	122	175	74	139	10	201	40	60	85	67	
18	4,003,840	528,080	1,009,280	928,000	389,120	1,851,520	2,026,240	3,107,840	1,401,600	1,201,920	648,960	408,960	
19	<i>455,876</i>	<i>474,866</i>	<i>744,644</i>	<i>649,392</i>	<i>2,385,462</i>	<i>915,227</i>	<i>91,310</i>	<i>1,045,231</i>	<i>193,072</i>	<i>550,199</i>	<i>463,333</i>	<i>249,108</i>	
20	<i>152,859</i>	<i>180,551</i>	<i>785,064</i>	<i>850,692</i>	<i>293,287</i>	<i>1,059,768</i>	<i>76,638</i>	<i>1,089,727</i>	<i>204,768</i>	<i>552,359</i>	<i>552,668</i>	<i>312,821</i>	<i>17,124</i>
21	<i>186,147</i>	<i>310,452</i>	<i>248,271</i>	<i>512,159</i>	<i>199,510</i>	<i>185,642</i>	<i>13,300</i>	<i>507,024</i>	<i>36,407</i>	<i>213,808</i>	<i>317,268</i>	<i>94,280</i>	
22	<i>181,089</i>	<i>344,058</i>	<i>221,574</i>	<i>622,700</i>	<i>206,877</i>	<i>269,698</i>	<i>14,141</i>	<i>540,289</i>	<i>30,401</i>	<i>174,419</i>	<i>351,213</i>	<i>154,019</i>	<i>5,244</i>
23	<i>82,544</i>	<i>44,534</i>	<i>278,507</i>	<i>18,756</i>	<i>18,956</i>	<i>206,234</i>	<i>31,882</i>	<i>161,360</i>	<i>62,215</i>	<i>60,061</i>	<i>77,876</i>	<i>70,176</i>	
24	<i>187,185</i>	<i>119,880</i>	<i>217,866</i>	<i>18,447</i>	<i>171,996</i>	<i>222,351</i>	<i>46,128</i>	<i>376,847</i>	<i>94,450</i>	<i>280,270</i>	<i>68,539</i>	<i>84,688</i>	
25	11.4	90.3	73.8	70.0	99.1	49.4	4.5	33.6	13.8	45.8	71.4	60.9	
26	40.8	65.4	33.3	78.9	51.8	20.4	14.6	38.5	18.9	33.9	68.5	37.8	
27	409.2	415.5	156.0	241.7	441.5	909.8	296.5	259.9	500.2	425.5	369.2	671.3	
28	167.1	271.6	62.0	190.6	228.5	185.5	43.2	126.1	94.3	165.4	262.8	216.2	
29	14,270,302	23,727,683	55,351,049	43,787,887	19,115,593	16,821,178	1,501,469	76,539,642	2,942,322	48,262,645	31,798,096	6,606,211	
30	<i>7,705,769</i>	<i>20,780,434</i>	<i>33,071,707</i>	<i>17,031,850</i>	<i>9,182,781</i>	<i>16,030,104</i>	<i>1,040,781</i>	<i>20,287,801</i>	<i>2,131,145</i>	<i>21,433,487</i>	<i>19,082,781</i>	<i>4,703,613</i>	<i>409,361</i>
31	<i>86.2</i>	<i>88.2</i>	<i>67.4</i>	<i>157.1</i>	<i>108.2</i>	<i>4.9</i>	<i>52.9</i>	<i>277.3</i>	<i>38.1</i>	<i>125.2</i>	<i>59.1</i>	<i>41.7</i>	
32	10,352,935	23,025,081	41,512,766	35,324,243	14,869,242	12,932,446	900,855	64,455,554	1,779,470	41,826,120	25,684,710	4,911,611	
33	<i>5,084,110</i>	<i>16,908,810</i>	<i>25,286,760</i>	<i>13,671,850</i>	<i>6,775,380</i>	<i>11,720,120</i>	<i>553,450</i>	<i>16,898,600</i>	<i>1,224,260</i>	<i>18,549,290</i>	<i>16,006,280</i>	<i>3,375,160</i>	<i>218,920</i>
34	<i>1,411,810</i>	<i>2,278,540</i>	<i>8,788,787</i>	<i>3,320,475</i>	<i>2,032,535</i>	<i>1,234,375</i>	<i>274,280</i>	<i>4,195,452</i>	<i>451,955</i>	<i>2,365,140</i>	<i>2,799,277</i>	<i>688,565</i>	
35	<i>1,056,890</i>	<i>1,905,970</i>	<i>4,618,580</i>	<i>1,287,900</i>	<i>987,700</i>	<i>2,091,800</i>	<i>171,560</i>	<i>1,376,960</i>	<i>337,850</i>	<i>1,491,250</i>	<i>1,935,560</i>	<i>637,130</i>	<i>78,550</i>
36	<i>420,745</i>	<i>767,136</i>	<i>1,326,832</i>	<i>820,079</i>	<i>458,269</i>	<i>494,932</i>	<i>99,119</i>	<i>1,805,419</i>	<i>114,830</i>	<i>1,112,312</i>	<i>795,162</i>	<i>171,735</i>	
37	<i>284,520</i>	<i>649,820</i>	<i>817,810</i>	<i>537,280</i>	<i>312,780</i>	<i>440,020</i>	<i>81,180</i>	<i>716,450</i>	<i>102,070</i>	<i>122,870</i>	<i>102,070</i>	<i>151,020</i>	<i>25,420</i>
38	<i>2,084,812</i>	<i>2,656,926</i>	<i>3,752,724</i>	<i>4,333,090</i>	<i>1,755,647</i>	<i>2,189,425</i>	<i>347,235</i>	<i>6,083,217</i>	<i>596,067</i>	<i>2,958,573</i>	<i>2,518,947</i>	<i>894,300</i>	
39	<i>1,279,749</i>	<i>1,321,834</i>	<i>2,291,187</i>	<i>1,581,920</i>	<i>304,981</i>	<i>1,778,104</i>	<i>264,639</i>	<i>2,296,791</i>	<i>346,065</i>	<i>910,677</i>	<i>1,037,461</i>	<i>532,683</i>	<i>80,451</i>
40	72.5	80.2	75.0	80.7	77.8	76.9	56.6	84.2	36.7	86.7	80.8	73.7	
41	9.9	7.9	15.8	7.6	10.8	7.3	17.2	5.5	15.4	4.9	8.8	10.3	
42	2.9	2.7	2.4	1.9	2.4	2.9	4.3	2.4	3.9	2.3	2.5	2.6	
43	14.6	9.2	6.8	9.9	9.2	12.8	21.8	7.9	20.3	6.1	7.9	13.4	
44	12,810	25,134	11,599	16,296	21,896	16,721	5,167	19,035	7,623	37,326	25,337	15,289	
45	<i>10,561</i>	<i>22,138</i>	<i>10,535</i>	<i>15,382</i>	<i>19,361</i>	<i>14,082</i>	<i>3,815</i>	<i>17,073</i>	<i>5,781</i>	<i>34,177</i>	<i>22,606</i>	<i>12,844</i>	
46	<i>22,71</i>	<i>48,49</i>	<i>55,75</i>	<i>54,40</i>	<i>38,58</i>	<i>14,13</i>	<i>9,87</i>	<i>61,67</i>	<i>9,22</i>	<i>76,02</i>	<i>55,43</i>	<i>10,72</i>	
47	<i>11.23</i>	<i>35.17</i>	<i>82.21</i>	<i>16.46</i>	<i>23.79</i>	<i>12.33</i>	<i>7.67</i>	<i>15.00</i>	<i>6.27</i>	<i>83.58</i>	<i>28.81</i>	<i>10.81</i>	<i>12.78</i>
48	1,034	1,087	4,330	2,555	821	949	296	3,805	372	1,207	1,178	422	
49	<i>2,053,544</i>	<i>2,616,747</i>	<i>2,928,810</i>	<i>4,240,461</i>	<i>1,709,131</i>	<i>2,110,800</i>	<i>342,089</i>	<i>5,050,238</i>	<i>585,892</i>	<i>2,826,239</i>	<i>2,405,128</i>	<i>875,220</i>	
50	<i>45,079</i>	<i>21,784</i>	<i>648,727</i>	<i>49,132</i>	<i>16,604</i>	<i>25,309</i>	<i>11,885</i>	<i>104,484</i>	<i>18,659</i>	<i>29,929</i>	<i>18,977</i>	<i>13,504</i>	
51	<i>7,018</i>	<i>9,279</i>	<i>24,961</i>	<i>20,678</i>	<i>6,728</i>	<i>3,462</i>	<i>804</i>	<i>26,765</i>	<i>1,773</i>	<i>2,666</i>	<i>7,197</i>	<i>2,255</i>	
52	<i>14,781</i>	<i>4,257</i>	<i>5,835</i>	<i>9,047</i>	<i>3,254</i>	<i>10,691</i>	<i>5,143</i>	<i>29,478</i>	<i>8,415</i>	<i>5,887</i>	<i>3,761</i>	<i>4,773</i>	
53	<i>5,985</i>	<i>1,933</i>	<i>4,804</i>	<i>5,294</i>	<i>1,939</i>	<i>2,646</i>	<i>1,415</i>	<i>11,011</i>	<i>2,040</i>	<i>2,139</i>	<i>2,654</i>	<i>1,628</i>	
54	<i>4,910</i>	<i>3,720</i>	<i>9,517</i>	<i>7,253</i>	<i>2,623</i>	<i>3,520</i>	<i>1,126</i>	<i>16,092</i>	<i>2,977</i>	<i>2,442</i>	<i>2,040</i>	<i>1,827</i>	
55	<i>5,859</i>	<i>1,187</i>	<i>1,805</i>	<i>2,022</i>	<i>1,012</i>	<i>2,590</i>	<i>1,308</i>	<i>8,784</i>	<i>1,531</i>	<i>2,005</i>	<i>1,194</i>	<i>1,152</i>	
56	<i>6,513</i>	<i>1,408</i>	<i>1,705</i>	<i>3,765</i>	<i>823</i>	<i>2,400</i>	<i>2,089</i>	<i>10,429</i>	<i>1,223</i>	<i>10,850</i>	<i>1,522</i>	<i>1,959</i>	
57	<i>1,010,902</i>	<i>605,378</i>	<i>1,160,971</i>	<i>1,728,698</i>	<i>465,202</i>	<i>512,747</i>	<i>211,324</i>	<i>2,713,596</i>	<i>377,606</i>	<i>701,498</i>	<i>553,417</i>	<i>276,046</i>	
58	9,150	8,050	13,728	14,357	5,684	5,876	1,306	22,200	2,491	11,480	8,315	3,244	
59	7,690	6,993	12,611	11,818	4,869	5,073	1,150	18,917	2,053	9,955	7,127	2,803	
60	1,037	695	733	1,120	587	525	117	2,003	242	906	814	2,88	
61	423	362	384	619	228	278	39	1,250	196	589	374	153	
62	834,467	884,500	1,355,510	1,555,290	573,051	464,472	90,724	2,334,909	165,930	1,497,792	907,487	278,764	
63	593	2,319	398	5,442	2,096	1,675	168	3,655	91	2,362	3,955	800	
64	390	2,157	388	5,032	1,922	1,409	142	3,149	76	2,250	3,501	726	
65	78	84	8	236	107	183	19	288	7	60	265	48	
66	87	78	2	174	67	103	7	218	8	46	189	26	
67	44,929	295,866	48,025	703,567	272,402	171,979	9,985	491,410	7,055	407,950	555,410	78,900	
68	22	23	28	31	20	23	8	103	16	60	46	31	
69	4,610	2,800	620	7,835	6,670	7,880	670	20,534	1,155	10,310	10,480	3,515	
70	9,512	13,568	18,423	23,027	15,129	14,940	4,051	38,192	3,893	10,498	24,197	5,589	
71	6,116	8,838	10,995	13,610	9,121	10,915	2,594	23,942	2,590	6,984	15,483	3,288	
72	8,396	4,732	7,428	9,417	6,008	4,025	1,457	14,250	1,303	3,514	8,714	2,251	
73	58,475	89,628	125,448	158,491	105,752	75,941	17,281	301,227	21,020	87,633	152,155	32,101	
74	29,922	170,153	65,315	23,252	89,665	297,736	3,813	21,184	2,466	31,771	79,446	67,662	
75	18,013	96,921	44,095	15,874	51,135	185,023	2,732	14,014	1,795	16,113	49,807	40,344	
76	11,909	73,232	21,220	7,378	38,530	112,713	1,081	7,170	671	15,658	29,639	27,318	
77	99,082	737,457	224,274	86,005	284,023								

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR
[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
FARMS OPERATED BY OWNERS						
1	Number of farms.....	66,632	1,600	32	437	1,230
2	Number of farms in 1900.....	<i>52,529</i>	<i>1,792</i>	<i>34</i>	<i>470</i>	<i>901</i>
3	Per cent of all farms.....	75.5	69.8	76.2	81.4	82.0
4	Per cent of all farms in 1900.....	<i>72.4</i>	<i>64.5</i>	<i>91.9</i>	<i>85.0</i>	<i>78.4</i>
5	Land in farms..... acres.....	15,125,339	174,391	25,556	192,535	297,289
6	Improved land in farms..... acres.....	6,464,472	97,254	5,979	35,574	150,497
7	Value of land and buildings..... dollars.....	882,447,830	21,310,610	467,443	2,030,140	13,636,125
8	Degree of ownership:					
9	Farms consisting of owned land only.....	56,500	1,447	30	376	1,072
10	Farms consisting of owned and hired land.....	10,132	243	2	61	158
11	Color and nativity of owners:					
12	Native white.....	45,780	592	17	311	986
13	Foreign-born white.....	19,914	1,036	13	123	238
14	Negro and other nonwhite.....	938	12	2	3	6
FARMS OPERATED BY TENANTS						
15	Number of farms.....	18,148	646	8	80	217
16	Number of farms in 1900.....	<i>16,760</i>	<i>896</i>	<i>1</i>	<i>73</i>	<i>230</i>
17	Per cent of all farms.....	20.6	26.7	19.0	16.6	14.5
18	Per cent of all farms in 1900.....	<i>23.1</i>	<i>52.1</i>	<i>2.7</i>	<i>15.0</i>	<i>18.7</i>
19	Land in farms..... acres.....	6,201,133	98,155	3,488	18,401	78,959
20	Improved land in farms..... acres.....	3,196,797	67,146	1,455	5,770	54,355
21	Value of land and buildings..... dollars.....	338,609,243	9,443,363	135,000	442,000	2,769,670
22	Form of tenancy:					
23	Share tenants.....	6,135	183	.....	9	89
24	Share-cash tenants.....	704	22	.....	3	13
25	Cash tenants.....	9,737	386	7	73	86
26	Tenure not specified.....	1,572	55	1	4	29
27	Color and nativity of tenants:					
28	Native white.....	10,505	217	5	66	171
29	Foreign-born white.....	5,565	376	3	21	30
30	Negro and other nonwhite.....	2,078	53	.....	2	16
FARMS OPERATED BY MANAGERS						
31	Number of farms.....	3,417	86	2	11	53
32	Number of farms in 1900.....	<i>3,263</i>	<i>99</i>	<i>2</i>	<i>11</i>	<i>58</i>
33	Land in farms..... acres.....	6,004,972	38,781	2,960	80,794	114,529
34	Improved land in farms..... acres.....	1,728,625	12,914	145	5,625	42,245
35	Value of land and buildings..... dollars.....	229,544,415	3,246,790	17,000	770,020	5,280,200
MORTGAGE DEBT REPORTS¹						
36	For all farms operated by owners:					
37	Number free from mortgage debt.....	39,368	1,204	22	364	745
38	Number with mortgage debt.....	26,749	467	10	72	470
39	Number with no mortgage report.....	515	19	.....	1	15
40	For farms consisting of owned land only:					
41	Number reporting debt and amount.....	21,430	384	8	62	385
42	Value of their land and buildings..... dollars.....	250,199,190	3,691,870	87,050	347,023	3,325,191
43	Amount of mortgage debt..... dollars.....	60,036,660	958,687	30,800	86,515	807,233
44	Per cent of value of land and buildings.....	24.0	26.0	35.4	24.9	24.3

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

² Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS						
Dairy Products						
1	Dairy cows on farms reporting dairy products.....	number.....	408,812	8,649	747	2,450
2	Dairy cows on farms reporting milk produced.....	number.....	315,385	5,448	662	2,213
3	Milk—Produced.....	gallons.....	154,901,046	4,618,380	354,767	743,667
4	Sold.....	gallons.....	45,333,432	2,245,633	600	42,520
5	Butter—Produced.....	gallons.....	3,397,061	61,325	7,517	1,455
6	Sold.....	pounds.....	19,176,719	80,292	57,843	180,888
7	Butter—Produced.....	pounds.....	15,301,871	252,603	28,613	68,812
8	Sold.....	pounds.....	10,285,583	108,356	24,685	25,040
9	Cheese—Produced.....	pounds.....	2,777,873	675	500	32,517
10	Sold.....	pounds.....	2,513,815	560	300	29,351
11	Value of dairy products, excluding home use of milk and cream.....	dollars.....	20,443,977	580,130	30,970	76,996
12	Receipts from sale of dairy products.....	dollars.....	10,083,297	544,118	29,962	64,338
Poultry Products						
13	Poultry—Raised.....	number.....	7,096,339	230,417	2,547	23,628
14	Sold.....	number.....	3,678,208	121,340	585	8,408
15	Eggs—Produced.....	dozens.....	35,907,973	1,391,728	8,904	142,824
16	Sold.....	dozens.....	26,867,687	1,089,618	3,374	82,997
17	Value of poultry and eggs produced.....	dollars.....	12,703,948	471,769	3,618	49,021
18	Receipts from sale of poultry and eggs.....	dollars.....	8,736,282	340,122	1,386	27,272
Honey and Wax						
19	Honey produced.....	pounds.....	10,264,715	9,848	220	2,402
20	Wax produced.....	pounds.....	126,445	179	.....	100
21	Value of honey and wax produced.....	dollars.....	665,367	1,321	23	326
Wool, Mohair, and Goat Hair						
22	Wool, fleeces shorn.....	number.....	2,275,389	5,783	6,790	7,253
23	Mohair and goat hair, fleeces shorn.....	number.....	102,134	.....	.....	449
24	Value of wool and mohair produced.....	dollars.....	2,205,928	4,930	9,591	5,832
DOMESTIC ANIMALS SOLD OR SLAUGHTERED						
25	Calves—Sold or slaughtered.....	number.....	198,005	4,447	217	1,424
26	Other cattle—Sold or slaughtered.....	number.....	535,239	5,523	1,100	6,948
27	Horses, mules, and asses and burros—Sold.....	number.....	38,071	580	14	152
28	Swine—Sold or slaughtered.....	number.....	560,948	3,393	633	2,986
29	Sheep and goats—Sold or slaughtered.....	number.....	875,627	3,729	3,157	1,182
30	Receipts from sale of animals.....	dollars.....	31,130,113	314,415	55,611	254,523
31	Value of animals slaughtered.....	dollars.....	2,497,007	20,791	6,752	25,289

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.]

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno. ¹	Glenn.	Humboldt. ²	Imperial. ²	Inyo.	Kern.	Kings. ¹	Lake.
1	449	890	79	642	5,227	512	901	824	361	846	1,391	484
2	372	867	92	679	2,409	860	1,006	(1)	568	886	654	578
3	67.8	60.8	69.3	69.7	83.7	77.2	64.6	62.3	82.4	72.5	75.7	80.3
4	65.9	57.4	70.2	88.5	73.2	68.1	67.1	(1)	83.0	75.2	70.2	79.9
5	316,673	166,989	22,322	188,104	555,934	307,692	333,543	136,926	68,256	372,204	202,731	149,872
6	210,216	111,723	8,186	37,089	303,655	180,993	51,670	100,155	27,831	83,639	110,492	31,125
7	11,583,985	12,588,440	907,580	2,714,895	53,627,075	9,584,020	8,807,088	11,936,025	3,956,276	8,793,860	17,692,101	3,876,105
8	306	727	69	602	4,749	418	865	699	347	756	1,170	407
9	143	163	10	40	478	94	126	125	14	90	221	77
10	361	436	50	490	3,339	387	585	684	254	622	1,037	371
11	86	442	26	141	1,769	125	348	90	83	216	339	111
12	2	12	3	11	119	.....	58	50	24	8	15	2
13	201	502	30	68	739	135	497	421	73	263	390	107
14	208	632	39	81	784	160	438	(1)	68	238	234	133
15	30.1	34.3	26.3	9.5	11.8	20.4	32.4	31.8	16.7	22.5	21.2	17.7
16	34.9	38.5	29.8	10.7	23.8	28.4	29.2	(1)	14.9	21.7	25.1	18.4
17	181,108	187,918	11,855	19,194	128,754	139,246	180,251	65,145	31,126	78,949	101,893	48,652
18	103,427	121,150	3,721	4,066	96,420	102,960	43,142	57,748	8,662	39,058	50,336	10,308
19	4,761,985	12,856,910	549,600	297,100	10,814,095	3,559,675	8,125,552	6,292,430	1,136,050	2,895,137	6,840,215	1,005,710
20	92	158	1	9	403	81	15	145	18	52	185	17
21	21	17	.....	1	9	3	22	22	6	7	7	3
22	54	313	17	40	254	44	436	242	33	137	188	82
23	34	19	12	18	73	7	33	12	16	67	10	5
24	169	222	9	56	439	101	242	325	55	151	232	95
25	26	254	18	8	187	33	251	45	15	72	123	11
26	6	26	3	4	113	1	4	51	3	40	35	1
27	17	73	5	6	279	16	46	77	4	58	56	12
28	7	62	.....	6	97	19	56	(1)	9	34	44	12
29	24,595	51,526	1,770	3,583	421,928	44,860	128,742	21,531	10,700	952,197	69,199	18,940
30	22,866	29,279	532	527	199,130	25,812	18,166	10,436	2,205	192,690	35,741	1,335
31	924,845	3,634,185	72,500	81,681	17,556,778	1,391,840	1,699,917	2,368,870	677,000	13,525,344	3,621,260	693,490
32	251	642	59	492	2,072	291	687	584	254	530	642	346
33	196	243	20	146	3,128	220	293	236	106	311	747	132
34	2	5	.....	5	27	1	11	4	.....	5	2	6
35	123	184	16	127	2,734	170	230	194	96	256	587	107
36	1,443,045	2,122,140	137,300	567,100	24,983,327	1,703,360	2,436,615	2,867,600	1,184,200	2,764,650	5,888,820	847,400
37	444,355	574,965	44,900	181,873	6,388,563	403,568	611,134	697,384	227,142	751,974	1,541,990	213,200
38	30.8	27.1	32.7	28.5	28.6	23.7	25.1	24.3	19.2	27.2	26.2	25.2

* 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	2,524	8,986	3,337	2,630	19,988	2,514	19,763	7,361	1,875	5,280	17,376	1,232
2	2,409	8,378	546	2,383	11,637	2,301	12,914	4,622	1,372	4,355	16,084	1,181
3	994,878	4,668,362	302,431	739,710	5,908,174	329,791	8,608,984	2,103,546	568,899	1,892,902	8,078,271	556,160
4	65,710	2,095,936	658,632	71,900	1,672,521	135,154	2,518,273	85,940	215,633	280,061	268,498	132,681
5	11,206	53,708	532	9,837	84,594	109,561	28,748	51,930	4,750	122,429	448,917	6
6	170,073	285,786	.....	75	1,532,215	25,155	2,711,304	771,311	24,209	200,872	1,320,936	.....
7	75,829	220,976	461,303	176,354	514,946	86,762	475,773	71,581	116,364	73,839	78,295	92,723
8	30,762	125,685	462,709	120,388	159,126	31,836	387,608	21,738	86,970	26,655	12,840	39,407
9	272	9,790	.....	3,734	41,210	.....	.....	1,400	5,426	30,051	139,000	200
10	9,450	.....	.....	1,290	39,485	.....	.....	1,400	3,926	29,531	135,000	50
11	96,493	513,585	183,136	74,999	850,240	73,207	1,351,577	313,743	69,308	245,601	834,251	37,420
12	84,222	486,884	178,797	59,081	707,828	60,676	1,326,068	298,721	60,204	231,629	815,033	24,439
13	73,034	154,332	3,357	28,499	266,221	67,529	67,310	84,062	50,007	89,520	153,839	37,976
14	31,414	66,142	801	12,367	90,286	33,290	25,401	33,105	22,681	33,962	77,470	16,799
15	249,220	664,951	13,767	132,910	1,267,840	252,286	332,115	264,826	140,952	394,130	637,652	135,001
16	139,164	504,300	5,007	74,257	658,249	149,128	179,660	146,355	107,335	240,366	437,306	71,415
17	92,466	247,618	4,651	45,411	419,265	110,010	115,116	135,526	67,836	143,062	248,495	56,581
18	55,008	165,673	1,773	24,347	205,011	71,111	60,755	70,967	42,236	84,931	107,841	32,352
19	67,689	15,950	1,305	8,105	616,809	10,982	23,481	514,125	312,620	204,920	238,791	5,105
20	798	284	.....	75	7,261	250	367	4,453	2,131	2,832	3,148	43
21	5,790	1,382	152	696	33,356	1,194	2,602	27,124	29,944	12,159	12,028	455
22	73,221	14,715	1,238	3,808	107,892	131,612	85,212	12,755	17,847	24,177	73,393	10,372
23	4,009	.....	40	933	1,906	5,177	2,540	26	505	355	26	6,603
24	56,620	10,869	2,070	3,504	109,982	101,749	104,430	17,067	27,761	26,540	58,836	12,922
25	1,876	4,675	374	912	7,030	1,129	8,899	1,649	187	4,244	6,463	585
26	7,415	6,835	727	4,727	22,442	6,639	11,855	19,305	6,090	23,692	9,348	2,990
27	895	679	6	89	1,904	548	243	1,894	580	674	927	155
28	17,865	5,820	1,191	1,948	24,140	9,520	10,748	59,063	2,394	9,545	36,751	6,114
29	32,698	11,240	439	1,221	42,286	31,967	12,504	5,682	18,408	21,736	21,095	3,396
30	538,903	326,350	23,994	120,201	1,324,168	413,709	487,884	1,701,217	297,654	1,015,548	932,227	140,122
31	54,361	48,791	6,111	33,265	89,080	53,528	62,917	9,661	44,574	62,346	46,144	20,863

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in italics.]

	Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendo- cino. ¹	Merced.	Modoc.
FARMS OPERATED BY OWNERS								
1 Number of farms.....	414	5,599	419	196	292	1,069	1,405	594
2 <i>Number of farms in 1900.....</i>	<i>453</i>	<i>4,825</i>	<i>357</i>	<i>168</i>	<i>337</i>	<i>1,173</i>	<i>668</i>	<i>502</i>
3 Per cent of all farms.....	82.5	70.7	73.1	39.4	88.5	78.8	75.7	80.7
4 <i>Per cent of all farms in 1900.....</i>	<i>81.6</i>	<i>73.4</i>	<i>68.3</i>	<i>35.1</i>	<i>88.6</i>	<i>80.8</i>	<i>66.9</i>	<i>78.7</i>
5 Land in farms.....acres.....	230,413	332,454	218,015	45,102	182,152	437,350	432,040	299,576
6 <i>Improved land in farms.....acres.....</i>	<i>92,428</i>	<i>206,046</i>	<i>134,749</i>	<i>24,102</i>	<i>33,238</i>	<i>53,402</i>	<i>303,964</i>	<i>113,727</i>
7 Value of land and buildings.....dollars.....	5,624,292	103,365,447	5,139,858	2,764,575	1,749,442	7,909,212	17,199,969	6,050,775
Degree of ownership:								
8 Farms consisting of owned land only.....	374	4,805	351	183	266	955	1,128	518
9 Farms consisting of owned and hired land.....	40	794	68	13	26	114	277	70
Color and nativity of owners:								
10 Native white.....	334	4,322	301	71	218	758	795	505
11 Foreign-born white.....	67	1,236	104	125	61	287	597	72
12 Negro and other nonwhite.....	13	31	14	.....	13	24	13	17
FARMS OPERATED BY TENANTS								
13 Number of farms.....	71	1,968	131	291	34	240	393	115
14 <i>Number of farms in 1900.....</i>	<i>72</i>	<i>1,360</i>	<i>148</i>	<i>287</i>	<i>42</i>	<i>240</i>	<i>300</i>	<i>116</i>
15 Per cent of all farms.....	14.1	24.9	22.9	58.4	10.3	17.7	21.2	15.6
16 <i>Per cent of all farms in 1900.....</i>	<i>13.0</i>	<i>20.7</i>	<i>23.3</i>	<i>62.1</i>	<i>11.0</i>	<i>16.5</i>	<i>30.6</i>	<i>13.8</i>
17 Land in farms.....acres.....	33,029	213,450	201,055	207,001	17,905	125,455	212,285	50,366
18 <i>Improved land in farms.....acres.....</i>	<i>16,134</i>	<i>161,231</i>	<i>134,434</i>	<i>61,462</i>	<i>3,509</i>	<i>20,314</i>	<i>134,422</i>	<i>24,904</i>
19 Value of land and buildings.....dollars.....	780,300	55,341,317	4,957,655	6,912,780	181,338	2,475,662	7,581,287	1,339,640
Form of tenancy:								
20 Share tenants.....	26	413	101	7	5	33	199	67
21 Share-cash tenants.....	.....	63	1	1	.....	3	11	1
22 Cash tenants.....	36	1,297	17	274	24	174	156	43
23 Tenure not specified.....	9	195	12	9	5	30	27	4
Color and nativity of tenants:								
24 Native white.....	64	1,059	101	61	31	170	218	110
25 Foreign-born white.....	7	319	21	230	2	67	170	5
26 Negro and other nonwhite.....	.....	590	9	.....	1	3	5	.....
FARMS OPERATED BY MANAGERS								
27 Number of farms.....	17	352	23	11	4	47	53	27
28 <i>Number of farms in 1900.....</i>	<i>20</i>	<i>302</i>	<i>18</i>	<i>15</i>	<i>2</i>	<i>39</i>	<i>25</i>	<i>20</i>
29 Land in farms.....acres.....	32,286	212,031	201,593	11,359	6,002	158,520	517,342	60,192
30 <i>Improved land in farms.....acres.....</i>	<i>19,495</i>	<i>51,971</i>	<i>71,903</i>	<i>7,551</i>	<i>270</i>	<i>8,392</i>	<i>169,356</i>	<i>26,153</i>
31 Value of land and buildings.....dollars.....	692,200	27,945,307	2,937,720	864,100	212,000	2,205,800	17,604,655	992,850
MORTGAGE DEBT REPORTS :								
For all farms operated by owners:								
32 Number free from mortgage debt.....	290	3,176	294	118	242	796	613	432
33 Number with mortgage debt.....	122	2,322	114	73	39	266	782	159
34 Number with no mortgage report.....	2	102	11	5	11	7	10	3
For farms consisting of owned land only:								
35 Number reporting debt and amount.....	103	1,989	77	65	35	225	534	130
36 Value of land and buildings.....dollars.....	1,464,400	31,540,310	1,182,365	664,175	250,720	1,832,841	6,570,345	1,780,230
37 Amount of mortgage debt.....dollars.....	272,153	6,465,025	190,317	259,074	52,275	453,647	1,409,143	354,609
38 Per cent of value of land and buildings.....	18.6	20.5	16.1	39.0	20.8	24.8	21.4	19.9

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

² Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS								
Dairy Products								
1 Dairy cows on farms reporting dairy products.....number.....	2,701	16,155	1,233	24,534	637	5,547	17,185	2,641
2 Dairy cows on farms reporting milk produced.....number.....	1,447	14,920	619	17,889	620	5,014	12,080	2,591
3 Milk—Produced.....gallons.....	631,988	8,447,162	186,821	8,575,850	84,728	2,030,479	6,700,019	308,520
4 Sold.....gallons.....	81,590	7,029,161	185,712	3,076,945	1,130	739,657	144,831	18,624
5 Cream sold.....gallons.....	13,404	8,829	174,069	1,600	4,468	84,374	2,038	.....
6 Butter fat sold.....pounds.....	9,062	1,480	.....	225,545	.....	39,172	2,710,996	20,003
7 Butter—Produced.....pounds.....	279,685	323,374	48,459	2,289,217	12,753	355,048	94,602	153,175
8 Sold.....pounds.....	208,335	135,263	22,637	2,240,638	2,712	223,394	19,276	55,286
9 Cheese—Produced.....pounds.....	160	1,643	.....	101,743	.....	1,357	200,840	3,680
10 Sold.....pounds.....	.....	600	.....	100,938	.....	383	193,750	3,330
11 Value of dairy products, excluding home use of milk and cream.....dollars.....	85,532	1,415,144	46,284	1,205,606	6,590	189,528	1,009,740	51,371
12 Receipts from sale of dairy products.....dollars.....	67,698	1,362,257	39,624	1,280,315	3,731	156,117	990,716	20,460
Poultry Products								
13 Poultry—Raised.....number.....	28,907	586,566	28,137	141,629	19,583	64,935	136,305	38,112
14 Sold.....number.....	11,982	382,775	9,967	74,114	8,495	28,745	44,589	12,888
15 Eggs—Produced.....dozens.....	106,897	2,332,397	67,932	1,465,911	49,728	337,731	454,115	134,731
16 Sold.....dozens.....	37,455	1,789,385	29,766	1,363,649	18,556	160,251	306,958	37,087
17 Value of poultry and eggs produced.....dollars.....	41,289	951,289	29,336	422,837	28,844	121,577	184,810	48,337
18 Receipts from sale of poultry and eggs.....dollars.....	16,678	699,807	11,283	365,217	16,617	67,074	109,884	17,333
Honey and Wax								
19 Honey produced.....pounds.....	5,642	1,289,820	10,439	205	300	6,090	204,098	19,796
20 Wax produced.....pounds.....	5	15,601	370	55	25	34	3,150	232
21 Value of honey and wax produced.....dollars.....	643	93,599	1,052	49	51	687	10,993	2,055
Wool, Mohair, and Goat Hair								
22 Wool, fleeces shorn.....number.....	36,768	31,754	4,905	.....	355	149,260	46,908	39,538
23 Mohair and goat hair, fleeces shorn.....number.....	2,988	230	60	2,823	154	2,315	8,400	1,350
24 Value of wool and mohair produced.....dollars.....	55,154	32,366	2,272	2,816	376	158,918	39,400	55,583
DOMESTIC ANIMALS SOLD OR SLAUGHTERED								
25 Calves—Sold or slaughtered.....number.....	968	7,736	744	17,201	148	1,687	8,181	2,548
26 Other cattle—Sold or slaughtered.....number.....	17,031	7,198	4,931	1,663	4,799	8,577	32,880	27,068
27 Horses, mules, and asses and burros—Sold.....number.....	1,417	919	302	81	82	325	967	3,487
28 Swine—Sold or slaughtered.....number.....	4,504	22,157	3,797	8,384	5,405	13,073	28,062	9,943
29 Sheep and goats—Sold or slaughtered.....number.....	23,853	5,015	442	397	542	19,623	34,424	33,168
30 Receipts from sale of animals.....dollars.....	746,769	710,569	224,774	196,947	160,767	346,864	1,669,927	1,184,669
31 Value of animals slaughtered.....dollars.....	68,782	63,561	12,739	32,917	17,659	103,675	43,405	60,016

STATISTICS OF AGRICULTURE.

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

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

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego. ²	San Francisco.
1	75	1,063	1,166	476	2,531	748	183	2,201	1,011	653	2,532	1,845	82
2	<i>98</i>	<i>1,199</i>	<i>899</i>	<i>455</i>	<i>1,871</i>	<i>807</i>	<i>280</i>	<i>1,747</i>	<i>889</i>	<i>698</i>	<i>1,887</i>	<i>2,251</i>	<i>161</i>
3	82.4	64.1	75.9	87.5	80.0	70.4	82.8	85.2	63.1	70.9	85.9	80.3	52.2
4	<i>87.5</i>	<i>64.8</i>	<i>67.3</i>	<i>85.3</i>	<i>78.4</i>	<i>75.0</i>	<i>82.4</i>	<i>74.7</i>	<i>63.9</i>	<i>76.7</i>	<i>79.4</i>	<i>82.7</i>	<i>53.0</i>
5	49,072	591,593	204,788	147,936	135,784	192,459	101,601	299,991	292,725	349,502	121,896	569,826	992
6	16,430	189,201	55,665	21,412	94,505	67,121	40,925	199,041	152,253	125,914	85,061	150,677	644
7	717,713	14,123,996	9,363,544	2,072,927	41,113,475	5,832,709	2,209,760	32,488,737	18,965,395	7,733,952	48,500,546	18,896,972	1,143,700
8	69	844	1,074	426	2,101	663	166	1,918	868	551	2,189	1,359	75
9	6	219	92	50	430	95	17	873	143	102	343	486	7
10	32	639	754	303	1,899	596	123	1,744	638	438	2,021	1,251	18
11	38	422	412	168	626	228	57	449	350	215	500	497	64
12	5	2	.....	5	6	14	3	101	23	.....	11	97	.....
13	13	534	297	55	506	291	28	293	532	233	183	360	69
14	<i>10</i>	<i>600</i>	<i>325</i>	<i>73</i>	<i>437</i>	<i>246</i>	<i>40</i>	<i>276</i>	<i>457</i>	<i>189</i>	<i>207</i>	<i>310</i>	<i>156</i>
15	14.3	32.2	19.3	10.1	16.0	27.4	12.7	10.9	33.2	25.3	6.2	15.7	43.9
16	<i>8.9</i>	<i>32.4</i>	<i>24.3</i>	<i>14.9</i>	<i>18.8</i>	<i>22.9</i>	<i>15.0</i>	<i>11.8</i>	<i>32.8</i>	<i>20.8</i>	<i>8.8</i>	<i>11.5</i>	<i>44.4</i>
17	6,000	258,258	99,310	13,926	142,104	46,018	21,588	98,774	125,108	103,403	27,130	126,752	1,091
18	4,287	142,649	29,418	2,493	79,526	26,907	10,789	55,461	83,291	47,704	15,982	62,907	910
19	117,250	10,890,810	3,553,300	262,650	12,321,300	2,854,175	368,150	3,738,275	11,123,325	3,751,714	3,649,110	4,241,935	1,236,870
20	5	249	68	5	271	59	2	134	195	104	91	115	.....
21	.....	25	5	.....	17	6	.....	11	13	11	6	30	4
22	8	251	204	48	200	211	19	95	295	84	67	180	38
23	.....	9	20	2	18	15	7	53	29	34	19	35	27
24	9	248	201	37	361	95	23	230	201	152	156	266	8
25	4	239	92	13	67	31	5	40	124	65	22	73	53
26	.....	47	4	5	78	165	.....	17	207	16	5	21	8
27	3	61	74	13	128	23	10	104	58	35	234	93	6
28	4	51	112	9	80	25	7	318	46	22	276	157	8
29	60,600	297,565	50,482	13,536	93,804	9,603	11,070	122,041	55,211	94,396	59,370	137,948	8
30	22,665	39,569	16,036	632	15,432	4,520	2,567	23,649	40,133	12,955	34,982	20,461	8
31	907,550	5,048,922	3,035,282	156,240	7,178,775	400,700	155,900	6,853,279	3,542,100	1,123,345	13,779,550	4,133,207	43,330
32	63	749	750	393	1,294	478	131	1,279	673	385	1,344	1,339	57
33	12	295	411	76	1,228	269	51	996	326	222	1,178	501	14
34	.....	19	5	2	9	1	1	16	12	6	10	5	11
35	10	222	358	63	967	217	43	816	273	210	961	342	9
36	230,900	3,002,171	2,905,375	280,165	12,587,760	1,614,735	566,940	11,969,410	3,894,145	2,354,830	17,434,500	3,235,500	126,600
37	52,350	755,391	745,253	56,270	2,934,955	371,680	113,354	2,953,463	840,241	787,233	3,958,213	732,270	80,250
38	22.7	25.2	25.7	21.6	23.4	23.0	20.0	24.7	21.6	32.6	22.7	22.6	23.9

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

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	335	11,925	5,788	2,283	5,281	1,967	3,293	4,179	7,832	3,875	2,517	9,918	1,350
2	290	5,614	5,620	2,180	4,428	1,940	2,107	3,376	4,337	3,553	2,436	8,003	1,045
3	80,000	2,551,454	2,869,707	815,620	2,261,110	633,320	1,181,942	1,643,799	2,096,379	1,669,029	1,371,926	3,444,962	792,138
4	25	3,149,126	576,037	117,834	991,749	97,290	11,550	632,732	762,339	395,156	411,176	995,487	911,108
5	269	133,678	54,943	2,590	27,657	6,631	14,121	33,804	65,912	56,242	14,032	21,432	730
6	.....	87,358	24,631	4,257	60,208	4,472	171,252	83,363	173,434	67,463	3,550	293,884	.....
7	30,202	286,450	381,930	153,271	333,233	108,876	237,330	312,248	164,427	74,131	207,745	575,662	144
8	17,455	197,820	240,258	100,629	157,925	49,002	198,234	232,836	124,767	19,543	89,630	395,616	48
9	.....	59,680	35,226	1,970	50	30,545	2,500	650	497,064	137,685	362	2,895	.....
10	.....	3,240	33,600	535	.....	30,005	230	250	493,044	131,635	.....	1,695	.....
11	9,155	620,934	242,846	86,513	290,247	63,203	121,255	239,917	396,539	160,426	160,151	474,779	158,014
12	4,890	538,469	208,809	69,775	241,741	46,794	111,267	215,747	384,557	145,537	123,555	423,545	157,971
13	2,559	123,743	105,428	35,776	239,536	62,151	15,163	95,767	144,704	79,550	105,606	174,778	196,020
14	842	52,219	55,687	19,041	128,276	30,678	5,147	39,153	67,783	45,331	41,433	80,750	138,600
15	4,541	751,177	662,159	150,596	1,198,290	235,606	48,511	438,099	606,906	696,264	579,685	921,117	110,057
16	1,359	560,904	482,350	81,072	932,362	126,720	22,964	285,779	482,465	561,433	301,194	700,206	90,589
17	2,988	231,683	118,008	63,612	414,692	110,974	22,206	133,490	249,821	225,891	228,998	357,570	126,595
18	946	156,320	153,300	35,325	293,786	66,737	10,707	103,014	168,423	178,121	114,223	240,609	111,826
19	20,355	177,279	8,939	5,452	325,656	7,338	2,280	902,106	55,272	68,253	363,625	1,559,607	.....
20	425	2,619	204	42	2,764	80	5	12,915	160	773	5,983	13,589	.....
21	2,049	14,708	942	779	18,525	814	308	62,337	5,393	5,671	23,466	89,401	.....
22	29,160	24,884	9,955	10,607	62,072	28,841	593	4,536	41,103	19,457	.....	155	3
23	.....	3,000	153	.....	.....	177	.....	13	7	33	.....	60	.....
24	41,209	26,549	7,196	8,382	51,474	21,723	707	2,000	35,449	18,974	.....	195	4
25	625	5,899	3,925	1,246	2,561	1,140	550	2,223	5,762	2,122	798	3,822	674
26	3,567	15,714	4,823	2,286	2,646	3,069	4,143	5,930	7,893	10,884	2,039	13,917	78
27	90	931	608	105	384	216	87	774	547	563	603	682	.....
28	68	14,782	6,269	1,969	1,993	3,185	1,290	4,055	5,073	11,286	2,125	5,298	83
29	19,240	17,081	4,104	5,493	19,271	10,235	325	2,185	37,170	6,824	31	187	.....
30	197,847	833,917	261,042	95,121	266,105	156,894	141,717	328,638	462,442	570,893	170,023	570,369	6,685
31	21,341	71,129	34,634	22,217	8,631	19,301	9,945	36,430	93,021	31,311	20,300	44,467	1,413

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in italics.]

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
FARMS OPERATED BY OWNERS								
1	Number of farms.....	2,370	1,056	302	764	3,622	1,088	839
2	Number of farms in 1900.....	<i>1,197</i>	<i>1,167</i>	<i>296</i>	<i>654</i>	<i>2,997</i>	<i>865</i>	<i>1,004</i>
3	Per cent of all farms.....	72.1	61.6	45.4	56.4	76.6	74.2	83.1
4	Per cent of all farms in 1900.....	<i>60.9</i>	<i>64.4</i>	<i>53.7</i>	<i>56.9</i>	<i>75.0</i>	<i>67.9</i>	<i>82.2</i>
5	Land in farms.....acres.....	443,034	604,883	44,834	227,341	300,220	95,945	316,364
6	Improved land in farms.....acres.....	344,381	138,615	20,717	83,570	138,204	43,607	81,693
7	Value of land and buildings.....dollars.....	37,546,833	11,546,274	6,262,020	15,647,570	41,822,317	11,288,085	5,174,049
8	Degree of ownership:							
9	Farms consisting of owned land only.....	1,850	695	259	549	3,057	973	754
10	Farms consisting of owned and hired land.....	520	361	43	215	565	115	85
11	Color and nativity of owners:							
12	Native white.....	1,638	586	141	535	2,193	639	673
13	Foreign-born white.....	718	460	158	219	1,416	446	139
14	Negro and other nonwhite.....	18	1	3	10	13	3	1
FARMS OPERATED BY TENANTS								
15	Number of farms.....	799	616	316	504	877	329	154
16	Number of farms in 1900.....	<i>711</i>	<i>597</i>	<i>259</i>	<i>429</i>	<i>705</i>	<i>366</i>	<i>199</i>
17	Per cent of all farms.....	24.3	35.9	47.5	37.2	18.5	22.4	15.2
18	Per cent of all farms in 1900.....	<i>36.2</i>	<i>32.9</i>	<i>45.4</i>	<i>37.3</i>	<i>17.6</i>	<i>28.6</i>	<i>16.3</i>
19	Land in farms.....acres.....	240,937	357,032	99,142	315,236	252,890	41,450	61,722
20	Improved land in farms.....acres.....	218,313	90,217	69,127	35,172	69,491	18,341	12,404
21	Value of land and buildings.....dollars.....	18,609,236	8,209,927	10,161,785	11,608,624	13,654,122	3,637,120	704,100
22	Form of tenancy:							
23	Share tenants.....	411	195	26	159	341	81	21
24	Share-cash tenants.....	31	42	12	47	37	7	4
25	Cash tenants.....	296	374	243	293	467	229	107
26	Tenure not specified.....	61	5	35	5	32	12	22
27	Color and nativity of tenants:							
28	Native white.....	446	305	99	280	366	179	138
29	Foreign-born white.....	241	294	206	203	373	127	9
30	Negro and other nonwhite.....	112	17	11	21	133	23	7
FARMS OPERATED BY MANAGERS								
31	Number of farms.....	117	42	47	87	232	49	17
32	Number of farms in 1900.....	<i>53</i>	<i>49</i>	<i>16</i>	<i>66</i>	<i>295</i>	<i>44</i>	<i>18</i>
33	Land in farms.....acres.....	70,077	626,745	16,679	577,898	181,709	10,913	11,132
34	Improved land in farms.....acres.....	48,568	98,096	9,984	46,810	29,475	4,927	2,120
35	Value of land and buildings.....dollars.....	5,429,480	7,125,621	3,031,180	11,305,078	6,531,804	1,478,400	376,680
MORTGAGE DEBT REPORTS 2								
36	For all farms operated by owners:							
37	Number free from mortgage debt.....	1,181	710	249	533	2,092	671	658
38	Number with mortgage debt.....	1,172	341	47	227	1,500	410	177
39	Number with no mortgage report.....	17	5	6	4	30	7	4
40	For farms consisting of owned land only:							
41	Number reporting debt and amount.....	887	193	39	134	1,186	357	147
42	Value of their land and buildings.....dollars.....	8,729,605	1,779,070	610,350	2,700,140	11,700,415	3,667,630	919,980
43	Amount of mortgage debt.....dollars.....	2,272,853	489,925	103,505	706,315	3,391,948	815,705	211,200
44	Per cent of value of land and buildings.....	26.0	27.5	17.0	25.3	29.0	22.2	23.0

² Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

LIVE STOCK PRODUCTS									
Dairy Products									
1	Dairy cows on farms reporting dairy products.....number.....	10,603	22,945	6,032	10,151	10,300	3,676	2,059	1,464
2	Dairy cows on farms reporting milk produced.....number.....	9,150	15,983	5,400	6,147	9,183	3,456	1,958	1,369
3	Milk—Produced.....gallons.....	4,598,234	5,867,540	3,539,461	3,144,687	5,356,740	1,701,740	695,700	579,065
4	Sold.....gallons.....	863,252	283,214	2,963,928	232,185	2,850,984	858,724	81,815	47,535
5	Butter fat sold.....pounds.....	135,228	343,875	16,937	236,900	75,114	14,349	518	4,062
6	Butter produced.....pounds.....	454,766	224,820	1,584	292,759	74,480	25,165	2,732	46,652
7	Butter—Produced.....pounds.....	341,820	1,969,563	91,997	244,632	320,236	224,302	137,723	135,938
8	Sold.....pounds.....	156,729	1,204,669	57,159	145,486	132,461	110,399	57,558	118,247
9	Cheese—Produced.....pounds.....	93,630	169,350	64,751	25,665	577,350	227,905	.....	1,316
10	Sold.....pounds.....	60,228	166,505	39,550	23,330	530,521	167,865	.....	70
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	498,808	754,465	555,332	394,516	719,593	184,890	55,829	62,936
12	Receipts from sale of dairy products.....dollars.....	449,884	709,127	541,965	368,211	664,278	147,807	35,114	59,897
Poultry Products									
13	Poultry—Raised.....number.....	212,434	109,871	43,946	91,159	233,729	79,015	52,607	6,993
14	Sold.....number.....	96,198	45,589	21,262	40,019	116,113	39,896	21,493	2,123
15	Eggs—Produced.....dozens.....	955,501	840,495	236,642	407,168	1,166,782	577,989	199,855	24,877
16	Sold.....dozens.....	596,929	630,399	189,361	283,237	756,224	435,413	84,912	9,652
17	Value of poultry and eggs produced.....dollars.....	337,417	243,244	82,139	151,719	410,877	188,542	73,767	11,738
18	Receipts from sale of poultry and eggs.....dollars.....	200,592	169,182	57,688	92,454	252,708	138,227	34,494	4,415
Honey and Wax									
19	Honey produced.....pounds.....	104,645	177,342	5,458	288,875	77,252	11,032	8,468	2,081
20	Wax produced.....pounds.....	3,459	1,983	193	4,060	842	98	185	10
21	Value of honey and wax produced.....dollars.....	6,565	11,374	810	16,678	6,203	1,207	1,013	220
Wool, Mohair, and Goat Hair									
22	Wool, fleeces shorn.....number.....	20,477	64,719	1,013	27,787	4,765	799	17,862	2,333
23	Mohair and goat hair, fleeces shorn.....number.....	37	4,758	26	68	.....	630	11,008	.....
24	Value of wool and mohair produced.....dollars.....	14,114	52,868	1,162	26,308	3,596	1,444	25,705	3,949
DOMESTIC ANIMALS SOLD OR SLAUGHTERED									
25	Calves—Sold or slaughtered.....number.....	6,285	10,222	4,421	3,099	6,064	2,446	584	81
26	Other cattle—Sold or slaughtered.....number.....	12,104	27,792	2,600	18,016	12,834	3,630	11,731	4,351
27	Horses, mules, and asses and burros—Sold.....number.....	1,690	1,042	266	845	683	318	284	155
28	Swine—Sold or slaughtered.....number.....	17,732	14,273	6,198	13,870	6,041	3,013	8,557	633
29	Sheep and goats—Sold or slaughtered.....number.....	6,605	11,999	563	16,116	1,983	9,586	12,492	2,960
30	Receipts from sale of animals.....dollars.....	719,580	1,165,961	185,667	962,245	578,250	224,682	420,691	136,928
31	Value of animals slaughtered.....dollars.....	81,272	122,647	31,395	19,381	29,832	41,073	59,680	9,110

STATISTICS OF AGRICULTURE.

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

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

	Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1	948	773	3,771	2,200	674	810	274	3,307	342	895	887	332	
2	816	709	2,689	611	513	805	252	1,680	400	889	860	374	270
3	85.1	67.6	78.0	81.9	77.2	80.5	89.0	82.2	88.6	69.2	70.7	70.1	
4	87.6	61.6	71.5	64.2	70.5	78.1	82.0	75.2	87.5	70.1	70.0	77.4	84.1
5	357,897	329,947	427,263	422,014	262,577	482,555	79,078	792,079	165,627	295,175	256,282	176,096	
6	141,602	210,959	145,042	324,030	145,149	84,827	10,827	845,835	38,186	111,729	198,930	71,064	
7	9,531,155	16,691,850	34,202,473	28,443,514	12,155,262	6,432,816	972,425	47,844,619	1,984,825	27,274,505	17,980,015	3,079,066	
8	854	595	3,594	1,784	504	735	259	2,725	312	604	683	260	
9	94	174	177	416	170	75	15	532	30	291	204	72	
10	715	449	2,170	1,544	551	638	206	2,652	212	676	676	254	
11	190	314	1,597	652	118	165	54	612	128	218	201	78	
12	43	10	4	4	5	7	14	43	2	1	10		
13	129	322	888	441	181	164	27	496	34	346	325	96	
14	98	571	800	509	211	221	17	518	40	531	509	86	
15	11.6	28.2	18.6	16.4	20.7	16.3	8.8	12.3	8.8	26.8	25.9	22.0	
16	10.5	32.2	24.5	22.5	29.0	20.0	6.8	23.4	8.8	26.1	25.5	19.7	0.7
17	65,145	127,546	240,325	179,333	70,557	137,059	8,545	131,285	22,283	101,233	167,070	58,948	
18	39,837	88,378	71,213	149,131	45,711	49,729	1,168	88,713	2,281	68,929	87,213	20,484	
19	1,388,490	7,011,471	11,742,480	7,872,968	3,262,415	2,180,705	107,990	8,124,870	176,300	10,426,245	7,971,040	1,380,410	
20	39	104	150	239	64	35	3	212	2	253	167	20	
21	54	17	22	16	27	4	6	17		25	17	4	
22	36	197	461	147	88	103	16	233	18	60	137	65	
23		4	255	39	2	22	2	24	14	8	4	7	
24	103	133	488	296	133	135	22	400	22	244	225	77	
25	25	123	383	142	30	21	1	79	12	82	44	12	
26	1	61	17	3	18	8	4	17		20	56	7	
27	37	48	113	46	18	32	7	218	10	52	43	8	
28	17	71	147	61	4	51	5	74	17	49	55	14	15
29	33,144	17,373	77,058	48,045	52,323	295,603	3,687	121,867	5,162	153,741	50,031	14,064	
30	14,006	11,115	32,018	38,128	8,650	62,086	1,805	77,476	940	38,210	38,125	2,702	
31	845,100	1,600,300	4,323,540	2,328,246	1,484,100	5,553,300	94,700	12,681,517	70,300	6,490,510	2,532,932	540,700	
32	888	441	2,254	890	332	518	233	1,778	269	497	482	248	
33	251	328	1,498	1,301	367	288	40	1,511	71	398	397	83	
34	9	4	10	9	5	4	1	18	2	5	8	1	
35	210	237	1,399	972	225	241	36	1,197	65	229	233	50	
36	2,760,855	3,732,565	11,018,235	9,721,155	3,076,708	2,061,515	221,425	15,911,023	378,650	6,013,275	4,329,746	417,430	
37	683,580	992,293	3,009,142	2,394,773	785,106	543,342	51,498	3,263,701	98,677	1,098,618	1,154,650	114,874	
38	24.8	26.6	27.3	24.6	25.5	26.4	28.3	20.5	26.1	18.3	26.7	27.4	

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

SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	0,102	9,048	23,054	17,136	6,319	2,863	694	23,044	1,387	2,451	5,858	1,720	
2	5,305	8,915	17,429	8,895	4,948	2,096	640	19,986	861	2,152	4,399	1,471	
3	2,215,438	3,590,523	8,913,051	5,492,579	2,082,758	898,137	162,624	10,494,695	207,770	953,045	2,564,036	511,601	
4	198,032	1,089,424	2,346,020	1,243,844	489,220	123,967	435	183,875	50,626	67,641	763,917	119,461	
5	25,056	33,171	257,085	119,831	46,893	3,823		153,461	714	5,196	162,392	15,207	
6	200,719	282,684	394,096	2,363,193	277,709	33,552		2,690,537	2,600		319,693	33,084	
7	254,999	381,903	1,192,532	154,998	183,527	182,953	46,277	201,880	35,522	267,905	88,338	40,673	
8	163,101	275,609	879,805	61,256	89,104	102,933	21,885	44,002	14,282	142,134	32,649	10,344	
9	39,470	873	211,319	2,125				16,850	155			900	
10	35,720	724	207,012	2,000				16,750					
11	218,209	388,472	911,873	1,216,976	241,332	80,839	14,812	983,432	25,276	97,762	396,490	48,454	
12	191,448	361,475	840,165	1,190,228	217,430	67,604	7,220	942,746	18,901	64,912	382,326	40,583	
13	57,444	66,493	1,512,601	121,077	101,908	96,134	10,800	204,167	22,710	61,703	84,010	44,202	
14	20,839	20,018	999,877	56,524	50,556	53,029	4,591	73,443	9,894	20,431	36,153	23,844	
15	254,107	426,201	9,470,880	648,248	420,198	306,452	31,776	1,033,110	94,507	372,111	347,209	111,892	
16	107,772	274,549	8,943,880	339,130	301,370	189,294	7,440	646,099	49,907	172,489	207,276	59,439	
17	93,177	128,295	3,038,518	237,685	167,240	149,168	15,957	325,658	36,457	124,710	131,892	66,938	
18	39,592	70,580	2,522,293	132,380	113,830	104,066	5,932	183,452	19,351	55,736	76,559	43,838	
19	85,322	2,873	7,014	61,592	70,812	15,779	1,605	290,435	12,310	1,839,986	106,982	545	
20	324		44	1,371	745	115	15	4,743	65	20,918	1,125	10	
21	8,317	491	941	5,160	4,909	1,198	207	17,434	879	109,785	8,313	83	
22	14,975	157,499	75,925	22,837	149,821	336,373	2,603	33,150	1,408	21,465	82,602	63,383	
23	134	3	2,330	50	800	36,119	44	510	177	400	316	208	
24	23,038	161,312	74,951	22,700	110,738	349,689	1,892	35,218	996	14,306	76,497	45,777	
25	1,735	5,233	12,664	6,107	3,053	1,068	43	8,583	664	1,027	5,215	1,003	
26	40,651	4,555	6,436	11,632	5,093	9,596	3,174	34,808	4,306	15,257	6,433	6,351	
27	547	882	638	2,175	565	578	18	1,981	102	626	1,599	190	
28	7,234	8,999	10,242	17,286	11,303	5,520	1,438	39,591	1,911	5,984	24,355	2,744	
29	15,686	67,376	10,979	16,396	80,502	73,718	71	11,256	844	8,850	33,520	23,420	
30	1,655,950	594,201	427,511	905,059	603,534	542,031	78,488	1,705,826	126,632	727,063	793,395	306,722	
31	149,915	49,443	44,787	53,702	34,290	50,397	15,086	92,823	9,460	28,076	54,907	17,191	

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

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	
VALUE OF ALL CROPS									
1	Total.....	dollars..	153,111,013	4,276,987	83,206	452,270	2,364,515	409,168	2,164,299
2	Cereals.....	dollars..	28,039,826	394,907	25,833	55,405	556,107	7,881	1,578,543
3	Other grains and seeds.....	dollars..	7,318,211	31,257	8	90	767	755	36,023
4	Hay and forage.....	dollars..	42,187,215	1,547,119	49,147	229,932	806,735	217,191	340,462
5	Vegetables.....	dollars..	12,121,958	810,628	3,291	41,583	55,314	58,093	30,458
6	Fruits and nuts.....	dollars..	50,706,869	806,977	1,444	59,559	797,893	53,368	129,389
7	All other crops.....	dollars..	12,736,934	686,079	3,483	65,651	147,699	71,880	49,424
SELECTED CROPS (acres and quantity)									
8	Cereals:								
9	Total.....	acres.....	1,970,492	15,953	791	3,561	40,799	466	105,390
10	Corn.....	bushels..	39,105,917	561,952	28,218	78,929	651,260	9,217	2,251,051
11	Oats.....	acres.....	51,935	503		301	359	80	706
12	Wheat.....	bushels..	1,273,901	13,097		12,526	14,856	1,776	16,610
13	Barley.....	acres.....	192,158	1,725	135	1,354	1,432	108	771
14	Rye.....	bushels..	4,143,688	53,745	7,274	30,813	54,685	2,121	12,556
15	Kafir corn and milo maize.....	acres.....	478,217	1,075	618	293	20,894	51	11,168
16	Dry peas.....	bushels..	6,203,206	21,535	19,464	5,169	245,743	439	221,549
17	Dry edible beans.....	acres.....	1,195,158	12,650	88	1,513	17,705	222	89,985
18	Other grains.....	bushels..	26,441,954	473,575	1,480	29,071	326,447	4,833	1,949,223
19	Hay and forage.....	acres.....	7,027						77
20	Timothy alone.....	bushels..	70,683						987
21	Timothy and clover mixed.....	acres.....	44,308				499	5	2,598
22	Clover alone.....	bushels..	938,049	10			9,529	48	48,418
23	Alfalfa.....	acres.....							
24	Millet or Hungarian grass.....	acres.....							
25	Other tame or cultivated grasses.....	bushels..							
26	Wild, salt, or prairie grasses.....	acres.....	2,959	215				2	14
27	Grains cut green.....	bushels..	57,468	5,794				16	180
28	Coarse forage.....	acres.....	187,987	86		3	27	8	1,083
29	Special crops.....	bushels..	3,328,218	2,033	3	31	150	238	20,037
30	Potatoes.....	acres.....							
31	Sweet potatoes and yams.....	acres.....							
32	All other vegetables.....	acres.....							
33	Sugar beets.....	acres.....							
34	FRUITS AND NUTS								
35	Orchard fruits:								
36	Total.....	acres.....	2,533,347	80,735	3,846	14,449	55,962	15,281	29,551
37	Apples.....	tons.....	4,327,130	113,534	5,815	17,961	91,832	15,686	45,779
38	Peaches and nectarines.....	acres.....	645,595	6,817	2,345	2,700	11,809	1,610	4,709
39	Pears.....	tons.....	1,875,374	12,191	4,174	5,839	41,093	3,468	15,077
40	Plums and prunes.....	acres.....	13,725		206	6	226	79	225
41	Cherries.....	tons.....	20,001		315	6	102	72	305
42	Apricots.....	acres.....	46,601	84	351	29	157	118	160
43	Grapes.....	tons.....	73,183	115	567	29	271	290	191
44	Tropical fruits.....	acres.....	8,519	407	10	33	81	102	10
45	Small fruits.....	tons.....	20,380	472	20	33	95	206	20
46	Nuts.....	acres.....	484,134	1,109	1,081	1,724	9,351	649	4,242
47	Almonds.....	tons.....	1,639,707	3,514	2,573	4,778	38,196	2,313	14,472
48	Pecans.....	acres.....	2,142	15					2
49	Walnuts (Persian or English).....	tons.....	2,688	30					4
50	Other tame or cultivated grasses.....	acres.....	90,414	5,202	697	908	1,994	662	70
51	Wild, salt, or prairie grasses.....	tons.....	119,415	8,000	699	993	2,369	587	85
52	Grains cut green.....	acres.....	253,127	729	1,116	3,599	1,253	4,648	568
53	Coarse forage.....	tons.....	281,033	1,030	1,309	3,471	1,177	3,431	552
54	Special crops.....	acres.....	1,604,745	73,041	355	8,090	42,726	9,023	24,221
55	Potatoes.....	tons.....	2,019,526	99,538	312	8,651	49,243	8,787	29,047
56	Sweet potatoes and yams.....	acres.....	25,868	129			174	56	
57	All other vegetables.....	bushels..	60,611	507			319	426	
58	Sugar beets.....	acres.....	67,688	1,655	22	125	171	147	439
59	All other vegetables.....	bushels..	9,824,005	175,920	2,944	14,054	17,201	20,997	28,391
60	Sugar beets.....	acres.....	5,111	2		1	21		6
61	All other vegetables.....	bushels..	572,814	140		200	2,345		482
62	Sugar beets.....	acres.....	79,183	7,459	14	315	513	278	160
63	All other vegetables.....	acres.....	78,957	2,516			711	1	211
64	Sugar beets.....	tons.....	845,191	29,201			6,977	1	1,824
65	FRUITS AND NUTS								
66	Orchard fruits:								
67	Total.....	acres.....	22,485,195	627,824	1,531	43,332	452,302	31,276	71,796
68	Apples.....	bushels..	31,501,507	799,376	762	51,757	693,210	44,963	125,122
69	Peaches and nectarines.....	acres.....	2,482,762	26,045	1,140	8,502	34,425	13,341	3,067
70	Pears.....	bushels..	6,335,073	38,346	642	11,990	42,671	21,583	4,507
71	Plums and prunes.....	acres.....	7,829,011	12,555	28	16,349	255,047	5,954	4,075
72	Cherries.....	bushels..	9,267,118	14,561	40	20,606	356,683	6,794	3,372
73	Apricots.....	acres.....	1,410,905	70,382	79	5,112	22,159	2,178	2,432
74	Grapes.....	bushels..	1,928,097	99,994	36	4,430	25,318	5,358	1,906
75	Tropical fruits.....	acres.....	7,168,705	157,981	214	10,685	104,474	8,265	57,468
76	Small fruits.....	bushels..	9,317,979	157,270	42	11,880	252,141	9,901	111,058
77	Nuts.....	acres.....	522,304	89,284	63	1,143	4,317	459	223
78	Almonds.....	bushels..	501,013	89,662	2	1,588	4,403	329	228
79	Pecans.....	acres.....	2,992,453	270,461	7	1,197	9,900	672	4,420
80	Walnuts (Persian or English).....	bushels..	4,066,823	399,035		949	11,126	405	3,323
81	FRUITS AND NUTS								
82	Grapes:								
83	Total.....	vines.....	144,097,670	2,390,959	9,000	314,604	258,742	212,300	482,417
84	Tropical fruits:	pounds..	1,979,686,525	20,671,600	56,000	2,743,320	1,499,000	1,457,030	5,010,240
85	Total.....	acres.....	8,728,005	15,900	4	780	235,442	6,315	3,537
86	Pigs.....	acres.....	289,001	482		347	9,518	1,839	1,391
87	Oranges.....	pounds..	22,990,353	9,990		24,315	337,725	142,990	60,577
88	Lemons.....	acres.....	6,615,805	3,782		151	147,412	388	1,537
89	Olives.....	boxes..	14,436,180	6,074		283	128,108	544	2,970
90	Pomeloes (grapefruit).....	acres.....	941,293	600		8	2,223	19	199
91	Small fruits:	boxes..	2,750,221	2,144		12	1,222	37	148
92	Total.....	acres.....	836,347	10,963	4	274	73,453	4,065	336
93	Strawberries.....	pounds..	16,132,412	45,285	50	2,600	2,242,445	10,465	5,716
94	Blackberries and dewberries.....	acres.....	43,424	4			122	3	70
95	Nuts.....	boxes..	122,515	2			171	2	147
96	Total.....	acres.....	9,687	401		29	148	34	7
97	Strawberries.....	quarts..	26,824,120	890,867	1,510	46,124	207,794	37,948	12,594
98	Blackberries and dewberries.....	acres.....	4,559	18		6	48	5	1
99	Nuts.....	quarts..	15,694,326	41,770		9,269	54,513	11,210	2,120
100	Total.....	acres.....	2,576	12		13	57	14	5
101	Almonds.....	quarts..	4,898,524	20,225		18,055	76,793	13,366	7,099
102	Pecans.....	acres.....							
103	Walnuts (Persian or English).....	quarts..							
104	Total.....	acres.....	2,034,302	25,250	12	830	85,445	15,619	17,409
105	Almonds.....	pounds..	28,378,115	210,142	75	7,602	832,019	51,932	105,782
106	Pecans.....	acres.....	1,166,730	21,190	12	628	84,069	14,024	16,078
107	Walnuts (Persian or English).....	pounds..	6,692,513	165,871	75	3,931	799,351	27,080	90,479
108	Small fruits.....	acres.....	44,955	5		1	158	6	10
109	Nuts.....	pounds..	44,955	80		50	5,450		340
110	Almonds.....	acres.....	852,237	3,726		185	1,063	832	1,306
111	Pecans.....	pounds..	21,432,260	46,183		3,266	22,906	22,117	13,463

STATISTICS OF AGRICULTURE.

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

	Contra Costa.	Del Norte.	Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.
1	4,032,054	111,952	471,514	7,991,187	1,350,910	1,438,425	1,901,358	532,643	1,803,255	3,180,114	517,796	897,949
2	604,035	8,877	15,189	510,053	909,796	117,802	755,239	155,416	500,973	550,869	129,857	214,275
3	104,487	164	120	19,085	707	19,249	.....	3,496	13,580	20,704	17,641	20,267
4	1,617,610	85,763	196,638	1,702,818	327,008	893,913	802,990	252,610	953,044	1,171,101	196,095	582,371
5	1,128,603	10,605	41,950	1,055,600	13,644	175,817	295,889	57,314	96,968	140,137	44,701	51,047
6	499,436	2,878	143,924	5,270,794	35,661	141,493	20,804	44,047	159,698	1,219,568	90,001	16,304
7	80,313	3,665	73,693	370,147	64,101	90,151	20,876	18,760	78,992	77,735	38,601	13,685
8	22,538	251	942	44,726	73,200	4,520	47,548	4,849	48,807	34,292	7,219	14,723
9	832,988	13,042	15,974	887,884	1,295,299	152,978	1,145,647	157,031	711,634	687,738	147,260	249,976
10	263	1	38	1,422	671	253	690	1,883	466	2,274	981	4
11	6,158	12	768	37,726	21,999	7,633	14,419	57,917	7,132	43,688	26,317	93
12	1,112	216	543	1,554	1,283	2,823	.....	30	82	109	343	.....
13	40,173	12,078	10,504	20,027	32,620	75,803	372	28,875	770	4,490	19,914	977
14	2,448	.....	193	7,829	17,631	134	125	1,715	12,924	8,634	2,503	25,647
15	53,332	.....	3,201	97,391	232,911	3,370	2,559	50,858	139,375	141,978	46,131	9,938
16	18,665	32	50	32,132	53,613	1,290	36,386	678	32,492	19,237	2,825	153,863
17	731,970	840	884	694,234	1,002,537	65,991	908,916	19,331	517,029	402,432	54,758	3,244
18	.....	2	117	100	14	181	.....	.....	30	5	7	526
19	.....	112	609	1,000	.....	.....	.....	.....	1,500	100	140	6,018
20	.....	.....	.....	1,689	162	.....	9,789	.....	2,813	3,931	.....	.....
21	.....	.....	.....	37,506	4,972	.....	213,781	.....	45,828	95,010	.....	.....
22	.....	4	.....	6	.....	517	.....	1	.....	15	.....	.....
23	.....	60	.....	172	.....	9,056	.....	10	.....	75	.....	.....
24	2,298	.....	1	9	.....	18	.....	70	26	21	.....	.....
25	65,743	10	30	155	.....	392	.....	1,055	648	576	.....	.....
26	58,937	3,052	12,115	95,265	25,143	30,018	57,084	16,209	58,955	57,749	12,653	62,758
27	129,080	10,131	11,685	214,659	37,584	118,613	101,763	43,605	112,995	158,308	19,089	92,634
28	8,497	1,244	1,531	43,032	4,039	7,798	31,102	15,080	23,617	38,814	3,669	23,202
29	15,365	2,271	2,342	167,493	11,927	20,093	72,424	41,602	73,273	125,188	8,357	44,176
30	.....	6	13	.....	6	174	.....	22	.....	.....	50	205
31	.....	11	14	.....	8	194	.....	43	.....	.....	60	649
32	.....	49	443	3	.....	109	.....	.....	.....	.....	104	9,475
33	.....	148	466	6	22	363	.....	1,906	.....	.....	180	13,239
34	899	63	234	10	5	2,459	.....	12	.....	13	330	.....
35	1,874	169	493	62	4	6,974	.....	15	.....	51	462	.....
36	3,477	33	407	47,776	3,211	974	30,847	12,440	23,600	36,778	2,795	11,709
37	8,163	90	824	167,217	10,848	3,287	72,201	37,059	73,259	123,112	7,260	27,452
38	356	.....	37	.....	.....	17	.....	3	5	5	.....	.....
39	427	.....	37	.....	.....	63	.....	3	.....	.....	14	.....
40	3,825	1,093	447	243	799	4,065	697	12	2,023	385	1,723	.....
41	4,901	1,853	508	208	1,045	9,707	210	893	12	2,025	891	2,836
42	1,050	50	2,535	2,741	235	901	55	1,076	148	833	1,152	36,879
43	1,215	50	2,191	2,943	193	1,368	100	1,681	105	734	1,816	45,016
44	79,368	1,509	7,989	44,159	20,824	18,773	20,995	28	30,069	17,629	7,810	2,677
45	112,472	3,597	7,142	43,883	25,332	35,805	25,105	49	35,441	28,629	9,351	3,442
46	22	195	10	8,312	5	495	4,912	22	5,121	473	22	.....
47	21	2,477	10	800	12	6,736	4,134	200	4,174	3,755	65	.....
48	12,687	60	113	213	24	1,103	60	326	339	194	182	259
49	2,226,695	9,800	13,513	23,891	1,435	150,437	3,347	52,894	51,066	17,658	21,773	35,703
50	.....	.....	.....	57	1	.....	9	.....	31	.....	.....	.....
51	20	.....	.....	8,713	105	.....	1,017	13	2,453	2,862	15	.....
52	3,650	29	197	1,301	115	675	3,672	240	589	674	353	184
53	40	.....	.....	1,228	1,264	.....	.....	.....	504	.....	.....	2
54	250	.....	.....	1,196	9,769	.....	4	.....	1,304	.....	10	.....
55	225,939	3,549	180,017	2,579,859	44,585	117,368	3,170	30,164	136,088	1,048,506	120,037	17,511
56	213,351	3,556	149,543	3,116,325	20,613	1,589,053	928	45,760	164,628	1,315,117	123,945	13,731
57	13,429	3,234	31,929	32,097	4,617	73,010	86	19,611	7,725	4,190	22,254	12,679
58	18,494	3,110	26,529	34,505	4,909	1,562,585	3	35,430	10,006	8,507	15,537	10,349
59	39,461	42	61,800	2,277,314	6,420	9,471	432	4,602	35,149	777,697	9,288	1,455
60	38,525	32	58,738	2,727,978	3,175	10,552	228	5,037	30,278	803,637	8,536	1,753
61	65,088	129	49,672	13,356	1,655	3,804	347	2,668	1,057	4,379	39,075	632
62	75,803	154	36,848	7,548	1,500	3,196	11	1,065	8,007	3,079	39,871	2,223
63	58,177	96	32,764	66,926	24,860	26,950	347	2,349	58,076	132,192	47,244	2,223
64	54,831	222	23,327	139,252	3,559	12,161	3	1,845	74,053	235,851	54,807	1,069
65	7,253	48	3,259	2,720	8	3,733	.....	599	163	11	590	439
66	5,139	38	3,051	2,104	48	5,040	.....	331	64	205	784	61
67	85,812	.....	503	186,823	6,830	235	1,922	342	33,573	124,007	1,463	70
68	19,906	.....	786	206,536	2,310	267	673	416	48,935	234,147	536	17
69	2,972,130	.....	581,342	40,687,207	20,416	4,095	298,813	39,478	419,582	4,533,732	296,752	31
70	32,217,181	.....	4,891,740	611,259,961	145,300	76,405	1,210,475	292,730	1,715,540	91,434,166	1,750,522	800
71	10,597	1	677	291,754	6,783	83	2,411	14	82,888	495	4,340	.....
72	293	1	587	120,124	879	82	606	14	1,475	391	1,062	.....
73	16,235	.....	74,060	15,893,146	63,235	2,430	10,450	400	92,690	26,720	41,896	.....
74	402	.....	53	85,781	4,860	.....	1,410	.....	30,940	24	72	.....
75	453	.....	195	92,640	1,704	.....	3,012	.....	32,232	31	13	.....
76	148	.....	.....	12,389	593	.....	36	.....	54	.....	8	.....
77	92	.....	.....	10,083	432	.....	4	.....	37	.....	.....	.....
78	9,744	.....	37	72,788	445	.....	41	.....	393	5	3,108	.....
79	340,410	.....	4,020	655,302	14,290	.....	18	.....	2,950	400	7,300	.....
80	.....	.....	.....	346	5	.....	10	.....	.....	.....	.....	.....
81	.....	.....	.....	431	13	.....	1	.....	7	.....	.....	.....
82	6	1	23	210	8	87	21	21	34	31	25	20
83	13,654	1,760	31,427	1,196,643	15,005	219,489	1,736	18,621	32,087	94,940	33,910	14,889
84	1	1	5	148	2	58	5	5	2	15	6	5
85	2,880	1,050	8,215	750,708	2,945	152,758	.....	5,591	2,112	53,810	12,227	3,380
86	3	.....	11	91	4	.....	1	8	26	13	15	2
87	2,774	300	12,480	247,188	8,980	5,757	1,426	9,835	24,900	33,260	15,261	2,354
88	215,249	6	1,512	8,203	26,336	827	53	72	3,819	1,747	8,920	16
89	941,400	.....	27,130	70,097	67,707	2,975	400	2,170	26,615	38,295	55,198	250
90	209,056	.....	433	7,390	25,739	304	29	28	3,101	1,721	8,281	8
91	830,112	.....	3,850	56,472	61,055	580	.....	1,080	23,505	37,040	47,316	.....
92	25	3	.....	56	15	.....	.....	9	563	2	6	.....
93	200	.....	.....	225	350	.....	.....	150	1,290	40	350	.....
94	6,148	3	880	634	220	408	24	35	127	24	564	8
95	110,088	.....	10,855	7,991	3,617	8,220	400	940	1,565	1,215	5,232	250

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

		Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.
VALUE OF ALL CROPS								
1	Total.....	dollars.. 14,720,884	1,686,418	534,383	230,632	1,531,986	3,423,574	1,176,038
2	Cereals.....	dollars.. 806,507	1,220,003	19,766	18,515	175,678	1,691,566	329,318
3	Other grains and seeds.....	dollars.. 218,423	900	15	1,430	927	11,251	59,506
4	Hay and forage.....	dollars.. 3,430,698	290,258	425,987	109,699	526,688	1,355,098	621,177
5	Vegetables.....	dollars.. 1,255,093	27,995	42,916	28,024	121,941	187,563	98,574
6	Fruits and nuts.....	dollars.. 6,731,532	126,124	31,816	43,025	166,534	147,964	49,894
7	All other crops.....	dollars.. 2,278,626	21,138	13,883	29,939	540,218	30,142	17,569
SELECTED CROPS (acres and quantity)								
8	Cereals:							
9	Total.....	acres.... 49,957	140,822	975	1,807	9,433	124,578	19,152
10	Corn.....	bushels.. 1,138,833	1,722,889	34,877	24,098	199,039	2,581,975	452,377
11	Oats.....	acres.... 9,084	1	52	174	533	1,877	6
12	Wheat.....	bushels.. 249,295	50	2,061	2,330	14,454	52,778	209
13	Barley.....	acres.... 973	10,569	850	55	3,087	19,843	728
14	Rye.....	bushels.. 38,720	175,047	31,430	1,100	81,959	338,041	22,138
15	Wheat.....	acres.... 6,760	39,468	57	124	3,906	10,399	9,362
16	Barley.....	bushels.. 59,806	370,499	1,155	1,298	59,195	115,938	195,924
17	Rye.....	acres.... 32,804	90,341	16	1,434	1,904	88,145	8,650
18	Kafir corn and milo maize.....	bushels.. 785,129	1,170,945	231	19,130	43,370	2,009,531	227,473
19	Other grains:							
20	Dry peas.....	acres.... 100	1,400		20	3	2,108	406
21	Dry edible beans.....	bushels.. 745	343		240	61	19,917	6,033
22	Other grains:							
23	Dry peas.....	acres.... 14				17		
24	Dry edible beans.....	bushels.. 311				345		4
25	Hay and forage:							
26	Total.....	acres.... 154,048	17,608	17,460	6,521	27,015	68,917	75,479
27	All tame or cultivated grasses.....	tons..... 316,541	29,978	37,972	6,049	38,085	173,335	118,905
28	Timothy alone.....	acres.... 21,327	5,800	3,613	364	9,330	38,741	21,402
29	Timothy and clover mixed.....	tons..... 104,137	10,796	5,966	506	14,525	145,392	43,750
30	Clover alone.....	acres.... 25	5	80	65	180	5	1,512
31	Alfalfa.....	tons..... 45	6	200	100	228	7	3,662
32	Millet or Hungarian grass.....	acres.... 52			29	489		5,754
33	Other tame or cultivated grasses.....	tons..... 142			34	578		10,195
34	Wild, salt, or prairie grasses.....	acres.... 182			25	350		
35	Alfalfa.....	tons..... 19,027	5,735	80	6	556	317	
36	Millet or Hungarian grass.....	acres.... 100,855	16,717	86	28	2,401	37,842	10,869
37	Other tame or cultivated grasses.....	tons..... 63			97	6,253	144,367	24,480
38	Wild, salt, or prairie grasses.....	acres.... 142			40	15	31	40
39	Grains cut green.....	acres.... 2,160	60	3,428	177	5,895	784	3,227
40	Coarse forage.....	tons..... 2,943	73	5,600	223	6,884	680	5,378
41	Wild, salt, or prairie grasses.....	acres.... 651	516	169	685	1,164	10,308	50,579
42	Grains cut green.....	tons..... 793	423	179	659	1,178	7,228	70,148
43	Coarse forage.....	acres.... 129,978	11,283	13,055	5,472	16,420	19,751	3,496
44	Special crops:							
45	Potatoes.....	tons..... 189,856	12,757	20,787	4,884	21,356	20,293	4,992
46	Sweet potatoes and yams.....	acres.... 1,545	7	132		61	116	
47	All other vegetables.....	tons..... 9,502	2	299		102	417	
48	Sugar beets.....	acres.... 4,140	75	435	70	616	246	346
49	Sweet potatoes and yams.....	bushels.. 413,151	6,062	33,469	8,537	78,909	18,882	44,014
50	All other vegetables.....	acres.... 342	2				2,114	
51	Sugar beets.....	bushels.. 44,142	100				255,938	
52	FRUITS AND NUTS							
53	Sugar beets.....	acres.... 13,385	256	117	193	594	380	549
54	Sugar beets.....	acres.... 14,191					2	9
55	Sugar beets.....	tons..... 162,059					24	137
56	Orchard fruits:							
57	Total.....	trees.... 446,698	80,156	32,263	19,461	125,282	163,013	37,776
58	Apples.....	bushels.. 590,929	40,077	22,420	34,283	212,320	108,843	71,883
59	Peaches and nectarines.....	trees.... 101,433	20,576	15,995	16,001	63,263	8,941	28,969
60	Pears.....	bushels.. 118,528	11,227	6,907	29,141	112,856	7,267	60,202
61	Plums and prunes.....	trees.... 160,197	40,989	6,313	1,618	6,928	134,991	2,113
62	Cherries.....	bushels.. 234,581	20,996	3,092	1,803	10,031	90,954	1,866
63	Apricots.....	trees.... 16,149	1,185	4,151	701	15,829	5,704	1,888
64	Plums and prunes.....	bushels.. 21,161	1,164	8,979	1,628	23,666	2,624	3,334
65	Cherries.....	trees.... 43,592	7,570	3,775	762	37,197	5,401	3,182
66	Apricots.....	bushels.. 34,295	435	2,625	1,168	63,556	3,437	4,660
67	Small fruits:							
68	Strawberries.....	trees.... 795	40	165	120	1,181	343	963
69	Blackberries and dewberries.....	bushels.. 168	20	111	216	1,576	64	1,033
70	Apricots.....	trees.... 122,769	9,408	1,689	233	187	7,381	652
71	Grapes.....	bushels.. 181,079	6,188	633	415	305	4,263	738
72	Grapes.....	vines.... 4,923,877	1,530,630	115,198	28,647	924,191	1,281,342	795
73	Tropical fruits:							
74	Total.....	pounds.. 44,846,307	21,105,970	1,982,560	285,740	6,471,051	12,085,751	7,100
75	Figs.....	trees.... 1,994,402	22,532	387	4,378	370	18,613	
76	Oranges.....	trees.... 5,736	4,321	201	461	358	9,837	
77	Lemons.....	pounds.. 397,376	82,290	1,065	135,455	25,125	793,495	
78	Olive.....	trees.... 1,074,695	184	79	1,169	4	1,572	
79	Olives.....	boxes.. 4,124,161	114	147	1,691	3	1,097	
80	Pomeles (grapefruit).....	trees.... 219,149	15	26	35		209	
81	Small fruits:							
82	Strawberries.....	boxes.. 704,301	16	25	50		217	
83	Blackberries and dewberries.....	trees.... 84,934	18,010	48	2,711	7	6,981	
84	Pomeles (grapefruit).....	pounds.. 1,549,419	38,035	160	2,452	100	90,916	
85	Small fruits:							
86	Total.....	boxes.. 11,810	2	5	1		11	
87	Small fruits:							
88	Total.....	acres.... 1,975	7	3	7	57	34	37
89	Strawberries.....	quarts.. 7,837,987	4,270	5,130	8,705	69,492	47,293	44,168
90	Blackberries and dewberries.....	acres.... 1,380	2	1	1	22	5	9
91	Nuts:							
92	Total.....	quarts.. 5,135,203	1,750	1,750	1,217	35,296	8,377	10,113
93	Almonds.....	acres.... 280	3	2	2	14	21	9
94	Pecans.....	quarts.. 1,019,735	1,380	380	4,470	11,900	25,230	11,515
95	Walnuts (Persian or English).....	trees.... 359,349	2,797	212	262	762	17,845	27
	Almonds.....	pounds.. 6,204,703	8,535	1,497	4,270	33,040	127,357	535
	Pecans.....	trees.... 76,949	2,778	151	158	229	17,132	
	Walnuts (Persian or English).....	pounds.. 57,770	7,975	1,112	1,918	4,260	114,499	
	Walnuts (Persian or English).....	trees.... 313	5				31	
	Walnuts (Persian or English).....	pounds.. 6,400					200	
	Walnuts (Persian or English).....	trees.... 281,837	14	61	91	360	633	3
	Walnuts (Persian or English).....	pounds.. 6,138,033	560	385	2,019	9,990	11,538	80

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ACREAGE AND PRODUCTION OF PRINCIPAL CROPS, BY COUNTIES: 1909—Continued.

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.
1	107,757	4,325,535	1,637,442	386,326	6,178,337	1,813,419	432,919	5,133,576	4,720,010	1,741,155	6,818,233	2,861,136	323,926
2	5,023	1,695,220	168,471	3,101	562,563	104,677	74,736	895,051	232,584	208,068	93,464	458,836	
3	552	87,676	6,224	58	652,768			10,180	405,143	138,590	1,007	91,268	3,310
4	55,083	1,125,740	465,362	150,879	976,896	194,464	299,817	1,024,075	786,239	963,249	932,240	1,110,127	1,460
5	13,896	330,296	126,848	54,654	640,864	52,253	21,772	133,199	509,231	34,425	107,283	174,869	190,965
6	3,038	438,783	786,745	89,771	2,497,734	1,815,731	3,872	2,393,371	2,265,660	281,891	5,357,098	941,767	920
7	665	677,840	104,262	78,963	944,517	143,204	32,722	77,100	521,123	54,932	327,042	84,269	127,271
8	217	131,453	10,979	249	32,415	10,104	4,933	73,236	20,303	16,622	5,932	37,293	
9	5,939	2,581,066	201,365	3,295	808,381	120,908	103,455	1,219,501	280,718	384,574	132,508	616,870	
10	4	845	2,389	5	3,054	27		372	785	401	920	4,544	
11	160	15,552	59,579	208	91,643	1,055		12,421	34,089	5,389	14,839	71,874	
12	42	8,734	37,366	119	935	5,030	2,193	3,767	4,174	776	436	7,690	
13	3,000	240,760	32,155	1,559	30,858	40,897	75,006	85,540	66,949	13,826	16,598	177,485	
14	167	22,924	4,134	95	793	5,721	766	11,817	10,704	4,451	100	7,268	
15	2,739	208,080	50,671	1,279	10,797	62,167	10,313	159,434	103,728	57,635	200	82,012	
16		98,923	3,048	30	27,884	1,818	1,260	50,946	4,599	10,956	3,260	17,745	
17		2,026,334	58,300	249	671,526	17,128	12,216	958,526	75,575	307,215	85,480	284,677	
18	4						704			15		6	
19	40						5,250			125		50	
20		2	2		189	8		44	2		1,216	17	
21		40	35		3,557	101		580	43		15,391	282	
22	11	154			55				90			12	
23	63	5,218			605				1,703			17	
24	5	1,504	6	1	21,186			50	7,801			3,492	
25	133	29,532	61	18	402,951			192	104,862	67		45,661	
26	6,947	83,647	26,061	8,725	47,651	16,034	30,152	88,430	56,936	64,084	42,608	82,049	103
27	12,118	109,848	39,331	8,497	87,655	13,404	34,038	141,794	70,548	84,380	76,359	86,559	150
28	4,453	3,489	1,739	1,028	11,432	619	9,338	14,111	14,841	2,391	8,333	9,269	61
29	9,542	9,556	3,906	3,527	31,516	1,696	12,567	71,670	37,200	8,393	36,129	18,054	70
30				55		38	81	5	1,303		15	20	
31				56		37	1,084	5	1,187		15	58	
32	2,278		10	267		27	5,239						
33	2,720		15	390		27	7,191						
34	10	60	29	221		78	155		222		18	1	
35	4	90	55	459		77	286		422		40	5	
36	2,086	2,819	1,204	492	5,304	465	711	12,904	9,602	1,940	8,203	2,566	1
37	6,685	8,251	3,423	1,114	23,139	1,249	1,104	69,230	32,021	7,700	35,922	11,739	10
38	15		6	6				407		11	3	21	
39	30		10	87				441		63	6	27	
40	70	610	496	887	6,128	213	2,402	795	3,714	440	69	6,655	60
41	97	1,215	413	1,489	8,177	206	2,832	2,000	3,570	680	146	6,225	60
42	2,494	6,211	398	1,706	65	1,302	19,794	15	1,999	3,727	65	2,792	
43	2,576	5,582	627	1,685	65	824	20,425	15	2,196	3,827	44	2,018	
44		73,492	23,764	5,068	35,753	14,008	985	73,985	40,130	57,319	33,704	68,844	42
45		93,147	34,503	4,191	53,045	10,978	1,031	69,235	31,040	70,439	39,414	60,362	80
46		379	163	21	239	4	15	818	56	1,024	898	1,128	
47		928	274	41	980	6	25	818	112	1,031	722	5,034	
48	97	5,393	530	106	1,770	72	100	309	1,406	205	444	374	87
49	12,094	364,468	81,659	12,733	127,367	7,442	12,638	22,392	160,519	25,438	43,364	35,717	7,366
50			1	1	484			57			65	27	
51				135	56,740			8,062	10		5,081	3,598	50
52	36	658	428	231	3,785			1,225	6,307		183	1,131	466
53		9,900	39	39	10,275			4	7		283	4,121	
54		126,397	78	78	133,612			33	105	3,826	42,928	87	
55	1,595	339,105	497,371	84,259	160,667	1,190,074	4,574	220,723	506,961	207,537	379,533	112,993	1,105
56	1,234	559,680	639,978	84,046	392,981	1,673,123	1,709	301,493	772,287	411,477	598,989	37,662	630
57	1,088	290,404	41,301	20,223	11,992	42,704	3,534	10,577	10,948	26,593	55,150	37,662	40
58	850	501,847	47,216	25,800	12,218	26,848	1,391	9,077	18,235	31,385	79,077	45,687	230
59	91	7,381	71,080	17,873	12,461	683,824	1,384	72,933	39,625	12,301	107,763	29,300	120
60	61	8,093	65,843	22,488	13,104	1,084,566	35	77,138	129,381	25,132	246,049	29,530	125
61	123	5,194	50,210	36,800	2,100	14,999	261	18,447	161,094	15,469	2,302	6,023	
62	122	8,061	81,812	26,279	2,973	115,950	112	18,424	308,352	22,903	3,421	7,585	
63	86	6,189	299,618	6,955	4,509	279,766	510	34,857	206,553	91,066	8,770	10,022	945
64	10	4,122	407,023	7,055	5,295	329,731	161	54,873	269,547	223,443	6,473	8,204	575
65	107	1,729	16,965	7,727	23	31,209	65	862	17,173	3,421	3,087	1,792	
66	190	728	20,895	1,810	9	67,429	10	765	33,729	1,761	2,928		
67	6	27,906	16,953	193	129,352	4,002	18	83,069	10,480	61,694	111,125	20,858	
68	1	36,067	16,273	133	328,931	1,023		145,159	9,951	106,806	171,763	33,001	
69	2,000	79,985	3,595,338	94,388	282,682	1,940,132		1,570,794	7,627,510	177,976	5,987,127	1,228,858	3,006
70	20,000	754,340	66,876,897	757,865	2,684,855	11,281,830		12,133,389	399,386,705	1,620,030	38,608,263	15,204,430	10,000
71		913	23,251	2,311	597,383	59,906	12	1,224,217	84,863	179	2,153,501	425,260	1
72		217	1,234	1,468	1,066	4,463	6	2,054	1,145	128	1,144	2,459	
73		9,146	20,880	67,225	25,123	105,802		73,796	54,450	4,615	33,790	94,323	
74		29	1,192	364	478,272	29,921		1,021,957	46,256	42	1,951,254	107,457	
75		25	1,535	320	1,247,905	14,103		2,006,902	61,517	10	5,425,750	167,201	
76		7	258	6	46,954	714		115,020	2,500	5	157,731	195,318	
77			86		74,227	683		304,683	1,636	4	630,108	473,543	
78		657	20,176	419	67,046	26,396	6	80,572	34,077	4	30,190	109,871	1
79		2,822	36,885	4,273	828,204	417,415		1,281,970	969,962		486,478	2,559,792	
80			9	2	677	289		4,477	864		13,134	5,764	
81			21		2,612	411		16,408	1,278		60,149	12,950	
82	1	407	59	55	205	582	13	64	554	54	130	87	
83	5,011	3,663,576	72,593	78,369	401,213	1,581,923	11,881	123,772	1,974,178	68,426	190,564	369,546	
84		263	22	4	76	433	6	27	450	85	34	43	
85	1,220	2,449,084	45,316	7,047	192,365	1,062,214	6,828	59,305	1,676,826				

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TABLE 5.—SELECTED FARM EXPENSES AND RECEIPTS, BY COUNTIES: 1909.

	THE STATE.	Alameda	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.	Eldorado.
1 Labor..... Farms reporting.....	55,887	1,679	37	308	782	380	489	1,031	75	325
2 Cash expended.....dollars..	42,205,915	1,137,758	33,513	117,281	694,006	74,436	474,376	897,938	49,684	68,885
3 Rent and board furnished.....dollars..	7,770,284	198,459	11,784	35,276	127,711	31,297	104,120	214,073	13,977	13,247
4 Fertilizer..... Farms reporting.....	7,470	103		6	145	23	10	21	2	26
5 Amount expended.....dollars..	2,143,993	17,723		208	24,935	649	266	1,870	77	467
6 Feed..... Farms reporting.....	49,372	1,622	17	222	706	404	310	832	55	407
7 Amount expended.....dollars..	12,676,963	503,529	2,789	38,313	130,914	35,887	53,438	339,727	5,332	44,190
8 Receipts from sale of feedable crops.....dollars..	21,329,528	1,075,258	5,979	69,583	379,080	48,520	984,361	1,180,286	6,577	28,163
	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	Los Angeles.
1 Labor..... Farms reporting.....	4,428	377	955	781	278	734	1,185	352	351	4,915
2 Cash expended.....dollars..	3,110,864	448,080	456,280	638,593	134,455	853,726	897,245	103,159	212,111	3,683,385
3 Rent and board furnished.....dollars..	418,302	127,560	128,272	157,535	41,960	199,375	205,374	26,918	73,496	417,297
4 Fertilizer..... Farms reporting.....	459	11	30	6	4	12	11	2	3	1,607
5 Amount expended.....dollars..	34,491	906	1,680	681	221	1,430	790	40	63	668,152
6 Feed..... Farms reporting.....	3,817	314	959	413	202	566	827	237	234	4,484
7 Amount expended.....dollars..	519,629	50,996	128,237	98,693	45,458	81,682	112,203	21,197	33,015	1,302,854
8 Receipts from sale of feedable crops.....dollars..	505,183	494,437	169,348	652,326	104,790	409,035	503,538	72,333	126,700	539,646
	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.	Nevada.
1 Labor..... Farms reporting.....	294	332	155	691	799	468	80	1,124	981	284
2 Cash expended.....dollars..	377,091	275,980	37,620	389,090	908,711	285,265	76,100	1,039,739	512,111	70,041
3 Rent and board furnished.....dollars..	103,765	117,051	13,419	74,606	285,975	84,514	21,174	247,348	101,041	16,240
4 Fertilizer..... Farms reporting.....	6	2	1	17	150	1	1	15	27	40
5 Amount expended.....dollars..	608	35	60	866	3,609	5		1,252	1,290	932
6 Feed..... Farms reporting.....	207	392	226	684	765	277	38	729	997	434
7 Amount expended.....dollars..	32,910	481,154	33,796	88,424	111,718	52,774	9,579	215,803	195,650	73,199
8 Receipts from sale of feedable crops.....dollars..	305,661	16,770	17,935	156,067	641,264	179,862	15,525	1,130,326	135,568	28,256
	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.	San Joaquin.
1 Labor..... Farms reporting.....	1,812	724	168	1,723	1,065	604	2,235	1,263	91	2,336
2 Cash expended.....dollars..	1,169,619	424,937	110,465	1,147,783	1,459,169	439,399	1,706,117	723,419	153,718	2,031,854
3 Rent and board furnished.....dollars..	90,949	80,292	39,780	115,235	297,861	73,915	105,609	157,440	55,962	442,703
4 Fertilizer..... Farms reporting.....	426	81	3	708	65	6	1,024	232	22	83
5 Amount expended.....dollars..	71,118	7,786	260	323,508	15,274	191	708,516	42,429	6,031	10,657
6 Feed..... Farms reporting.....	1,904	818	123	1,215	936	453	1,832	1,282	94	1,692
7 Amount expended.....dollars..	422,070	150,413	16,164	251,682	258,741	129,738	525,462	242,740	192,373	341,590
8 Receipts from sale of feedable crops.....dollars..	477,430	67,223	72,061	934,278	145,101	479,570	302,493	538,051		2,301,896
	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1 Labor..... Farms reporting.....	1,001	473	973	3,341	896	501	83	600	881	2,781
2 Cash expended.....dollars..	703,251	543,604	1,140,349	2,207,733	495,056	211,790	73,167	330,372	1,080,682	1,534,669
3 Rent and board furnished.....dollars..	186,936	206,897	200,023	252,221	88,487	56,161	24,389	108,527	191,969	258,301
4 Fertilizer..... Farms reporting.....	13	54	50	153	42	25	6	13	18	121
5 Amount expended.....dollars..	1,027	13,450	8,133	16,703	3,537	1,086	140	571	4,142	12,585
6 Feed..... Farms reporting.....	760	341	650	2,971	1,022	632	68	610	657	3,711
7 Amount expended.....dollars..	123,096	412,290	207,555	728,451	203,686	80,630	13,413	77,855	210,596	2,010,285
8 Receipts from sale of feedable crops.....dollars..	322,693	274,031	476,577	331,596	112,972	113,088	38,537	215,777	747,206	301,619
	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1 Labor..... Farms reporting.....	1,323	658	504	165	2,397	259	1,081	947	242	
2 Cash expended.....dollars..	728,023	546,917	509,523	47,666	1,763,220	69,654	1,504,650	998,724	242,781	
3 Rent and board furnished.....dollars..	186,457	118,676	75,303	14,287	266,853	23,710	172,047	210,330	48,002	
4 Fertilizer..... Farms reporting.....	673	3	5	2	144	19	126	6	9	
5 Amount expended.....dollars..	23,180	80	685	170	41,765	1,347	57,432	5,050	2,765	
6 Feed..... Farms reporting.....	1,170	467	581	137	1,908	285	834	535	308	
7 Amount expended.....dollars..	172,951	79,443	95,201	9,911	333,430	39,478	367,748	83,352	52,572	
8 Receipts from sale of feedable crops.....dollars..	629,532	402,157	104,600	49,257	456,061	55,682	297,845	998,968	43,821	

STATISTICS OF AGRICULTURE.

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

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.	Eldorado.
1	Inclosures reporting domestic animals...	58,987	4,925	11	242	702	331	770	65	273
2	Value of domestic animals.....dollars..	18,797,015	1,470,461	2,465	66,504	218,713	85,817	142,975	14,366	62,072
3	Cattle:									
4	Total number.....	46,176	2,038	7	303	686	1,056	470	75	709
5	Value.....dollars..	1,604,717	114,183	196	7,879	24,553	23,863	13,864	24,899	15,293
6	Number of dairy cows.....	29,962	2,147	4	213	434	444	299	467	288
7	Horses:									
8	Total number.....	132,621	11,439	16	492	1,835	746	726	1,378	114
9	Value.....dollars..	16,142,841	1,294,628	1,865	55,565	191,619	58,917	71,600	143,530	44,496
10	Number of mature horses.....	130,293	11,367	15	489	1,803	711	694	1,339	108
11	Mules and asses and burros:									
12	Total number.....	11,669	289	2	34	16	22	291	48	1
13	Value.....dollars..	1,083,495	40,777	300	2,605	1,028	2,102	56,000	6,340	200
14	Number of mature mules.....	10,449	271	2	22	12	21	283	44	1
15	Swine:									
16	Total number.....	12,168	429	5	56	201	107	172	103	1
17	Value.....dollars..	100,761	4,978	38	455	1,444	847	1,039	800	8
18	Sheep and goats:									
19	Total number.....	71,744	3,065	22	.....	23	.....	32	.....	.....
20	Value.....dollars..	265,201	15,895	66	.....	69	.....	88	.....	.....

	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	Los Angeles.
1	Inclosures reporting domestic animals...	2,102	256	888	367	286	988	491	200	233
2	Value of domestic animals.....dollars..	654,329	103,839	216,293	251,464	191,697	771,144	152,080	48,961	129,221
3	Cattle:									
4	Total number.....	1,428	313	1,363	244	315	820	243	365	313
5	Value.....dollars..	50,855	10,311	42,510	10,340	9,255	26,134	10,338	9,092	8,190
6	Number of dairy cows.....	1,149	238	715	174	136	453	183	210	185
7	Horses:									
8	Total number.....	4,525	694	1,549	1,278	902	3,565	1,005	395	743
9	Value.....dollars..	500,973	75,710	165,044	148,097	79,650	428,208	128,955	36,695	61,885
10	Number of mature horses.....	4,429	673	1,527	1,231	834	3,490	1,000	383	677
11	Mules and asses and burros:									
12	Total number.....	674	115	20	559	761	1,482	24	24	26
13	Value.....dollars..	93,960	17,580	1,290	85,785	44,612	290,428	11,120	2,180	1,440
14	Number of mature mules.....	632	108	10	541	622	1,406	16	22	8
15	Swine:									
16	Total number.....	341	43	1,132	878	140	108	124	193	87
17	Value.....dollars..	3,280	212	6,544	5,684	1,073	1,374	1,052	796	634
18	Sheep and goats:									
19	Total number.....	58	5	165	435	16,111	7,597	5	34	18,064
20	Value.....dollars..	261	26	905	1,538	57,107	25,000	24	198	57,072

	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.	Nevada.
1	Inclosures reporting domestic animals...	223	434	49	632	235	277	34	578	460
2	Value of domestic animals.....dollars..	63,219	157,204	25,246	150,714	115,025	87,742	20,663	200,934	97,902
3	Cattle:									
4	Total number.....	155	361	42	806	130	433	65	505	251
5	Value.....dollars..	5,872	12,569	1,091	22,275	5,246	12,043	1,698	13,975	8,041
6	Number of dairy cows.....	119	265	30	522	101	237	30	278	204
7	Horses:									
8	Total number.....	436	1,227	256	1,280	520	811	170	1,535	899
9	Value.....dollars..	42,816	132,870	21,635	123,898	59,230	73,110	16,215	174,034	87,535
10	Number of mature horses.....	429	1,220	242	1,259	505	750	155	1,483	894
11	Mules and asses and burros:									
12	Total number.....	76	81	75	27	30	21	16	112	14
13	Value.....dollars..	14,312	11,514	2,520	2,260	5,295	1,707	2,750	12,525	1,795
14	Number of mature mules.....	66	76	27	24	25	5	16	106	10
15	Swine:									
16	Total number.....	30	1	.....	348	69	156	.....	53	38
17	Value.....dollars..	218	2	.....	2,264	495	882	.....	299	322
18	Sheep and goats:									
19	Total number.....	1	26	.....	4	11,028	.....	7	.....	89
20	Value.....dollars..	1	249	.....	17	44,759	.....	101	179	276

	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.	San Joaquin.
1	Inclosures reporting domestic animals...	1,364	629	145	1,519	1,567	181	1,732	1,614	1,168
2	Value of domestic animals.....dollars..	296,681	210,454	69,174	398,921	489,085	47,174	508,091	537,729	2,864,319
3	Cattle:									
4	Total number.....	885	1,076	162	1,163	646	148	1,671	1,210	2,280
5	Value.....dollars..	38,441	29,391	5,702	41,312	24,559	4,409	51,926	45,829	82,089
6	Number of dairy cows.....	787	475	87	834	506	93	875	936	671
7	Horses:									
8	Total number.....	1,923	1,442	451	2,815	3,917	407	2,977	3,303	21,184
9	Value.....dollars..	224,502	158,613	62,145	318,158	455,185	42,440	343,234	415,660	2,708,054
10	Number of mature horses.....	1,883	1,397	442	2,723	3,808	384	2,940	3,236	21,114
11	Mules and asses and burros:									
12	Total number.....	179	162	14	249	74	4	757	434	320
13	Value.....dollars..	31,215	20,123	660	31,295	8,215	165	103,895	75,193	40,540
14	Number of mature mules.....	173	143	7	198	69	2	615	385	316
15	Swine:									
16	Total number.....	90	252	79	131	164	20	409	15	1,243
17	Value.....dollars..	795	2,186	635	1,091	1,419	160	4,862	129	16,362
18	Sheep and goats:									
19	Total number.....	649	78	6	2,833	80	.....	1,324	118	2,924
20	Value.....dollars..	1,728	141	32	7,065	307	.....	4,174	928	13,274

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

		San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1	Inclousures reporting domestic animals....	663	806	1,270	2,654	890	446	132	580	603	1,222
2	Value of domestic animals.....dollars..	174,961	191,880	414,662	706,416	208,894	148,438	46,553	182,299	145,135	244,023
Cattle:											
3	Total number.....	1,144	913	1,010	1,105	536	948	180	745	579	959
4	Value.....dollars..	29,027	30,380	35,813	45,933	19,149	22,041	5,770	22,422	21,889	23,440
5	Number of dairy cows.....	585	601	842	934	440	324	105	414	475	670
Horses:											
6	Total number.....	1,301	1,424	2,301	5,156	1,543	1,274	312	1,393	1,108	2,166
7	Value.....dollars..	143,159	154,470	366,561	650,512	182,289	118,140	34,800	147,453	120,803	211,969
8	Number of mature horses.....	1,236	1,400	2,732	5,094	1,511	1,219	307	1,371	1,086	2,148
Mules and asses and burros:											
9	Total number.....	18	23	73	66	66	60	55	130	19	23
10	Value.....dollars..	1,475	1,755	11,180	7,727	6,595	3,030	5,610	10,750	1,990	2,140
11	Number of mature mules.....	14	20	54	56	56	34	51	119	18	19
Swine:											
12	Total number.....	52	964	40	125	65	486	35	229	24	164
13	Value.....dollars..	359	4,774	329	1,338	806	2,797	295	1,536	215	1,389
Sheep and goats:											
14	Total number.....	18	114	61	116	79	529	42	28	31	27
15	Value.....dollars..	341	501	799	906	855	1,230	78	138	138	85

		Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1	Inclousures reporting domestic animals....	685	189	256	133	856	459	675	515	109
2	Value of domestic animals.....dollars..	223,751	63,484	71,733	43,066	264,037	115,081	189,457	122,077	58,592
Cattle:										
3	Total number.....	653	387	273	508	831	740	576	371	179
4	Value.....dollars..	28,323	12,311	8,694	11,323	31,500	19,388	20,213	14,006	5,274
5	Number of dairy cows.....	485	204	172	110	543	350	404	281	108
Horses:										
6	Total number.....	1,454	386	568	277	1,765	923	1,374	834	386
7	Value.....dollars..	181,640	42,768	61,930	28,490	208,058	84,274	151,039	100,841	51,105
8	Number of mature horses.....	1,423	355	546	267	1,724	913	1,326	803	376
Mules and asses and burros:										
9	Total number.....	99	19	6	48	137	108	93	30	15
10	Value.....dollars..	12,800	2,750	890	2,410	23,620	7,465	12,920	5,345	1,854
11	Number of mature mules.....	91	18	4	81	119	87	82	24	14
Swine:										
12	Total number.....	157	83	35	106	100	319	280	195	47
13	Value.....dollars..	985	546	180	840	806	2,844	4,108	1,715	348
Sheep and goats:										
14	Total number.....	3	1,003	12	.....	16	473	41	43	2
15	Value.....dollars..	3	5,109	39	.....	83	1,110	177	170	11

CHAPTER 4.

STATISTICS OF IRRIGATION FOR THE STATE AND ITS COUNTIES.

Introduction.—This chapter presents the larger part of the statistics of irrigation for California 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 and their construction and operation are taken from the special schedules.

In accordance with the law, the data collected have been classified primarily on the basis of 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 con-

struction 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.

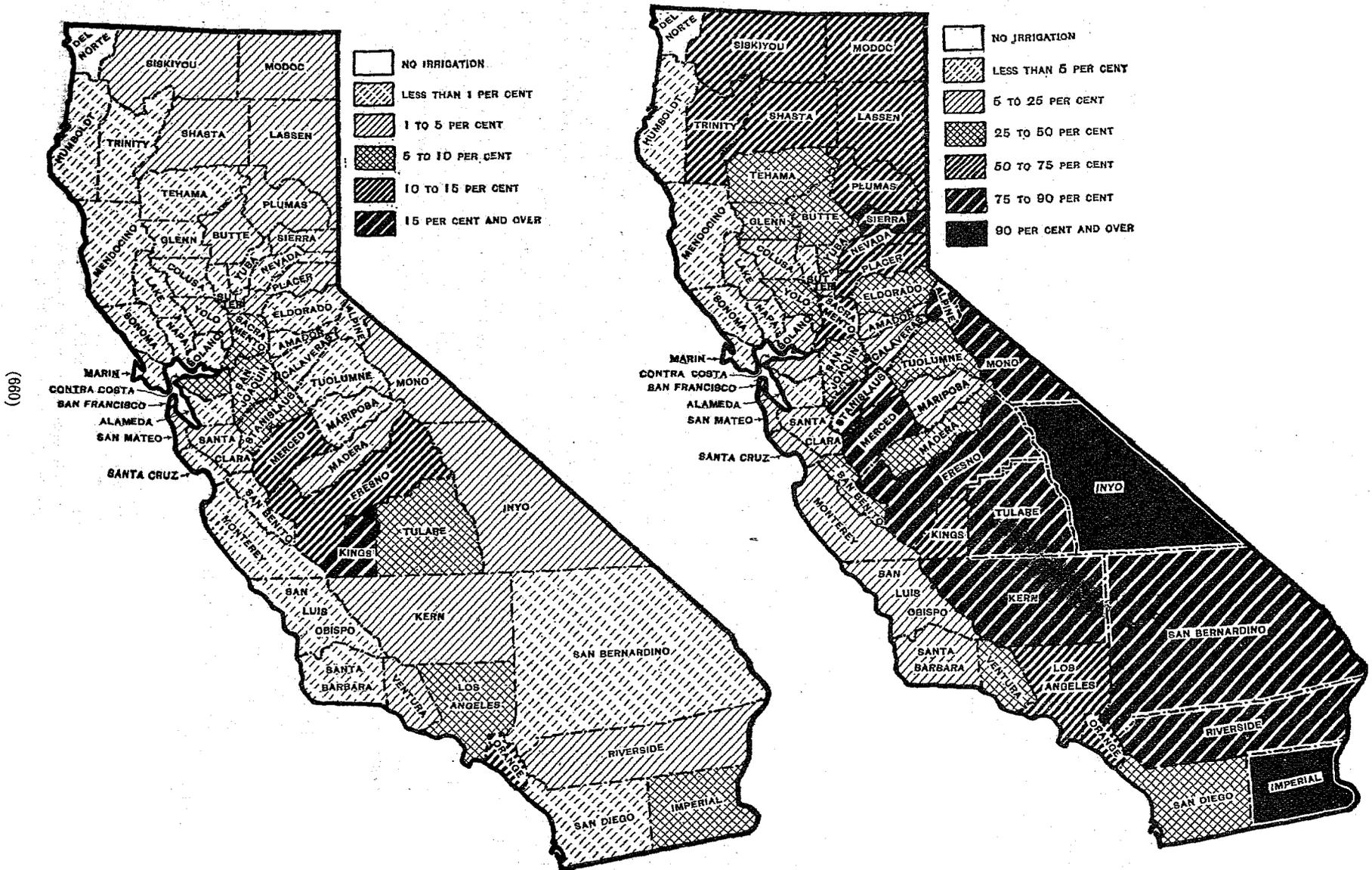
PER CENT OF TOTAL LAND IRRIGATED, AND PER CENT OF NUMBER OF FARMS IRRIGATED, IN CALIFORNIA, BY COUNTIES: 1909.

PER CENT OF TOTAL LAND AREA IRRIGATED.

[Per cent for the state, 2.7.]

PER CENT OF NUMBER OF FARMS IRRIGATED.

[Per cent for the state, 44.6.]



FARMS AND ACREAGE IRRIGATED.

California is traversed by the Sierra Nevada Mountains and the Coast Range, both of which are parallel to the coast in a general way. The greater part of the agricultural land of the state lies in the great central valley between these ranges and in the portion of the state south of the Kern River Mountains. In most sections of the state there is usually sufficient rainfall for the maturing of some crops, although there are some sections where no crops can be grown without irrigation. The normal annual precipitation ranges from about 2 inches in the Imperial Valley, in the southeastern part of the state, to about 60 inches along the coast in the northwestern part.

Irrigation is practiced to some extent throughout the state, but the larger part of the irrigated land lies in the southern part of the great central valley and in

the southern part of the state. The location of the irrigated lands of the state is indicated in a general way by the maps on the opposite page, in which the different counties are graphically classified with reference to the percentage which the 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 was available in 1910 and the acreage included in projects completed or under way in 1910. Comparative data for the census of 1900 are included as far as possible.

	CENSUS OF—		INCREASE. ¹	
	1910	1900	Amount.	Per cent.
Number of all farms.....	² 88, 197	³ 72, 542	15, 655	21. 6
Approximate land area of the state..... acres..	99, 617, 280	99, 617, 280	.....	.....
Land in farms..... acres..	² 27, 931, 444	³ 28, 828, 951	-897, 507	-3. 1
Improved land in farms..... acres..	² 11, 389, 894	³ 11, 958, 837	-568, 943	-4. 8
Number of farms irrigated.....	⁴ 39, 352	⁵ 25, 675	13, 677	53. 3
Acreage irrigated.....	⁴ 2, 664, 104	⁵ 1, 446, 114	1, 217, 990	84. 2
Acreage enterprises were capable of irrigating.....	⁶ 3, 619, 378	(?)	.....	.....
Acreage included in projects.....	⁶ 5, 490, 360	(?)	.....	.....
Percentage irrigated of—				
Number of all farms.....	44. 6	35. 4	9. 2	.....
Approximate land area of the state.....	2. 7	1. 5	1. 2	.....
Land in farms.....	9. 5	5. 0	4. 5	.....
Improved land in farms.....	23. 4	12. 1	11. 3	.....
Excess of acreage enterprises were capable of irrigating in 1910 over acreage irrigated in 1909.....	955, 274	.....	.....	.....
Excess of acreage included in projects over acreage irrigated in 1909.....	2, 826, 256	.....	.....	.....

¹ A minus sign (-) denotes decrease. ² April 15. ³ June 1. ⁴ In 1909. ⁵ In 1899. ⁶ July 1. ⁷ 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 somewhat more than two-fifths (44.6 per cent) of the farms in the state in 1909. In 1899 the proportion of irrigated farms was 35.4 per cent and in 1889 it was only 26 per cent. Thus in both decades the number of irrigated farms increased at a higher rate than the number of unirrigated farms.

In 24 of the 58 counties in the state more than half the farms are irrigated, in 2 the proportion is between 40 and 50 per cent, in 5 it is between 30 and 40

per cent, in 7 between 20 and 30 per cent, and in 8 between 10 and 20 per cent, while in 11 it is less than 10 per cent. No irrigation was reported from Del Norte County, in the extreme northwestern part of the state.

In general the counties in which the percentage of farms irrigated is highest are in the south central and southeastern parts of the state, where the climate is so dry as to make irrigation almost essential to the successful growing of crops. Along the coast in the northern part of the state and in the region surrounding San Francisco Bay irrigation is less generally practiced. Imperial County has the largest percentage of farms irrigated, 94.6, and Inyo the next largest, 93.2 per cent.

From 1899 to 1909 the increase in the number of farms irrigated was 9.2 per cent for the state as a whole. Of the 53 irrigated counties which did not change in

area during that period, 28 show increases, varying greatly in degree, and 15 decreases, while for 10 comparative figures are not available. Increases are reported for the combined territory of Fresno and Kings Counties and for the territory which constituted San Diego County in 1900 and Imperial and San Diego Counties in 1910.

Acreage irrigated.—The acreage irrigated is taken from the special schedules filled out by agents from information secured 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 under the true figure. There is, however, a natural tendency for the officials of irrigation 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 reported irrigated 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 California.

The total acreage reported as irrigated in 1909 was 2,664,104 acres, as against 1,446,114 acres in 1899 and 1,004,233 acres in 1889. The percentage of increase from 1889 to 1899 was 44, and that from 1899 to 1909, 84.2. The absolute increase during the latter decade was nearly three times as great as that during the former, amounting to 1,217,990 acres, as against 441,881 acres.

The percentage of increase between 1899 and 1909 in the acreage irrigated was considerably higher than that in the number of farms irrigated, the acreage irrigated per farm increasing from 56.3 in 1899 to 67.7 in 1909. As a decrease from 397.4 acres to 316.7 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 1900 was due to some extent to the inclusion as farm land in 1900 of some tracts of land used for grazing which were not reported as farm land in 1910.

The percentage which irrigated land formed of the total land area of the state increased from 1.5 in 1899 to 2.7 in 1909, and the percentage which such land formed of all land in farms increased from 5 in 1899 to 9.5 in 1909, while the ratio between the irrigated acre-

age and the total improved land in farms increased from 12.1 per cent to 23.4 per cent.

In both 1909 and 1899 the county for which the largest area of irrigated land was reported was Fresno, with an irrigated acreage of 402,318 and 283,737 at the respective censuses. In Tulare County 265,404 acres were irrigated in 1909, and in 5 counties besides the 2 named the area of irrigated lands exceeded 100,000 acres, while in 10 counties the irrigated area was between 50,000 and 100,000 acres.

The county in which irrigated land formed the highest percentage of the total land area in 1909 was Kings, where 25.7 per cent of the land was irrigated.

Acreage included in projects.—The foregoing table shows that in 1910 existing enterprises were ready to supply water to 3,619,378 acres, or 955,274 acres more than were irrigated in 1909. It is probable that, after allowance is made for an increase in the area irrigated in 1910 over that in 1909, there remained at the close of 1910 under ditch but not irrigated considerably more than half as much land as was brought under irrigation in the 10 years from 1899 to 1909. The acreage included in projects exceeds the acreage irrigated in 1909 by 2,826,256 acres, which is more than twice the acreage brought under irrigation in the last decade and somewhat greater than 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 projects now under way and without new undertakings. 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. There are no Carey Act enterprises in California.

CHARACTER OF ENTERPRISE.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
All classes.....	2,664,104	100.0
U. S. Reclamation Service.....	400	(¹)
U. S. Indian Service.....	3,490	0.1
Irrigation districts.....	173,793	6.5
Cooperative enterprises.....	779,020	29.2
Commercial enterprises.....	746,265	28.0
Individual and partnership enterprises.....	961,136	36.1

¹ Less than one-tenth of 1 per cent.

Irrigation districts, cooperative enterprises, and individual and partnership enterprises, which together supplied about 72 per cent of the acreage irrigated in 1909, are all controlled by the water users. Commercial enterprises, the only other class in the state that irrigated any extensive acreage in 1909, supplied 28 per cent of the total irrigated area.

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.

As in other states, streams are the principal source of supply of water for irrigating, but in California wells supply much more land than in any other state. Much land receives water from both sources, but most of this is credited to streams.

SOURCE OF WATER SUPPLY.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
All sources.....	2,684,104	100.0
Streams.....	2,246,722	84.3
Lakes.....	18,470	0.7
Wells.....	350,723	13.2
Springs.....	31,779	1.2
Reservoirs.....	16,410	0.6

IRRIGATION WORKS.

The table following summarizes the data collected relating to works for supplying water for irrigation in 1910. As none of the items reported in 1910 were reported in 1900 for all irrigation works in the state, there is no opportunity for comparisons between the two censuses.

Independent enterprises.....	number..	13,970
Ditches, total length.....	miles..	21,129
Main ditches.....	number..	8,590
Length.....	miles..	12,020
Capacity.....	cu. ft. per second..	89,507
Lateral ditches.....	number..	6,143
Length.....	miles..	8,509
Reservoirs.....	number..	1,583
Capacity.....	acre-feet..	743,209
Flowing wells.....	number..	2,361
Capacity.....	gals. per minute..	477,343
Pumped wells.....	number..	10,724
Capacity.....	gals. per minute..	4,119,576
Pumping plants.....	number..	9,207
Engine capacity.....	horsepower..	128,143
Pump capacity.....	gals. per minute..	5,276,298

Assuming that the enterprises in operation in 1909 were identical with those reported in 1910, the average acreage irrigated per enterprise in 1909 was 190.7, and the acreage irrigated per mile of main ditch was 211.1.

This table and the preceding one relating to source of supply show the extent to which underground water is utilized for irrigation in California. The flowing wells, of which there were 2,361, with a total capacity of 477,343 gallons per minute, irrigated

74,128 acres in 1909. The great majority of these wells are in southern California and the San Joaquin Valley, 93.7 per cent of the total number reported and 96.9 per cent of the land thus irrigated being in Kern, Kings, Los Angeles, Orange, Riverside, San Bernardino, Santa Clara, and Tulare Counties. Of the 10,724 pumped wells reported, 5,248 were in the counties named and 4,503 in Fresno, Merced, Monterey, Sacramento, San Benito, San Diego, San Joaquin, and Ventura Counties. The pumped wells in these two groups of counties irrigated 258,687 of the 276,595 acres irrigated by such wells in the entire state.

Pumping from lakes and streams has also been practiced extensively in many sections of the state, 32,539 acres having been irrigated in this way in 1909. Water pumped from all sources, including lakes, streams, and wells, supplied an area of 309,134 acres. It should be noted that this figure represents only the acreage which received water wholly or mainly from pumps, and hence does not take into account large areas where in addition to a flow from gravity ditches a supplemental supply from pumped wells is received in times of temporary scarcity or drought. The pumping plants and wells so used are included in the totals given in the table, but the acreage thus irrigated is credited to the source of supply upon which the greater dependence is placed.

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. Similar data from the census of 1900, so far as available, are included for comparison.

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 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.....	¹ \$72,580,030	² \$19,181,610	\$53,398,420	278.4
Average per acre.....	³ \$20.05	⁴ \$13.27	(⁵)	.....
Estimated final cost of existing enterprises.....	\$84,392,344	(⁶)	.....	.....
Average per acre included in projects.....	\$15.37	(⁶)	.....	.....
Operation and maintenance:				
Acreage for which cost is reported.....	1,368,247	(⁶)	.....	.....
Total cost reported.....	⁷ \$2,109,431	(⁶)	.....	.....
Average cost per acre.....	\$1.54	(⁶)	.....	.....

¹ Reported July 1.
² Cost of construction of systems operated in 1899, exclusive of those on Indian reservations.
³ Based on acreage enterprises were capable of irrigating in 1910.
⁴ Based on acreage irrigated in 1899, exclusive of 242 acres on Indian reservations.
⁵ Figures not comparable. (See explanation in text.)
⁶ Not reported.
⁷ For 1909.

The cost of irrigation systems shows the largest increase of any item included in the census of irrigation, 278.4 per cent. In the average cost per acre there was also a considerable increase. The average cost per acre shown for 1910 is based on the acreage to which enterprises were capable of supplying water in that year, but since the corresponding acreage for 1900 was not reported, the figure for average cost at the earlier census is based on the acreage irrigated in 1899, and consequently is not comparable with the figure for the last census. If computed on the basis of the acreage irrigated in 1909, the average cost per acre in 1910 would be \$27.24, representing an increase of 105.3 per cent over the figure for the average cost at the census of 1900. The largely increased cost of irrigation enterprises is due in a considerable measure to the expensive equipment installed to secure a water supply and protect it from loss by seepage and evaporation, in sections where water is scarce and crop values are high. Furthermore, a number of large enterprises are under construction upon which considerable expenditures have been made, but which are

irrigating little land as yet, making the average cost reported higher than the true average. The average based on the estimated final cost and the acreage included in projects, \$15.37 per acre, probably more truly represents the average cost per acre of irrigation in California.

The county showing the lowest average cost per acre enterprises were capable of irrigating in 1910, \$1.29, is Mono, where much of the irrigated land consists of flooded pastures. The highest average cost per acre, \$368.40, is in Nevada County, where the unusual cost is due to the fact that many of the ditches now used for irrigation were originally constructed at heavy expense for mining purposes.

The acreage for which cost of operation and maintenance in 1909 was reported forms 51.4 per cent of the total acreage reported as irrigated in 1909, and 80.3 per cent of the acreage reported as irrigated by other than individual and partnership enterprises. The cost reported can be said, therefore, to represent 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 dif-

ferent irrigated crops, and is sufficiently complete to afford reliable averages of yields and for comparison with totals for the state.

The following table 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:

CROP.	ACREAGE.			Unit.	YIELD.		VALUE.	
	Total for state.	Irrigated.			Total for state.	On irrigated land.	Total for state.	For irrigated land.
		Amount.	Per cent of total.					
Cereals:								
Corn.....	51,935	17,802	34.3	Bushels.....	1,273,901	491,978	\$1,077,411	\$440,312
Oats.....	192,158	5,903	3.1	Bushels.....	4,143,688	205,727	2,637,047	137,160
Wheat.....	478,217	22,603	4.7	Bushels.....	6,203,206	408,706	6,323,983	428,663
Barley.....	1,195,158	77,785	6.5	Bushels.....	26,441,954	1,844,971	17,184,608	1,067,541
Rye.....	7,027	107	1.5	Bushels.....	70,683	1,265	65,846	1,133
Other grains and seeds:								
Alfalfa seed.....	8,761	2,570	29.3	Bushels.....	23,791	5,911	200,823	53,829
Dry edible beans.....	157,987	11,384	7.2	Bushels.....	3,328,218	244,624	6,295,457	378,770
Dry peas.....	2,959	290	9.8	Bushels.....	57,468	9,902	101,016	15,331
Hay and forage:								
Timothy alone.....	13,725	8,026	58.5	Tons.....	20,001	11,236	185,579	90,083
Timothy and clover mixed.....	46,661	20,880	44.7	Tons.....	73,183	34,177	629,575	315,993
Clover alone.....	8,519	1,176	13.8	Tons.....	20,380	2,689	213,289	40,429
Alfalfa.....	484,134	366,692	75.7	Tons.....	1,639,707	1,280,105	13,088,530	9,983,370
Other tame or cultivated grasses ¹	92,556	6,504	7.0	Tons.....	122,103	10,656	1,280,911	112,097
Wild, salt, or prairie grasses.....	253,127	153,672	60.7	Tons.....	281,033	189,964	2,028,494	1,194,716
Grains cut green.....	1,604,745	161,187	6.3	Tons.....	2,019,526	146,013	24,056,727	1,532,681
Coarse forage.....	25,868	7,593	29.4	Tons.....	60,611	19,151	438,065	152,542
Sundry crops:								
Potatoes.....	67,688	32,735	48.4	Bushels.....	9,824,005	5,180,006	4,879,449	2,440,931
Sugar beets.....	78,957	14,657	18.6	Tons.....	845,191	171,494	4,320,532	830,561
Orchard fruits.....	(²)	78,491					18,358,897	6,397,134
Small fruits.....	9,687	6,876	71.0				1,789,214	1,685,804
Tropical fruits.....	(²)	98,969					16,751,034	16,269,911
Nuts.....	(²)	22,429					2,959,845	1,637,741
Grapes.....	(²)	74,984					10,846,812	3,038,435

¹ Includes millet or Hungarian grass.

² Agriculture returns show number of trees and vines, and not acreage.

Although considerable quantities of other crops are grown both on irrigated and unirrigated 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 usually given, but since the growing of alfalfa seed is coming to be an important industry in the irrigated sections of the country, statistics for this crop are given in the preceding table.

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

The cereals are very generally grown without irrigation, only 6.5 per cent of the total acreage of the cereal crops given in the table being irrigated. The highest percentage of acreage irrigated shown for any cereal, 34.3, is reported for corn, and the next highest, 6.5, for barley. The proportions for wheat and oats are, respectively, 4.7 and 3.1 per cent.

The hay and forage crops are more generally irrigated than the cereals, the irrigated acreage forming 26.3 per cent of the total reported for these crops. In the case of three of the eight hay and forage crops included in the table more than half of the total acreage is irrigated. For alfalfa the proportion is 75.7 per cent, for "wild, salt, or prairie grasses" 60.7 per cent, and for "timothy alone" 58.5 per cent.

Of the entire acreage in potatoes 48.4 per cent was irrigated in 1909 and of that in small fruits 71 per cent. Sugar beets are grown for the most part without irrigation in California, only 18.6 per cent of the total acreage of the crop being irrigated. The relative importance of the irrigated acreage in orchard and tropical fruits can not be determined, because the total acreage devoted to such fruits was not reported. It will be observed, however, that more than one-third of the value of all orchard fruits produced in the state and more than nine-tenths of the value of all tropical fruits produced represent the value of products grown on irrigated land. The value of the nuts grown on irrigated land forms 55.3 per cent of that of the total crop and the value of grapes from irrigated land 28 per cent of that of all grapes grown.

Of the crops shown in the table, alfalfa has the largest irrigated acreage, such acreage representing 32.5 per cent of the total irrigated area of the crops given. "Wild, salt, or prairie grasses" are next, with 13.6 per cent of this total, followed by grains cut green, with 9 per cent; tropical fruits, with 8.8 per cent; barley, with 6.9 per cent; grapes, with 6.6 per cent, and orchard fruits, with 6.5 per cent. No other single crop occupies as much as 3 per cent of the total acreage of the irrigated crops presented in the table. It will be observed, however, that, in point of value, the alfalfa crop is exceeded by that of tropical fruits, which contributed 32.4 per cent of the total value of irrigated crops, as against 21.2 per cent for alfalfa.

While many 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 each contains of the total irrigated acreages of these crops in the state.

Corn.—Kern County, 29.4 per cent; Los Angeles, 13.4 per cent; Inyo, 10.5 per cent; Tulare, 7.9 per cent.

Oats.—Plumas County, 29 per cent; Lassen, 11.3 per cent; Siskiyou, 10.9 per cent; Inyo, 8.7 per cent.

Wheat.—Kern County, 20 per cent; Tulare, 17.9 per cent; Kings, 15.1 per cent; Lassen, 12.5 per cent.

Barley.—Imperial County, 43.9 per cent; Kings, 15.4 per cent; Kern, 8.2 per cent; Merced, 7.6 per cent.

Alfalfa seed.—Kings County, 47.7 per cent; Fresno, 17.6 per cent; Lassen, 10.8 per cent; Kern, 9.4 per cent.

Dry edible beans.—San Joaquin County, 64.2 per cent; Orange, 13.1 per cent; Ventura, 6.4 per cent; Contra Costa, 5.2 per cent.

Timothy alone.—Shasta County, 30.7 per cent; Plumas, 19.5 per cent; Modoc, 14.1 per cent; Siskiyou, 11.5 per cent.

Timothy and clover mixed.—Siskiyou County, 30.1 per cent; Lassen, 16.7 per cent; Plumas, 15.3 per cent; Shasta, 8.2 per cent.

Clover alone.—Nevada County, 18.3 per cent; Shasta, 16.1 per cent; Eldorado, 15.1 per cent; Yuba, 11.7 per cent.

Alfalfa.—Fresno County, 11.7 per cent; Stanislaus, 10.8 per cent; Merced, 10.3 per cent; Kings, 8.5 per cent.

"Other tame or cultivated grasses."—Siskiyou County, 26.4 per cent; Sierra, 20.5 per cent; Modoc, 10.3 per cent; Nevada, 8.9 per cent.

"Wild, salt, or prairie grasses."—Modoc County, 33 per cent; Lassen, 24 per cent; Plumas, 12.1 per cent; Sierra, 8 per cent.

Grains cut green.—Fresno County, 22.3 per cent; Imperial, 20.5 per cent; Kern, 11.9 per cent; Kings, 10.2 per cent.

Coarse forage.—Tulare County, 33.8 per cent; Fresno, 15.8 per cent; Imperial, 12.3 per cent; Los Angeles, 10.6 per cent.

Potatoes.—San Joaquin County, 48 per cent; Contra Costa, 20 per cent; Los Angeles, 9.3 per cent; Orange, 4.5 per cent.

Sugar beets.—Monterey County, 34.3 per cent; Los Angeles, 30.6 per cent; Santa Barbara, 13.5 per cent; Orange, 8.7 per cent.

Orchard fruits.—Fresno County, 31.9 per cent; Placer, 14.8 per cent; Tulare, 8.4 per cent; Santa Clara, 6.5 per cent.

Small fruits.—Los Angeles County, 30.4 per cent; Santa Clara, 13.9 per cent; Sacramento, 10.9 per cent; Santa Cruz, 7.2 per cent.

Tropical fruits.—San Bernardino County, 25.6 per cent; Los Angeles, 24.8 per cent; Riverside, 14.2 per cent; Tulare, 11.6 per cent.

Nuts.—Orange County, 46 per cent; Los Angeles, 34.7 per cent; Ventura, 12.1 per cent.

Grapes.—Fresno County, 62.6 per cent; Tulare, 12.2 per cent; Kings, 6.2 per cent; Sacramento, 5.7 per cent.

Of the total irrigated acreage of fruit trees and vines not bearing in 1909, amounting to 59,031, 36.1 per cent was in Fresno County, 14 per cent in Tulare County, 8 per cent in Orange County, and 7.2 per cent in Los Angeles County.

Yield.—In the table following 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.

For all the crops given in the table, except alfalfa seed, "timothy alone," and "clover alone," there were greater average yields in 1909 on irrigated than on unirrigated land. The relative excess is greatest in the case of oats, 65.4 per cent, and next greatest in the case of wheat, 42.5 per cent.

For the cereals there was in every case an excess in the average yield under irrigation over that without irrigation, this excess ranging from 7.7 to 65.4 per cent. In the case of six of the hay and forage crops the average yield on irrigated land was greater than that on unirrigated land, the differences varying from 8.6 to 34.8 per cent, but for two a greater average yield on unirrigated land was reported. Comparisons can not be made for fruits, for the reason that the agricultural

returns do not give the total acreage devoted to these crops.

CROP.	AVERAGE YIELD PER ACRE.		
	On unirrigated land.	On irrigated land.	
		Amount.	Per cent of excess over yield on unirrigated land. ¹
Corn.....bushels..	22.0	27.6	20.5
Oats.....bushels..	21.1	34.9	65.4
Wheat.....bushels..	12.7	18.1	42.5
Barley.....bushels..	22.0	23.7	7.7
Alfalfa seed.....bushels..	2.9	2.3	-20.7
Dry edible beans.....bushels..	21.0	21.5	2.4
Timothy alone.....tons..	1.54	1.40	-9.1
Timothy and clover mixed.....tons..	1.51	1.64	8.6
Clover alone.....tons..	2.41	2.29	-5.0
Alfalfa.....tons..	3.06	3.49	14.1
Other tame or cultivated grasses.....tons..	1.30	1.64	26.2
Wild, salt, or prairie grasses.....tons..	0.92	1.24	34.8
Grains cut green.....tons..	1.25	1.44	15.2
Coarse forage.....tons..	2.27	2.52	11.0
Potatoes.....bushels..	132.9	153.2	19.0
Sugar beets.....tons..	10.48	11.70	11.0

¹ A minus sign (-) indicates that the yield on irrigated land is less than that on unirrigated land.

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 to advantage 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.

Certain irrigation enterprises extend into more than one county, and in the case of some of these enterprises 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.

The number of farms irrigated in 1909 includes 350 farms in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz, Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 64 farms on Indian reservations.

The acreage irrigated in 1909 includes 3,834 acres in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz,

Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 242 acres on Indian reservations.

The figures for number and length of main ditches for 1899 relate only to main ditches, outside of Indian reservations, receiving water by gravity from streams, lakes, and springs in 1899 and used chiefly or solely for irrigation purposes.

Figures for cost in 1899 are exclusive of Indian reservations.

Change of boundaries.—In comparing the data secured for 1910 with those from the census of 1900, the following changes in county boundaries should be considered: (1) The organization of Imperial County from a part of San Diego County in 1907; and (2) the annexation of a part of Fresno County to Kings County in 1909.

Land in farms in Sutter County.—In accordance with instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage in adjoining counties has been tabulated as in Sutter County.

STATISTICS OF IRRIGATION.

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.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Eldorado.	
1	Number of all farms in 1910.....	1 88,197	2,422	42	537	1,500	632	667	1,465	716
2	Number of farms irrigated in 1909.....	39,352	50	32	73	556	154	112	78	244
3	Per cent of all farms.....	44.6	2.1	75.2	13.6	37.1	24.4	16.8	5.3	34.1
4	Number of farms irrigated in 1899.....	<i>25,675</i>	<i>101</i>	<i>55</i>	<i>137</i>	<i>455</i>	<i>145</i>	<i>62</i>	<i>(*)</i>	<i>295</i>
5	Per cent of increase, 1899-1909.....	53.3	450.5	43.0	46.7	22.2	7.7	80.6		17.3
LAND AND FARM AREA										
6	Approximate land area..... acres.	1 99,617,280	468,480	496,640	384,640	1,102,080	657,280	729,600	456,960	1,121,920
7	Land in farms..... acres.	1 27,931,444	311,327	32,004	291,730	490,777	271,401	522,376	406,433	210,881
8	Improved land in farms..... acres.	1 11,389,894	177,814	7,879	46,969	247,097	59,104	336,509	262,152	41,682
9	Acreage irrigated in 1909.....	2,066,104	1,859	3,349	826	28,754	1,275	4,276	25,856	5,122
10	Per cent of total land area.....	2.7	0.4	0.7	0.2	2.6	0.2	0.6	5.9	0.5
11	Per cent of land in farms.....	9.5	0.6	10.5	0.3	5.9	0.5	0.8	6.6	2.4
12	Per cent of improved land in farms.....	23.4	1.0	44.2	1.8	11.0	2.2	1.3	10.2	12.3
13	Acreage irrigated in 1899.....	<i>2 1,446,114</i>	<i>2,532</i>	<i>4,391</i>	<i>1,167</i>	<i>7,332</i>	<i>1,476</i>	<i>5,095</i>	<i>(*)</i>	<i>5,387</i>
14	Per cent of increase, 1899-1909.....	84.2	426.6	423.7	429.2	202.2	413.6	42.8		51.2
15	Acreage enterprises were capable of irrigating in 1910.....	3,619,378	1,872	3,399	3,973	115,075	3,161	16,541	32,562	5,501
16	Acreage included in projects.....	5,490,360	2,605	3,435	4,139	233,500	3,919	18,783	32,640	20,204
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
CLASSIFIED BY CHARACTER OF ENTERPRISE.										
17	U. S. Reclamation Service, irrigated in 1909.....	400								
18	Enterprises were capable of irrigating in 1910.....	1,200								
19	Included in projects.....	14,200								
20	U. S. Indian Service, irrigated in 1909.....	3,490								
21	Enterprises were capable of irrigating in 1910.....	3,490								
22	Included in projects.....	3,800								
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.....	173,783								
27	Enterprises were capable of irrigating in 1910.....	204,103								
28	Included in projects.....	606,351								
29	Cooperative enterprises, irrigated in 1909.....	779,020					875			200
30	Enterprises were capable of irrigating in 1910.....	684,570					2,500			480
31	Included in projects.....	1,388,436					3,450			480
32	Commercial enterprises, irrigated in 1909.....	746,265			360	24,930	180			3,661
33	Enterprises were capable of irrigating in 1910.....	1,204,050			3,500	110,200	1,300	1,000		3,661
34	Included in projects.....	1,965,063			3,500	221,450	1,700	2,000		17,801
35	Individual and partnership enterprises, irrigated in 1909.....	961,136	1,859	3,349	466	3,824	1,095	2,401	20,866	1,261
36	Enterprises were capable of irrigating in 1910.....	1,131,951	1,872	3,399	473	4,875	1,861	13,041	32,562	1,360
37	Included in projects.....	1,512,511	2,605	3,435	639	12,060	2,219	13,333	32,640	1,983
ACREAGE IRRIGATED										
CLASSIFIED BY SOURCE OF WATER SUPPLY.										
38	Supplied from streams.....	2,246,722	651	3,104	781	27,803	906	4,253	26,504	3,557
39	By gravity.....	2,216,757	546	3,194	779	27,771	893	3,318	20,818	3,557
40	By pumping.....	29,965	105		2	32	13	940	5,686	
41	Supplied from lakes.....	18,470		115						1,500
42	By gravity.....	15,898		115						1,500
43	By pumping.....	2,574								
44	Supplied from wells.....	350,723	1,125			646	52	11	267	
45	Flowing.....	74,128					4		30	
46	By pumping.....	276,595	1,125			646	48	11	237	
47	Supplied from springs.....	31,779		40	45	305	247	7	85	65
48	Supplied from reservoirs.....	16,410	83				70			
49	Total acreage supplied by pumping.....	309,134	1,230		2	678	61	951	5,923	
IRRIGATION ENTERPRISES										
50	Independent enterprises..... number.....	13,970	53	21	49	144	150	45	185	50
51	Number in 1899.....									
52	Per cent of increase, 1899-1910.....									
53	Main ditches..... number.....	3,590	49	25	55	135	148	38	176	56
54	Number in 1899.....	<i>1,913</i>								
55	Per cent of increase, 1899-1910.....									
56	Length..... miles.....	12,620	21	34	185	270	124	44	172	285
57	Length in 1899.....	<i>6,109</i>								
58	Per cent of increase, 1899-1910.....									
59	Capacity..... cubic feet per second.....	89,597	605	179	255	2,023	206	531	60	445
60	Laterals..... number.....	6,143		3	12	145	32	10		25
61	Length..... miles.....	3,509		1	58	170	31	7		55
62	Reservoirs..... number.....	1,583	52		14	27	29		1	22
63	Capacity..... acre-feet.....	743,269	3		309	360	12,029		1	711
64	Flowing wells..... number.....	2,361					6		1	
65	Capacity..... gallons per minute.....	477,343					40		143	
66	Pumped wells..... number.....	10,724	56			46	7	3		26
67	Capacity..... gallons per minute.....	4,119,575	3,740			20,686	844	977	1,339	
68	Pumping plants..... number.....	9,297	57		1	46	9	12		30
69	Engine capacity..... horsepower.....	128,143	384		5	555	44	516	751	
70	Pump capacity..... gallons per minute.....	5,276,298	5,019		100	32,391	1,094	51,365	138,947	
COST										
71	Cost of enterprises up to July 1, 1910..... dollars.....	72,580,030	57,156	7,493	265,608	1,231,894	121,033	76,112	90,503	346,939
72	Cost in 1899.....	<i>19,181,610</i>								
73	Per cent of increase, 1899-1910.....	278.4								
74	Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....	20.05	30.63	2.20	66.85	10.71	38.29	4.60	2.73	63.07
75	Average cost per acre irrigated in 1899.....	<i>18.27</i>								
76	Estimated final cost of existing enterprises..... dollars.....	84,392,344	57,156	7,493	265,608	1,381,894	121,033	76,112	90,503	346,939
77	Average per acre included in projects..... dollars.....	15.37	21.94	2.18	64.17	5.92	30.33	4.05	2.77	17.12
OPERATION AND MAINTENANCE										
78	Acreage for which cost is reported.....	1,368,247			360	24,380	140	800		3,590
79	Total cost reported..... dollars.....	2,100,431			8,505	28,546	918	4,055		16,325
80	Average per acre for which cost is reported..... dollars.....	1.54			23.63	1.17	6.56	5.07		4.55
81	Average cost per acre in 1899.....									
82	Per cent of increase, 1899-1909.....									

1 Includes figures for Del Norte County, from which no irrigation is reported at the census of 1910.
 2 Includes figures shown under "all other counties" in Twelfth Census report, and for Indian reservations. (See explanation at close of text.)

3 Included in "all other counties" in Twelfth Census report.
 4 Decrease.
 5 Not reported.
 6 Not reported by counties. (See explanation at close of text.)

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

	Fresno. ¹	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings. ¹	Lake.	Lassen.
1	6,245	663	1,534	1,322	438	1,167	1,837	603	502
2	5,310	196	33	1,250	408	876	1,126	43	355
3	85.0	29.6	2.2	94.6	93.2	75.1	61.3	7.1	70.7
4	<i>2,450</i>	<i>67</i>	<i>(?)</i>	<i>(1)</i>	<i>362</i>	<i>653</i>	<i>780</i>	<i>45</i>	<i>315</i>
5	192.5				12.7	34.2		4.4	13.4
LAND AND FARM AREA									
6	3,808,000	805,760	2,325,760	2,616,960	6,412,160	5,121,920	741,760	817,920	2,899,840
7	1,106,616	491,198	642,536	223,602	110,142	1,403,350	373,823	217,464	295,728
8	590,205	309,765	109,248	176,069	88,698	315,387	196,569	42,768	122,057
9	402,318	5,661	208	190,711	65,163	190,034	190,949	582	77,079
10	10.6	0.7	(4)	7.3	1.0	3.7	25.7	0.1	2.7
11	36.4	1.2	(4)	85.3	59.2	13.5	51.1	0.3	26.1
12	68.2	1.8	0.2	108.3	168.4	60.3	97.1	1.4	63.2
13	<i>283,757</i>	<i>1,322</i>	<i>(?)</i>	<i>(1)</i>	<i>41,026</i>	<i>112,533</i>	<i>32,794</i>	<i>533</i>	<i>40,634</i>
14	309.6				58.8	68.9		11.3	55.3
15	560,326	16,804	333	242,000	71,815	217,418	289,523	828	89,815
16	633,652	220,664	966	375,000	92,319	402,800	310,523	1,268	149,530
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS									
CLASSIFIED BY CHARACTER OF ENTERPRISE.									
17		400							
18		1,200							
19		14,200							
20									
21									
22									
23									
24									
25									
26	9,329						925		
27	21,335						2,785		
28	21,335						2,785		
29	52,017			190,711	25,400	6,720	136,480		2,740
30	71,492			242,000	27,200	9,020	170,480		5,060
31	88,498			375,000	37,700	13,800	177,020		7,200
32	304,528	2,500				111,580	34,032		6,200
33	417,379	9,000				129,200	93,781		15,000
34	452,809	198,000				275,068	98,781		52,000
35	36,444	2,761	208		39,763	71,734	19,512	582	68,139
36	50,120	6,004	333		44,615	79,138	22,477	828	69,735
37	71,010	8,464	966		54,619	113,938	36,937	1,268	90,330
ACREAGE IRRIGATED									
CLASSIFIED BY SOURCE OF WATER SUPPLY.									
38	380,109	5,463	179	190,711	62,402	183,112	178,187	359	62,342
39	378,472	4,282	179	190,711	62,402	183,112	178,187	301	62,322
40	1,637	1,181						58	20
41	480					4	320		720
42							320		
43	480					4			720
44	21,729	198	11		141	6,387	12,442	10	
45					141	2,097	11,400	2	
46	21,729	198	11			4,290	1,042	8	
47			18		1,620	531		213	4,002
48					1,000				10,015
49	23,846	1,379	11			4,294	1,042	66	740
IRRIGATION ENTERPRISES									
50	975	116	33	9	188	244	77	43	233
51									
52									
53	264	50	33	12	184	178	27	44	295
54									
55									
56	831	136	26	117	396	441	137	26	368
57									
58									
59	6,299	1,659	145	3,250	2,752	9,990	4,840	90	2,246
60	688	554	4	179	326	118	51	21	263
61	1,354	1,073	2	890	168	257	150	2	110
62	8	12	5		1	51	37	3	29
63	402	45,009	7		11,300	1,001	111	2	169,552
64	3				10	25	75	1	
65	450				500	12,283	19,436	75	
66	855	105	2		1	140	20	3	
67	443,024	26,484	105		100	90,618	8,700	272	
68	888	77	1		1	114	18	11	2
69	8,990	896	3		5	2,846	174	49	90
70	515,380	62,449	105		100	90,668	12,759	4,577	6,100
COST									
71	1,898,460	1,519,561	29,027	4,955,272	962,698	1,788,635	687,381	12,124	884,965
72									
73									
74	3.39	90.43	87.17	20.48	13.41	8.23	2.37	14.64	0.85
75	1,898,460	3,716,976	29,027	5,884,182	962,698	1,788,635	687,381	12,124	1,034,965
76	3.00	16.84	30.05	15.69	10.43	4.44	2.21	9.56	0.62
77									
OPERATION AND MAINTENANCE									
78	352,599			190,711	25,400	4,080	156,100		6,920
79	56,172			393,724	9,946	5,532	40,800		15,450
80	0.16			2.06	0.39	1.36	0.26		2.67
81									
82									

¹ Change of boundary. (See explanation at close of text.) ² Included in "all other counties" in Twelfth Census report. ³ Decrease. ⁴ Less than one-tenth of 1 per cent.

STATISTICS OF IRRIGATION.

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

[Comparative data for 1899 in italics.]

	Los Angeles.	Madera.	Marin.	Mari- posa.	Mendo- cino.	Merced.	Modoc.	Mono.	Monterey.	Napa.
1	7,919	573	498	330	1,356	1,856	736	91	1,058	1,537
2	4,069	158	6	58	39	1,417	437	76	258	36
3	59.0	27.6	1.2	17.0	2.9	76.3	59.4	83.5	15.6	2.3
4	<i>4,069</i>	<i>120</i>	(?)	<i>68</i>	(?)	<i>520</i>	<i>467</i>	<i>97</i>	<i>88</i>	(?)
5	14.8	31.7	.....	^a 15.2	.....	172.5	^a 0.4	^a 21.6	193.2	.....
LAND AND FARM AREA										
6	2,602,380	1,351,680	338,560	936,320	2,209,020	1,276,800	2,440,720	1,939,200	2,131,200	501,120
7	757,985	620,663	263,442	206,059	721,325	1,162,167	410,134	115,672	1,147,416	360,580
8	418,998	391,086	93,115	37,017	82,578	607,742	164,784	43,382	371,509	101,114
9	145,536	38,705	67	376	371	151,998	82,075	49,027	15,056	1,191
10	5.6	2.9	(^b)	(^b)	(^b)	11.9	3.4	2.5	0.7	0.2
11	19.2	6.2	(^b)	0.2	0.1	13.1	20.0	42.4	1.3	0.3
12	34.7	9.9	0.1	1.0	0.4	25.0	49.8	^c 113.0	4.1	1.2
13	<i>35,644</i>	<i>23,152</i>	(?)	<i>674</i>	(?)	<i>111,330</i>	<i>78,016</i>	<i>60,202</i>	<i>6,675</i>	(?)
14	70.0	67.2	.....	^a 34.5	.....	36.5	5.2	^a 17.2	125.6	.....
15	183,506	51,230	71	546	590	248,670	89,476	50,007	27,176	2,035
16	241,794	82,321	71	767	1,365	281,719	124,166	84,973	20,914	2,443
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
CLASSIFIED BY CHARACTER OF ENTERPRISE.										
17	U. S. Reclamation Service, irrigated in 1909.....									
18	Enterprises were capable of irrigating in 1910.....									
19	Included in projects.....									
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.....									
30	Enterprises were capable of irrigating in 1910.....									
31	Included in projects.....									
32	Commercial enterprises, irrigated in 1909.....									
33	Enterprises were capable of irrigating in 1910.....									
34	Included in projects.....									
35	Individual and partnership enterprises, irrigated in 1909.....									
36	Enterprises were capable of irrigating in 1910.....									
37	Included in projects.....									
ACREAGE IRRIGATED										
CLASSIFIED BY SOURCE OF WATER SUPPLY.										
38	Supplied from streams.....									
39	By gravity.....									
40	By pumping.....									
41	Supplied from lakes.....									
42	By gravity.....									
43	By pumping.....									
44	Supplied from wells.....									
45	Flowing.....									
46	By pumping.....									
47	Supplied from springs.....									
48	Supplied from reservoirs.....									
49	Total acreage supplied by pumping.....									
IRRIGATION ENTERPRISES										
50	Independent enterprises..... number.....									
51	Number in 1899 ^e									
52	Per cent of increase, 1899-1910.....									
53	Main ditches..... number.....									
54	Number in 1899 ^f									
55	Per cent of increase, 1899-1910.....									
56	Length..... miles.....									
57	Length in 1899 ^f miles.....									
58	Per cent of increase, 1899-1910.....									
59	Capacity..... cubic feet per second.....									
60	Laterals..... number.....									
61	Length..... miles.....									
62	Reservoirs..... number.....									
63	Capacity..... acre-feet.....									
64	Flowing wells..... number.....									
65	Capacity..... gallons per minute.....									
66	Pumped wells..... number.....									
67	Capacity..... gallons per minute.....									
68	Pumping plants..... number.....									
69	Engine capacity..... horsepower.....									
70	Pump capacity..... gallons per minute.....									
COST										
71	Cost of enterprises up to July 1, 1910..... dollars.....									
72	Cost in 1899 ^g dollars.....									
73	Per cent of increase, 1899-1910.....									
74	Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....									
75	Average cost per acre irrigated in 1899 ^g dollars.....									
76	Estimated final cost of existing enterprises..... dollars.....									
77	Average per acre included in projects..... dollars.....									
OPERATION AND MAINTENANCE										
78	Acreage for which cost is reported.....									
79	Total cost reported..... dollars.....									
80	Average per acre for which cost is reported..... dollars.....									
81	Average cost per acre in 1899 ^g dollars.....									
82	Per cent of increase, 1899-1909.....									

^b Acreage irrigated includes wild grass land, while improved acreage does not.

^c Not reported.

^f Not reported by counties.

ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

	Nevada	Orange.	Placer.	Plumas.	River-side.	Sacra-mento.	San Benito.	San Ber-nardino.	San Diego. ¹	San Fran-cisco.
1 Number of all farms in 1910.....	544	3,165	1,092	221	2,688	1,601	921	2,949	2,298	157
2 Number of farms irrigated in 1909.....	300	2,215	618	151	2,174	1,053	240	2,463	890	25
3 Per cent of all farms.....	55.1	70.0	58.2	68.8	80.9	65.8	26.1	83.5	38.7	15.9
4 <i>Number of farms irrigated in 1899.....</i>	<i>288</i>	<i>1,558</i>	<i>518</i>	<i>187</i>	<i>1,787</i>	<i>425</i>	<i>166</i>	<i>1,854</i>	<i>1,041</i>	<i>(?)</i>
5 Per cent of increase, 1899-1909.....	6.0	42.2	19.3	19.3	25.2	147.8	44.6	32.8		
LAND AND FARM AREA										
6 Approximate land area..... acres..	623,360	508,800	892,800	1,660,160	4,633,600	629,120	890,880	12,000,480	2,701,440	27,520
7 Land in farms..... acres.....	175,398	371,692	248,080	134,259	520,806	473,044	544,301	208,396	834,428	2,091
8 Improved land in farms..... acres..	24,542	189,463	98,008	54,281	278,151	275,682	186,573	136,625	234,045	1,562
9 Acreage irrigated in 1909.....	3,839	55,056	16,845	36,602	71,436	53,683	7,186	70,278	24,944	883
10 Per cent of total land area.....	0.6	10.8	1.9	2.2	1.5	8.5	0.8	0.5	0.9	1.4
11 Per cent of land in farms.....	2.2	14.8	6.8	27.3	13.7	11.3	1.3	33.7	3.0	13.3
12 Per cent of improved land in farms.....	15.6	29.1	17.1	67.4	25.7	19.5	3.9	51.4	10.7	24.5
13 <i>Acreage irrigated in 1899.....</i>	<i>4,003</i>	<i>41,549</i>	<i>10,308</i>	<i>28,485</i>	<i>32,947</i>	<i>12,409</i>	<i>2,870</i>	<i>37,877</i>	<i>16,082</i>	<i>(?)</i>
14 Per cent of increase, 1899-1909.....	4.1	32.5	63.4	28.8	116.8	332.6	160.4	85.5	55.7	
15 Acreage enterprises were capable of irrigating in 1910.....	4,269	63,486	23,365	37,529	103,233	69,070	13,790	88,107	31,205	883
16 Acreage included in projects.....	5,267	71,444	61,751	37,901	210,452	74,588	20,067	162,415	45,535	883
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
CLASSIFIED BY CHARACTER OF ENTERPRISE.										
17 United States Reclamation Service, irrigated in 1909.....										
18 Enterprises were capable of irrigating in 1910.....										
19 Included in projects.....										
20 United States Indian Service, irrigated in 1909.....						600			2,890	
21 Enterprises were capable of irrigating in 1910.....						600			2,890	
22 Included in projects.....						731			3,089	
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.....	85	30,528			44,404		765	40,200	2,640	
30 Enterprises were capable of irrigating in 1910.....	85	31,965			66,659		1,500	55,800	4,040	
31 Included in projects.....	85	35,425			154,011		1,500	62,764	5,680	
32 Commercial enterprises, irrigated in 1909.....	2,075		10,310		7,063	8,819	3,180	2,683	10,000	
33 Enterprises were capable of irrigating in 1910.....	2,109		22,667		11,813	22,162	8,000	2,883	11,000	
34 Included in projects.....	2,109		60,667		11,813	22,162	12,000	48,383	13,250	
35 Individual and partnership enterprises, irrigated in 1909.....	1,670	24,528	535	36,602	18,709	44,804	3,241	18,395	9,414	383
36 Enterprises were capable of irrigating in 1910.....	2,065	31,521	698	37,529	24,161	47,808	4,290	27,304	13,275	383
37 Included in projects.....	3,073	33,019	1,084	37,901	43,897	52,426	6,567	41,268	23,656	383
ACREAGE IRRIGATED										
CLASSIFIED BY SOURCE OF WATER SUPPLY.										
38 Supplied from streams.....	3,662	28,373	16,780	35,279	29,656	44,285	4,425	42,634	19,839	
39 By gravity.....	3,647	28,263	16,731	35,279	29,445	42,388	4,374	42,168	19,532	
40 By pumping.....	15	110	49		241	1,897	51	466	307	
41 Supplied from lakes.....					320		100			
42 By gravity.....					320		100			
43 By pumping.....										
44 Supplied from wells.....	5	26,683	17	20	40,643	9,398	2,659	26,544	5,030	383
45 Flowing.....		6,526		20	20,806		847	3,374		
46 By pumping.....	5	20,157	17		19,837	9,398	1,812	23,170	5,030	383
47 Supplied from springs.....	172		48	983	1,107		2	1,100	75	
48 Supplied from reservoirs.....										
49 Total acreage supplied by pumping.....	20	20,267	66		20,078	11,295	1,863	23,656	5,337	383
IRRIGATION ENTERPRISES										
50 Independent enterprises..... number..	103	619	35	127	610	889	109	521	384	39
51 <i>Number in 1899⁴.....</i>										
52 Per cent of increase, 1899-1910.....										
53 Main ditches..... number.....	110	309	35	147	301	213	64	201	288	24
54 <i>Number in 1899⁵.....</i>										
55 Per cent of increase, 1899-1910.....										
56 Length..... miles.....	236	180	194	201	500	238	61	466	259	7
57 <i>Length in 1899⁵.....</i>										
58 Per cent of increase, 1899-1910.....										
59 Capacity..... cubic feet per second.....	372	876	437	1,176	2,825	1,566	366	1,315	1,464	11
60 Laterals..... number.....	40	115	46	62	262	5	12	237	244	
61 Length..... miles.....	32	246	108	16	288	8	33	233	180	
62 Reservoirs..... number.....	24	19	29		131	2	6	83	68	27
63 Capacity..... acre-feet.....	26,438	189	53,354		58,440	352	5,302	96,969	26,845	2
64 Flowing wells..... number.....		688		3	553			79		
65 Capacity..... gallons per minute.....		92,689		504	90,331			21,825		
66 Pumped wells..... number.....	5	680	2		792	1,168	87	449	458	39
67 Capacity..... gallons per minute.....	48	260,947	289		289,472	200,303	25,822	209,747	110,807	4,444
68 Pumping plants..... number.....	4	433	5		405	1,192	54	402	363	39
69 Engine capacity..... horsepower.....	12	8,675	30		11,067	5,059	677	10,700	2,857	80
70 Pump capacity..... gallons per minute.....	848	286,003	1,284		340,788	335,666	29,452	233,136	112,256	4,444
COST										
71 Cost of enterprises up to July 1, 1910..... dollars..	1,569,028	1,948,246	2,798,740	107,118	5,648,469	1,452,471	177,924	9,416,960	3,753,127	21,975
72 <i>Cost in 1899⁵.....</i>										
73 Per cent of increase, 1899-1910.....										
74 Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....	368.40	30.69	119.78	2.85	54.72	20.76	12.90	109.36	120.27	57.38
75 <i>Average cost per acre irrigated in 1899⁶.....</i>										
76 Estimated final cost of existing enterprises..... dollars..	1,569,028	1,948,246	2,798,740	107,118	5,698,469	1,452,471	267,924	13,038,449	3,767,127	21,975
77 Average per acre included in projects..... dollars..	297.90	27.27	45.32	2.83	27.08	19.47	13.35	85.55	82.73	57.38
OPERATION AND MAINTENANCE										
78 Acreage for which cost is reported.....	804	29,239	16,310		51,419	7,229	3,665	33,973	12,640	
79 Total cost reported..... dollars.....	3,150	78,875	73,064		293,871	16,079	3,584	187,877	64,374	
80 Average per acre for which cost is reported..... dollars..	3.92	2.70	4.48		5.72	2.22	0.98	5.63	5.09	
81 <i>Average cost per acre in 1899⁴.....</i>										
82 Per cent of increase, 1899-1909.....										

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

² Included in "all other counties" in Twelfth Census report.

STATISTICS OF IRRIGATION.

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

[Comparative data for 1899 in italics.]

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
1	3,286	1,714	665	1,355	4,781	1,466	1,010	110	1,114	1,148
2	1,452	91	75	137	1,101	106	689	94	636	150
3	44.2	5.3	11.3	10.1	23.3	7.2	68.3	85.5	57.1	13.1
4	414	78	(*)	188	1,120	(*)	686	98	594	29
5	250.7	16.7		24.7	2.5		6.9	4.1	7.1	417.2
LAND AND FARM AREA										
6	926,720	2,133,760	286,060	1,753,600	849,920	278,400	2,460,120	590,720	4,003,840	526,080
7	783,048	1,583,660	160,655	1,120,475	734,819	157,308	389,218	84,220	455,576	474,866
8	611,762	326,928	100,800	215,552	237,170	66,375	96,217	30,794	186,147	310,452
9	59,811	1,687	3,648	12,012	37,637	1,201	33,004	17,504	60,301	3,610
10	6.5	0.1	1.3	0.7	4.4	0.4	1.3	3.0	1.5	0.7
11	7.8	0.1	2.3	1.1	5.1	0.8	3.5	20.8	13.2	0.8
12	9.8	0.5	3.6	5.6	15.9	1.8	34.3	56.8	32.4	1.2
13	18,466	1,187	(*)	3,218	10,097	(*)	16,159	13,603	49,108	2,805
14	223.9	48.4		273.3	8.1		104.2	28.7	22.8	28.7
15	77,083	2,416	3,653	13,872	50,939	1,313	36,564	17,505	65,866	7,100
16	173,503	2,539	3,983	13,003	60,140	2,232	72,653	18,249	70,161	8,192
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
CLASSIFIED BY CHARACTER OF ENTERPRISE.										
17	U. S. Reclamation Service, irrigated in 1909.									
18	Enterprises were capable of irrigating in 1910.....									
19	Included in projects.....									
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.									
30	Enterprises were capable of irrigating in 1910.....									
31	Included in projects.....									
32	Commercial enterprises, irrigated in 1909.									
33	Enterprises were capable of irrigating in 1910.....									
34	Included in projects.....									
35	Individual and partnership enterprises, irrigated in 1909.									
36	Enterprises were capable of irrigating in 1910.....									
37	Included in projects.....									
ACREAGE IRRIGATED										
CLASSIFIED BY SOURCE OF WATER SUPPLY.										
38	Supplied from streams.....									
39	By gravity.....									
40	By pumping.....									
41	Supplied from lakes.....									
42	By gravity.....									
43	By pumping.....									
44	Supplied from wells.....									
45	Flowing.....									
46	By pumping.....									
47	Supplied from springs.....									
48	Supplied from reservoirs.....									
49	Total acreage supplied by pumping.....									
IRRIGATION ENTERPRISES										
50	Independent enterprises..... number.....									
51	Number in 1899.....									
52	Per cent of increase, 1899-1910.....									
53	Main ditches..... number.....									
54	Number in 1899.....									
55	Per cent of increase, 1899-1910.....									
56	Length..... miles.....									
57	Length in 1899..... miles.....									
58	Per cent of increase, 1899-1910.....									
59	Capacity..... cubic feet per second.....									
60	Laterals..... number.....									
61	Length..... miles.....									
62	Reservoirs..... number.....									
63	Capacity..... acre-feet.....									
64	Flowing wells..... number.....									
65	Capacity..... gallons per minute.....									
66	Pumped wells..... number.....									
67	Capacity..... gallons per minute.....									
68	Pumping plants..... number.....									
69	Engine capacity..... horsepower.....									
70	Pump capacity..... gallons per minute.....									
COST										
71	Cost of enterprises up to July 1, 1910..... dollars.....									
72	Cost in 1899..... dollars.....									
73	Per cent of increase, 1899-1910.....									
74	Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....									
75	Average cost per acre irrigated in 1899..... dollars.....									
76	Estimated final cost of existing enterprises..... dollars.....									
77	Average per acre included in projects..... dollars.....									
OPERATION AND MAINTENANCE										
78	Acreage for which cost is reported.....									
79	Total cost reported..... dollars.....									
80	Average per acre for which cost is reported..... dollars.....									
81	Average cost per acre in 1899..... dollars.....									
82	Per cent of increase, 1899-1909.....									

* Decrease.

† Not reported.

‡ Not reported by counties.

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

[Comparative data for 1899 in italics.]

	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1 Number of all farms in 1910.....	4,772	2,687	873	1,006	308	4,021	386	1,293	1,255	436
2 Number of farms irrigated in 1909.....	38	1,911	39	306	201	3,048	157	489	333	112
3 Per cent of all farms.....	0.8	71.1	4.5	36.4	65.3	75.8	40.7	37.8	26.5	25.7
4 Number of farms irrigated in 1899.....	(¹)	281	(¹)	209	170	21,407	186	553	167	181
5 Per cent of increase, 1899-1909.....		764.7		75.1	18.2	107.8	15.1	38.5	99.4	38.1
LAND AND FARM AREA										
6 Approximate land area..... acres.....	1,009,280	928,000	389,120	1,851,520	2,026,240	3,107,840	1,401,600	1,201,920	648,960	408,960
7 Land in farms..... acres.....	744,644	649,392	385,462	915,227	91,310	1,045,231	193,072	550,199	483,383	249,108
8 Improved land in farms..... acres.....	248,271	512,189	199,510	186,642	13,300	507,024	30,407	213,868	317,268	94,250
9 Acreage irrigated in 1909.....	631	84,015	1,173	14,281	6,324	265,404	2,035	25,273	11,754	3,073
10 Per cent of total land area.....	0.1	9.1	0.3	0.8	0.3	8.5	0.1	2.1	1.8	0.8
11 Per cent of land in farms.....	0.1	12.9	0.3	1.6	0.9	36.4	1.1	4.6	2.5	1.2
12 Per cent of improved land in farms.....	0.3	16.4	0.6	7.7	47.5	52.3	5.6	11.8	3.7	3.3
13 Acreage irrigated in 1899.....	(¹)	17,505	(¹)	11,612	4,710	286,854	1,381	11,985	6,191	2,477
14 Per cent of increase, 1899-1909.....		378.9		24.1	34.3	205.6	47.4	111.8	127.7	24.1
15 Acreage enterprises were capable of irrigating in 1910.....	701	141,785	1,361	28,167	7,127	337,938	2,083	49,407	14,697	6,401
16 Acreage included in projects.....	951	340,914	1,959	30,020	9,513	466,735	6,958	56,357	55,907	46,322
ACREAGE IRRIGATED AND INCLUDED IN PROJECTS										
CLASSIFIED BY CHARACTER OF ENTERPRISE.										
17 U. S. Reclamation Service, irrigated in 1909.....										
18 Enterprises were capable of irrigating in 1910.....										
19 Included in projects.....										
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.....		67,313				82,420				1,750
27 Enterprises were capable of irrigating in 1910.....		121,088				124,638				4,500
28 Included in projects.....		303,313				144,038				43,000
29 Cooperative enterprises, irrigated in 1909.....				1,700				10,180		
30 Enterprises were capable of irrigating in 1910.....				3,200				16,388		
31 Included in projects.....				3,200				18,425		
32 Commercial enterprises, irrigated in 1909.....		12,280	500	2,900		11,150	1,450	7,650	10,400	281
33 Enterprises were capable of irrigating in 1910.....		12,280	500	5,600		11,680	1,450	20,400	10,400	781
34 Included in projects.....		14,127	1,000	11,600		16,820	5,055	22,000	50,400	781
35 Individual and partnership enterprises, irrigated in 1909.....	631	4,472	673	9,681	6,324	46,417	585	7,443	1,354	1,042
36 Enterprises were capable of irrigating in 1910.....	761	4,472	861	14,467	7,127	55,099	633	12,619	4,297	1,120
37 Included in projects.....	951	4,474	959	21,320	9,513	78,089	903	15,932	5,507	2,541
ACREAGE IRRIGATED										
CLASSIFIED BY SOURCE OF WATER SUPPLY.										
38 Supplied from streams.....	434	84,010	660	13,464	5,984	227,280	1,891	18,198		2,791
39 By gravity.....	255	82,120	660	12,891	5,911	226,939	1,869	18,130		2,791
40 By pumping.....	179	1,890		573	73	341	22	8		
41 Supplied from lakes.....									11,467	
42 By gravity.....									10,400	
43 By pumping.....									1,067	
44 Supplied from wells.....	157	5	313	566	2	37,942	8	6,750	297	238
45 Flowing.....				1		6,650	3	681		
46 By pumping.....	157	5	313	565	2	31,286	5	6,169	297	238
47 Supplied from springs.....	40		200	261	338	169	136	72		44
48 Supplied from reservoirs.....						13		253		
49 Total acreage supplied by pumping.....	336	1,895	313	1,138	75	31,627	27	6,237	1,354	238
IRRIGATION ENTERPRISES										
50 Independent enterprises..... number.....	40	27	21	270	193	908	61	189	47	39
51 Number in 1899.....										
52 Per cent of increase, 1899-1910.....										
53 Main ditches..... number.....	32	23	13	136	208	762	62	148	8	30
54 Number in 1899.....										
55 Per cent of increase, 1899-1910.....										
56 Length..... miles.....	21	153	6	164	228	1,033	163	177	87	128
57 Length in 1899.....										
58 Per cent of increase, 1899-1910.....										
59 Capacity..... cubic feet per second.....	14	3,074	27	1,325	802	6,526	245	627	214	398
60 Laterals..... number.....	34		41	41	41	577	11	53	8	13
61 Length..... miles.....	274		40	13	629	24	87	83	87	87
62 Reservoirs..... number.....	3	5	6	43	30	63	9	32	5	5
63 Capacity..... acre-feet.....	1	30,016	1	311	427	1,326	10	80	2	80
64 Flowing wells..... number.....				1		79	2	32		
65 Capacity..... gallons per minute.....				8		35,513	14	17,455		
66 Pumped wells..... number.....	11	3	18	141	1	794	4	167	68	11
67 Capacity..... gallons per minute.....	6,831	950	6,616	16,275	750	237,420	16	64,829	29,409	1,605
68 Pumping plants..... number.....	27	21	19	165	3	739	7	126	46	11
69 Engine capacity..... horsepower.....	134	707	124	751	34	7,864	89	2,976	981	62
70 Pump capacity..... gallons per minute.....	16,763	185,950	6,616	39,680	1,920	244,318	765	72,704	69,694	1,605
COST										
71 Cost of enterprises up to July 1, 1910..... dollars.....	13,801	4,051,870	18,800	263,055	173,414	5,634,379	180,474	2,262,205	311,600	198,268
72 Cost in 1899.....										
73 Per cent of increase, 1899-1910.....										
74 Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....	18.14	28.58	13.81	11.35	24.33	16.67	86.64	45.79	21.21	30.97
75 Average cost per acre irrigated in 1899.....										
76 Estimated final cost of existing enterprises..... dollars.....	13,801	5,326,870	18,800	342,555	173,414	5,643,379	180,474	2,317,205	311,600	198,268
77 Average per acre included in projects..... dollars.....	14.51	15.63	9.60	9.51	18.23	12.09	30.29	41.12	5.57	4.28
OPERATION AND MAINTENANCE										
78 Acreage for which cost is reported.....		79,543		4,600		124,961	200	14,604	10,400	1,750
79 Total cost reported..... dollars.....		69,633		4,132		175,823	200	48,418	18,146	1,037
80 Average per acre for which cost is reported..... dollars.....		0.88		0.90		1.41	1.00	3.32	1.74	0.59
81 Average cost per acre in 1899.....										
82 Per cent of increase, 1899-1909.....										

¹ Included in "all other counties" in Twelfth Census report.
² Exclusive of Indian reservations.

³ Decrease.
⁴ See explanation at close of text.

⁵ Not reported.
⁶ Not reported by counties.

CHAPTER 5.

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

Introduction.—This chapter gives the statistics of manufactures for the state of California 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 cities of Los Angeles, Oakland, and San Francisco. It also gives the same items for all industries combined for every 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 Los Angeles, Oakland, and San Francisco 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 dis-

tinguished 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, in order to avoid interference with comparisons with prior censuses.

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. Statistics for custom gristmills are given in a separate table at the end of this chapter. Statistics can not be shown for custom sawmills without disclosing the operations of the one establishment reported.

INDUSTRIES IN GENERAL.

General character of the state.—California, with a gross area of 158,297 square miles, of which 2,645 represent water surface, ranks second in size among the states of the Union. Its population in 1910 was 2,377,549, as compared with 1,485,053 in 1900 and 1,213,398 in 1890. In 1910 the density of population for the entire state was 15.3 per square mile, the corresponding figure for 1900 being 9.5. It ranked twelfth among the 49 states and territories as regards population in 1910 and twenty-first in 1900. Sixty-one and eight-tenths per cent of the entire population of the state resided in 1910 in cities and incorporated towns having a population of 2,500 or over, as against 52.4 per cent in 1900.

San Francisco, with a population of 416,912, Los Angeles, with 319,198, and Oakland, with 150,174, were the only cities in the state having over 50,000 inhabitants in 1910, but there were 18 other cities having a population of 10,000 or over. (See table on page 684.) These 21 cities contained 53.3 per cent of the total population of the state in 1910, and were credited with 55.7 per cent of the total value of its manufactured products in 1909. Only 8.5 per cent of the population of the state resided in incorporated places of between 2,500 and 10,000 inhabitants.

San Francisco Bay, which has an area of about 450 square miles, is by far the most important harbor of the state. On this bay are located the cities of San Francisco and Oakland, the former being the most important port on the Pacific coast. Los Angeles and San Diego, in southern California, are the ports of the state next in importance. Several trunk lines and local railways, which operated 7,529 miles of track in 1909,¹ furnish excellent transportation facilities by land, and the lower courses of the Sacramento and San Joaquin Rivers are available for transportation by water. These two rivers, together with numerous smaller rivers and many mountain streams in various parts of the state, afford abundant water power, some of which is transformed into electric energy which in some instances is transmitted over exceptionally long distances.

The natural resources of the state give rise to several of its leading industries, such as the lumber industry, canning and preserving, flour milling and gristmilling, petroleum refining, the refining of beet sugar, the wine industry, and the manufacture of cement. The high

cost of fuel, the greater part of which had to be brought from outside the state, retarded the early development of manufactures, but the discovery of an abundance of oil in the state, the development of the oil fields, and the utilization during recent years of electricity generated by water power have given a decided impetus to manufactures in California.

Importance and growth of manufactures.—Although agriculture and mining are the principal industries in California, the state shows a marked growth in manufactures during the last 40 years. The gross value of products per capita of the total population increased from \$119 in 1869 to \$223 in 1909, and the proportion which the manufactures of the state represented of the total value of the products of manufacturing industries in the United States advanced from 1.6 per cent to 2.6 per cent during the same time. California ranked sixteenth among the states in 1869 in gross value of manufactured products, but had advanced to eleventh place in 1909.

The table on page 676 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.

In 1909 the state of California had 7,659 manufacturing establishments, which gave employment to an average of 141,576 persons during the year and paid out \$107,097,000 in salaries and wages. Of the persons employed, 115,296 were wage earners. These establishments turned out products to the value of \$529,761,000, to produce which materials costing \$325,238,000 were utilized. The value added by manufacture was thus \$204,523,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

The totals presented in this report do not include the statistics for an establishment operated by the Federal Government—the United States navy yard, located at Mare Island. In 1909 this plant employed an average of 1,917 wage earners and the value of the work performed was \$4,335,000.

In general, the table brings out the fact that the manufacturing industries of California, in most respects, showed a higher rate of development during the five-year period 1899–1904 than during the succeeding five-year period 1904–1909. During the period 1899–1904 the average number of wage earners increased 30 per cent, the value of products 42.7 per cent, and the

¹ Interstate Commerce Commission, Statistics of Railways in the United States, 1909.

value added by manufacture 63.8 per cent. For the later period, 1904-1909, the corresponding percentages were 14.9, 44.3, and 35, respectively. As pointed out in the Introduction, it would be improper to infer

that manufactures increased in volume to the full extent indicated by the figures relating to values, since the increase shown is certainly due, in part, to the increase that has taken place in the price of commodities.

	NUMBER OR AMOUNT.			PER CENT OF INCREASE.	
	1909	1904	1899	1904-1909	1899-1904
Number of establishments.....	7,659	6,839	4,997	12.0	36.9
Persons engaged in manufactures.....	141,576	120,040	(¹)	17.9	.....
Proprietors and firm members.....	8,077	7,402	(¹)	9.1	.....
Salaried employees.....	18,203	12,283	6,877	48.2	78.6
Wage earners (average number).....	115,296	100,355	77,224	14.9	30.0
Primary horsepower.....	329,100	210,359	126,953	56.4	65.7
Capital.....	\$537,134,000	\$282,647,000	\$175,468,000	90.0	61.1
Expenses.....	476,154,000	321,928,000	225,404,000	47.9	42.8
Services.....	107,097,000	79,056,000	47,385,000	35.5	66.8
Salaries.....	22,955,000	14,399,000	7,495,000	59.4	92.1
Wages.....	84,142,000	64,657,000	39,890,000	30.1	62.1
Materials.....	325,238,000	215,726,000	164,894,000	50.8	30.8
Miscellaneous.....	43,819,000	27,146,000	13,125,000	61.4	106.8
Value of products.....	529,761,000	367,218,000	257,386,000	44.3	42.7
Value added by manufacture (value of products less cost of materials).....	204,523,000	151,492,000	92,492,000	35.0	63.8

¹ Figures not available.

The relative importance and growth of the leading manufacturing industries of the state are shown in the table on page 677.

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 products of one establishment in the industry as material for other establishments.

In addition to the 56 industries presented separately in the table, there are 24 other industries in the state which had a value of products in 1909 exceeding \$500,000.¹ These are included under the head of "All other industries" in the table in some cases because 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, and in still others because comparable statistics for prior census years are not available, or can not be presented on account of changes in classification. Of these 24 industries, those of special importance are the smelting and refining of lead, the refining of cane sugar, the smelting and refining of copper, the manufacture of beet sugar, the manufacture of explosives, and shipbuilding, including boat

¹ These industries are:

Artificial flowers and feathers and plumes.	Malt.
Awnings, tents, and sails.	Matches.
Bags, other than paper.	Mineral and soda waters.
Baking powders and yeast.	Oil, not elsewhere specified.
Beet sugar.	Roofing materials.
Chocolate and cocoa products.	Shipbuilding, including boat building.
Cordage and twine and jute and linen goods.	Smelting and refining, copper.
Explosives.	Smelting and refining, lead.
Glass.	Soap.
Glass, cutting, staining, and ornamenting.	Sugar refining, not including beet sugar.
Iron and steel pipe, wrought.	Wirework, including wire rope and cable.
Lead, bar, pipe, and sheet.	Woolen, worsted, and felt goods, and wool hats.

building. The 1909 statistics, however, for the shipbuilding industry are given in Table II, page 706.

The most important industries listed in the table on page 677, in which they are arranged in the order of value of products, call for brief discussion in order to show the scope of the classifications where these are not on their face entirely clear, or to point out important facts in relation to the growth of the industries in the state.

Lumber and timber products.—This industry embraces logging operations, sawmills, planing mills, and establishments engaged in the manufacture of wooden-packing boxes. It does not include mills engaged exclusively in custom sawing. The industry is the leading one in the state, giving employment in 1909 to 22,935 wage earners, or 19.9 per cent of the total for all manufacturing industries, and the value of its products amounted to \$45,000,000, or 8.5 per cent of the total. While the growth of the industry during the five-year period 1904-1909 was considerable, its development was much less rapid than during the earlier period, 1899-1904.

Slaughtering and meat packing.—This classification includes the wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage only. The animals slaughtered are largely cattle and sheep from the foothills and lower mountain slopes and from the plateau region of the northeastern part of the state and southeastern Oregon, conditions in these sections being very favorable to stock raising. About half of the stock slaughtered is raised within the state.² The fact that within recent years the meat packers have been able to overcome, through refrigera-

² California: Its Products, Resources, Industries, and Attractions, 1909, p. 95.

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tion, climatic difficulties which required the excessive use of salt in preserving meats has been an important factor in the growth of this industry. The total value of

products reported for the industry in 1909, \$34,280,000, represents an increase of \$18,463,000, or 116.7 per cent, as compared with the amount reported for 1899.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE. ¹			
		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
All Industries.....	7,659	115,286	100.0	\$529,761,000	100.0	\$204,523,000	100.0	44.3	42.7	35.0	63.8
Lumber and timber products.....	644	22,935	19.9	45,000,000	8.5	26,631,000	13.0	30.0	70.5	15.4	89.0
Slaughtering and meat packing.....	94	1,641	1.4	34,280,000	6.5	5,832,000	2.9	55.7	39.2	78.8	48.2
Canning and preserving.....	196	7,757	6.7	32,915,000	6.2	8,006,000	4.4	26.2	74.6	19.9	54.9
Foundry and machine-shop products.....	543	8,377	7.3	26,731,000	5.1	13,830,000	6.8	51.9	35.1	35.4	43.7
Flour-mill and gristmill products.....	125	948	0.8	25,188,000	4.8	3,296,000	1.6	24.7	54.9	7.3	51.9
Printing and publishing.....	1,240	7,556	6.6	25,032,000	4.7	18,705,000	9.1	30.9	80.7	28.1	83.0
Cars and general shop construction and repairs by steam-railroad companies.....	42	9,342	8.1	18,719,000	3.5	9,170,000	4.5	90.3	30.2	39.3	76.6
Petroleum, refining.....	29	930	0.8	17,878,000	3.4	3,980,000	1.9	211.0	723.6	145.0	677.9
Bread and other bakery products.....	864	4,018	3.5	17,710,000	3.3	7,333,000	3.6	66.8	117.7	50.8	115.8
Butter, cheese, and condensed milk.....	161	597	0.5	12,761,000	2.4	1,621,000	0.8	63.2	118.3	19.1	126.1
Leather, tanned, curried, and finished.....	40	1,398	1.2	9,307,000	1.8	2,328,000	1.1	16.0	9.0	7.8	35.3
Liquors, malt.....	33	1,296	1.1	9,319,000	1.8	6,760,000	3.3	24.1	47.7	28.5	38.2
Liquors, vinous.....	181	1,287	1.1	8,937,000	1.7	4,263,000	2.1	38.6	69.9	41.2	114.0
Gas, illuminating and heating.....	74	1,666	1.4	8,927,000	1.7	6,223,000	3.1	64.0	71.2	49.6	86.6
Copper, tin, and sheet-iron products.....	233	1,938	1.7	6,804,000	1.3	3,289,000	1.6	14.6	12.4	22.2	49.1
Cement.....	8	2,407	2.1	6,504,000	1.2	4,322,000	2.1	306.2	.....	361.3	.....
Coffee and spice, roasting and grinding.....	44	352	0.3	6,492,000	1.2	1,875,000	0.9	38.6	49.3	30.9	74.4
Food preparations.....	129	716	0.6	5,508,000	1.0	1,538,000	0.8	247.1	37.9	137.0	37.2
Liquors, distilled.....	33	193	0.2	5,358,000	1.0	4,518,000	2.2	359.5	389.5	471.9	1,680.9
Clothing, men's, including shirts.....	74	2,385	2.1	5,121,000	1.0	2,226,000	1.1	-2.2	11.0	-10.1	23.1
Furniture and refrigerators.....	129	1,653	1.4	4,496,000	0.9	2,638,000	1.3	58.6	123.5	70.9	125.7
Paint and varnish.....	35	396	0.3	3,758,000	0.7	1,108,000	0.5	58.6	88.2	59.8	118.3
Confectionery.....	89	1,002	0.9	3,624,000	0.7	1,486,000	0.7	3.4	95.9	-20.1	109.8
Iron and steel, steel works and rolling mills.....	5	1,038	0.9	3,520,000	0.7	1,172,000	0.6	136.4	65.3	65.1	80.2
Marble and stone work.....	128	1,415	1.2	3,380,000	0.6	2,197,000	1.1	41.1	113.5	58.1	84.4
Tobacco manufactures.....	332	1,465	1.3	3,360,000	0.6	2,143,000	1.0	5.3	69.1	2.3	82.7
Cars and general shop construction and repairs by street-railroad companies.....	21	1,902	1.6	3,009,000	0.6	1,857,000	0.9	145.0	.....	142.1	.....
Brick and tile.....	78	1,703	1.5	2,766,000	0.5	1,804,000	0.9	43.8	129.7	14.1	136.7
Agricultural implements.....	25	622	0.5	2,670,000	0.5	1,229,000	0.6	79.9	9.3	61.7	-7.2
Ice, manufactured.....	77	666	0.6	2,331,000	0.4	1,767,000	0.9	78.3	155.8	75.3	157.8
Fertilizers.....	15	226	0.2	2,313,000	0.4	517,000	0.3	158.7	33.2	37.9	99.5
Leather goods.....	88	710	0.6	2,244,000	0.4	1,143,000	0.6	5.6	24.8	3.1	40.7
Cooperage and wooden goods, not elsewhere specified.....	38	416	0.4	2,167,000	0.4	588,000	0.3	26.1	21.6	0.7	25.6
Mattresses and spring beds.....	35	528	0.5	2,104,000	0.4	921,000	0.4	114.3	144.0	72.1	190.8
Carriages and wagons and materials.....	155	760	0.7	2,062,000	0.4	1,203,000	0.6	-12.8	19.0	-10.8	25.0
Boots and shoes, including cut stock and findings.....	18	695	0.6	1,924,000	0.4	804,000	0.4	11.0	-6.9	9.5	-3.3
Pottery, terra-cotta, and fire-clay products.....	26	1,027	0.9	1,797,000	0.3	1,262,000	0.6	2.0	134.5	-5.4	178.6
Gas and electric fixtures and lamps and reflectors.....	41	553	0.5	1,715,000	0.3	965,000	0.5	.....	.....	.....	.....
Clothing, women's.....	64	791	0.7	1,672,000	0.3	796,000	0.4	-4.2	-11.9	-9.8	-9.4
Electrical machinery, apparatus, and supplies.....	27	435	0.4	1,613,000	0.3	685,000	0.3	60.7	80.0	20.2	189.3
Firearms and ammunition.....	5	156	0.1	1,577,000	0.3	410,000	0.2	102.2	19.6	51.9	67.7
Jewelry.....	58	574	0.5	1,557,000	0.3	893,000	0.4	7.6	108.8	16.7	161.1
Patent medicines and compounds and druggists' preparations.....	89	310	0.3	1,549,000	0.3	910,000	0.4	7.2	-7.5	-0.2	12.9
Automobiles, including bodies and parts.....	41	478	0.4	1,470,000	0.3	770,000	0.4	3,983.3	.....	3,247.8	.....
Chemicals.....	13	244	0.2	1,306,000	0.3	544,000	0.3	16.2	-45.5	28.3	-35.3
Gloves and mittens, leather.....	23	570	0.5	1,231,000	0.2	673,000	0.3	35.1	-1.1	48.9	-6.6
Sulphuric, nitric, and mixed acids.....	6	217	0.2	1,161,000	0.2	421,000	0.2	29.9	.....	32.0	.....
Barbitt metal and solder.....	5	52	(²)	1,120,000	0.2	273,000	0.1	55.3	80.9	108.4	50.6
Paper and wood pulp.....	4	312	0.3	969,000	0.2	529,000	0.3	51.2	.....	44.5	.....
Boxes, fancy and paper.....	19	624	0.5	965,000	0.2	523,000	0.3	84.2	59.3	84.8	45.1
Salt.....	19	402	0.3	746,000	0.1	504,000	0.2	73.9	12.9	63.1	17.5
Furnishing goods, men's.....	11	134	0.1	721,000	0.1	264,000	0.1	163.1	-68.2	146.7	-68.7
Brass and bronze products.....	29	195	0.2	679,000	0.1	384,000	0.2	-27.8	15.9	-38.0	50.0
Artificial stone.....	66	320	0.3	643,000	0.1	423,000	0.2	95.4	.....	112.6	.....
Lime.....	15	410	0.4	609,000	0.1	397,000	0.2	6.5	.....	3.4	.....
Stoves and furnaces, including gas and oil stoves.....	17	215	0.2	514,000	0.1	308,000	0.2	84.2	.....	70.2	.....
All other industries.....	976	14,341	12.4	131,833,000	24.9	33,288,000	16.3	.....	.....	.....	.....

¹ Percentages are based on figures in Table I; a minus sign (-) denotes decrease. Where the percentages are omitted, comparable figures can not be given.
² Less than one-tenth of 1 per cent.

Canning and preserving.—This classification includes the canning of fruits and vegetables, fish, oysters, clams, etc., the preparation of pickled, smoked, and dried fish, the packing of dried fruits by packing houses which make a specialty of such business, and the manufacture of pickles, preserves, jellies, sauces, etc., but

it does not include the drying and packing of fruits by the grower on the farm, nor does it include the canning of meats, soups, and similar products in meat-packing establishments (the statistics for which are included with those for the slaughtering and meat-packing industry). The climate of the state is especially

favorable to the growth of fruits of all kinds, and large quantities are canned, dried, and preserved for sale in the eastern and foreign markets. The canning, pickling, smoking, and drying of fish and the canning of oysters form comparatively unimportant branches of the industry. California far exceeds any other state in the value of products for this industry, the amount reported for 1909 being \$32,915,000, or 21 per cent of the total for the United States.

Foundry and machine-shop products.—This industry embraces, in addition to the general class of foundries and machine shops, establishments engaged in such special lines as the manufacture of gas machines and gas and water meters, hardware, plumbers' supplies, steam fittings and heating apparatus, and structural ironwork. It does not, however, include establishments which manufacture distinctive products covered by other classifications, such as cash registers and calculating machines, or electrical machinery, apparatus, and supplies. This industry ranked third among the manufacturing industries of the state in 1909 in number of wage earners, giving employment to 8,377, or 7.3 per cent of the total for all industries.

Flour-mill and gristmill products.—The statistics for all merchant mills grinding wheat, rye, buckwheat, corn, or other grains are included in this classification. It does not, however, include factories making fancy cereals or other food preparations as a chief product, or mills doing custom grinding exclusively. The statistics for the latter mills are presented separately on page 697. The industry shows an increase of \$12,143,000, or 93.1 per cent, in value of products during the decade 1899-1909.

Printing and publishing.—This classification includes job printing, the printing and publishing of books, newspapers and periodicals, and music, bookbinding, steel engraving, and lithographing. More establishments were reported for this industry in 1909 than for any other in the state. The 1,240 establishments reporting included 705 publishing newspapers and periodicals and 481 doing book and job work exclusively. The average number of wage earners employed in the newspaper and periodical branch of the industry was 3,650, and the value of products \$15,239,000; the average number of wage earners engaged in book and job work was 2,907, and the value of products \$7,438,000. These two branches of the industry together employed 86.8 per cent of the average number of wage earners and reported 90.6 per cent of the total value of products for the entire industry in 1909.

Cars and general shop construction and repairs by steam-railroad companies.—This industry represents the work done in the car shops operated by steam-railroad companies, but does not cover minor repairs in roundhouses. The operations consist almost exclusively of repairs to the rolling stock and equipment. It is seventh in importance, as measured by value of products, among the industries given in the table and

shows a remarkable development for the 10-year period. In 1909 the industry gave employment to an average of 9,342 wage earners, the second largest number reported for any manufacturing industry in the state, and the value of the work done amounted to \$18,719,000.

Petroleum, refining.—The recent development of the extensive oil fields of the state has made California the leading state of the Union in the production of crude petroleum. The refining of petroleum has made remarkable progress in the state during the last few years, the value of the products of the industry in 1909 being \$17,878,000, or over twenty-five times as great as in 1899, when it was only \$698,000.

Butter, cheese, and condensed milk.—This industry, which in California is confined chiefly to the manufacture of butter, has made marked progress during the past decade, the value of products increasing from \$3,583,000 in 1899 to \$12,761,000 in 1909, a gain of 256.2 per cent. The manufacture of cheese and condensed milk decreased materially during the period 1904-1909.

Leather, tanned, curried, and finished.—The tanning, currying, and finishing of leather did not become prominent in California until about 1861. From that time, however, it grew rapidly and since 1877 the local supply of hides and skins has not been large enough to satisfy the requirements of the industry, so that it has been necessary to supplement it by hides and skins brought in from other states or imported from foreign countries.¹ In 1879 there were 142 establishments in the state engaged in the leather industry, their total output being valued at \$6,193,573. Since that time the number of establishments has decreased, but, with the exception of a slight decrease during the first decade following 1879, the value of products has shown a substantial increase from census to census.

Liquors, malt.—This industry shows considerable growth for the decade, the gain both in value of products and in value added by manufacture being greater, however, for the five-year period 1899-1904 than for the following five-year period.

Liquors, vinous.—The extensive vineyards of California have placed this state far ahead of any other in the wine industry. In 1909 the value of products for the industry in the state, \$8,937,000, represented 68.1 per cent of the total for the United States, as compared with \$6,689,000, or 60.3 per cent, in 1904 and \$3,938,000, or 60.1 per cent, in 1899.

Gas, illuminating and heating.—The manufacture of gas is notable in California because of the extensive use of petroleum. On account of the lack of coal in the state, the product of the gas plants has been limited to the manufacture of carbureted water gas and oil gas. According to the statistics for 1909, the production of oil gas greatly exceeded that of carbureted water gas.

¹The Commerce and Industries of the Pacific Coast, p. 189. History of California, Vol. VII, p. 91.

The total value of products reported for the industry in 1909 was \$8,927,000, an increase of \$5,765,000, or 182.3 per cent, over that for 1899.

Cement.—California has numerous beds of soft limestone and clay which are relatively low in magnesia and which are being utilized to a considerable extent for the manufacture of Portland cement. In 1904 there were four establishments engaged in the industry, employing 596 wage earners and reported products valued at \$1,601,000, while in 1909 the industry had increased to eight establishments, giving employment to an average of 2,407 wage earners and reporting a product valued at \$6,504,000. The counties in which the industry is most extensively carried on, named in order of importance, are Solano, Santa Cruz, and San Bernardino.

With the exception of the lumber industry, which holds first place on either basis, the rank of the industries shown separately in the preceding table in respect to value added by manufacture, differs considerably from their rank in value of products, which is the order in which they are arranged in the table. The printing and publishing industry ranks second among these industries in value added by manufacture, instead of slaughtering and meat packing, which falls to ninth place, while the foundry and machine-shop industry becomes third, instead of canning and preserving, which drops to fifth place. The steam-railroad repair shops rise from seventh place to fourth, the bakery industry from ninth to sixth, the brewery industry from twelfth to seventh, and the gas industry from fourteenth to eighth. On the other hand, the flour-mill and gristmill industry drops from fifth place to fourteenth, petroleum refining from eighth to thirteenth, and the butter, cheese, and condensed-milk industry from tenth to twenty-fifth.

A number of industries, particularly the butter, cheese, and condensed-milk, flour-mill and gristmill, slaughtering and meat-packing, and petroleum-refining industries, have a much lower rank in value added by manufacture and in average number of wage earners than in value of products. This condition is due mainly to the comparatively simple processes of manufacture existing in these industries, as a result of which by far the greater proportion of the gross value of products represents the cost of materials, while the proportion representing wages, which usually constitute the principal factor in value added by manufacture, is relatively small.

The percentages of increase or decrease in value of products and value added by manufacture for the five-year periods 1904-1909 and 1899-1904 are given for each industry presented separately in the preceding table for which comparable statistics are shown separately in Table I, page 698.

The automobile industry, which in California had its beginning but a short time prior to the census of 1904, shows a much higher rate of increase in both respects

from 1904 to 1909 than any other of these industries, the value of products in 1909 being more than forty times as great and the value added by manufacture more than thirty-three times as great as in 1904. The distillery, cement, food-preparation, and petroleum-refining industries also show remarkable increases in both value of products and value added by manufacture during the same period.

The making of women's clothing is the only industry shown separately in the table for which decreases in both value of products and value added by manufacture are shown for both five-year periods. The manufacture of men's clothing, of carriages and wagons, and of brass and bronze products show decreases in both respects for the later five-year period, 1904 to 1909, while for the confectionery industry and the manufacture of pottery, terra-cotta, and fire-clay products and of patent medicines and compounds and druggists' preparations decreases in value added by manufacture only are shown for that period. In addition to the women's clothing industry, four others show decreases in both value of products and value added by manufacture for the earlier five-year period, 1899-1904, while one shows a decrease in value of products only and one a decrease in value added by manufacture only.

The value of products of the breweries and the distilleries includes a very large amount of Federal internal-revenue tax, and is, therefore, misleading as an indication of the importance of these industries from a purely manufacturing standpoint. In the case of the wine industry the amount of internal-revenue tax included is much smaller relatively than in the other two liquor industries, as no internal-revenue tax is imposed upon wine made from grapes grown by the manufacturer himself, or upon wine made from purchased grapes when it is sold at the place where it is made or at the general business office of the manufacturer. The establishments included in this industry also make considerable quantities of brandy, some of which is sold, in which case it is subject to the regular internal-revenue tax on distilled liquors; most of the brandy made, however, is used in fortifying the wine produced in the same establishment and is not subject to tax.

Persons engaged in manufacturing industries.—The next 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.

The average number of persons engaged in manufactures during 1909 was 141,576, of whom 115,296 were wage earners. Of the remainder, 13,640 were proprietors and officials, and 12,640 were clerks. Corresponding figures for individual industries will be found in Table II, page 706.

CLASS.	PERSONS ENGAGED IN MANUFACTURES.		
	Total.	Male.	Female.
All classes.....	141,570	123,929	17,647
Proprietors and officials.....	13,040	13,293	347
Proprietors and firm members.....	8,077	7,826	251
Salaried officers of corporations.....	2,103	2,036	67
Superintendents and managers.....	3,460	3,431	29
Clerks.....	12,040	9,672	2,068
Wage earners (average number).....	115,296	100,964	14,332
16 years of age and over.....	114,236	100,215	14,018
Under 16 years of age.....	1,080	746	314

The following table shows, for 1909, the percentage of proprietors and officials, clerks, and wage earners, respectively, among the total number of persons employed in manufactures. It covers all industries combined and 20 important industries individually.

INDUSTRY.	PERSONS ENGAGED IN MANUFACTURES.			
	Total number.	Per cent of total.		
		Proprietors and officials.	Clerks.	Wage earners (average number).
All industries.....	141,576	9.6	8.9	81.4
Bread and other bakery products.....	5,801	21.2	0.6	69.3
Butter, cheese, and condensed milk.....	918	22.8	12.2	65.0
Canning and preserving.....	8,714	5.0	6.0	89.0
Cars and general shop construction and repairs by steam-railroad companies.....	9,688	0.7	2.8	96.4
Cement.....	2,521	1.0	3.6	95.5
Clothing, men's, including shirts.....	2,859	11.3	5.3	83.4
Coffee and spice, roasting and grinding.....	707	11.0	39.2	49.8
Copper, tin, and sheet-iron products.....	2,511	17.0	5.8	77.2
Flour-mill and gristmill products.....	1,392	14.9	17.0	68.1
Food preparations.....	1,108	23.1	12.3	64.6
Foundry and machine-shop products.....	10,218	9.8	8.2	82.0
Gas, illuminating and heating.....	2,538	6.7	27.7	65.6
Leather, tanned, curried, and finished.....	1,547	5.8	3.8	90.4
Liquors, distilled.....	264	17.8	0.1	73.1
Liquors, malt.....	1,026	10.5	0.8	79.7
Liquors, vinous.....	1,691	16.9	7.0	76.1
Lumber and timber products.....	25,079	4.8	3.8	91.5
Petroleum, refining.....	1,146	6.1	12.7	81.2
Printing and publishing.....	12,215	14.8	23.4	61.9
Slaughtering and meat packing.....	2,185	10.1	13.0	76.9
All other industries.....	46,898	11.4	8.5	80.1

Of the total number of persons engaged in all manufacturing industries, 9.6 per cent were proprietors and officials, 8.9 per cent clerks, and 81.4 per cent wage earners. In the bakery and the butter, cheese, and condensed-milk industries, and in the manufacture of food preparations, the majority of the establishments are comparatively small and the work is to a large extent done by the proprietors or their immediate representatives, so that the proportion of the 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. The smallest proportions shown for this class are for the steam-railroad repair shops and the cement industry, owing principally to the large number of wage earners employed per establishment in these industries.

The following 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.

INDUSTRY.	Average number. ¹	WAGE EARNERS.		
		Per cent of total.		Under 16 years of age.
		Male.	Female.	
All industries.....	115,296	86.9	12.2	0.9
Bread and other bakery products.....	4,018	80.3	18.8	0.9
Butter, cheese, and condensed milk.....	597	93.8	0.2	.....
Canning and preserving.....	7,757	41.4	56.3	2.2
Cars and general shop construction and repairs by steam-railroad companies.....	0,342	100.0	.....	(²)
Cement.....	2,407	99.9	.....	0.1
Clothing, men's, including shirts.....	2,385	17.4	82.4	0.2
Coffee and spice, roasting and grinding.....	352	62.8	36.6	0.6
Copper, tin, and sheet-iron products.....	1,938	94.4	5.2	0.4
Flour-mill and gristmill products.....	948	97.9	2.1	.....
Food preparations.....	716	68.0	31.7	0.3
Foundry and machine-shop products.....	8,377	99.3	0.2	0.5
Gas, illuminating and heating.....	1,666	100.0	.....	.....
Leather, tanned, curried, and finished.....	1,398	99.7	.....	0.3
Liquors, distilled.....	193	86.5	13.5	.....
Liquors, malt.....	1,296	100.0	.....	.....
Liquors, vinous.....	1,287	98.8	1.2	.....
Lumber and timber products.....	22,935	99.2	0.6	0.2
Petroleum, refining.....	930	99.9	0.1	.....
Printing and publishing.....	7,556	81.9	15.7	2.4
Slaughtering and meat packing.....	1,641	97.4	1.8	0.8
All other industries.....	37,557	85.2	13.3	1.4

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

² Less than one-tenth of 1 per cent.

For all industries combined, 86.9 per cent of the average number of wage earners were males 16 years of age and over; 12.2 per cent females 16 years of age and over; and nine-tenths of 1 per cent children under the age of 16. A majority of the adult female wage earners were employed in the canning and preserving, men's clothing, and printing and publishing industries. Females 16 years of age or over formed a larger proportion (82.4 per cent) of the wage earners in the men's clothing industry than in any other important industry in the state. In the women's clothing industry slightly more than two-thirds of the wage earners belonged to this class, while in the manufacture of fancy and paper boxes and the confectionery industry the proportion exceeded three-fifths, and in the canning and preserving industry and the manufacture of leather gloves and mittens it exceeded one-half.

The canning and preserving and the printing and publishing industries, which were the only ones giving employment to an average of more than 100 wage earners under 16 years of age, together employed about one-third of the total number of such wage earners in all manufacturing industries of the state. The proportions which children formed of the total number of wage earners in these industries were also relatively high (2.2 per cent and 2.4 per cent, respec-

tively), although both were exceeded by that in the boot and shoe industry (5.6 per cent) and by those in other industries in which the actual number of children employed was small.

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.	
Total.....	141,576	100.0	120,040	100.0	17.9
Proprietors and firm members.....	8,077	5.7	7,402	6.2	0.1
Salaried employees.....	18,203	12.9	12,283	10.2	48.2
Wage earners (average number).....	115,296	81.4	100,355	83.6	14.0

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

The table in the next column 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.)

The table shows that for all industries combined the proportion of wage earners under 16 years of age was decidedly less in 1909 than in 1899, the actual number

of such employees having decreased 42.5 per cent during this period. The proportion of adult female wage earners was less in 1904 than in 1899, and in 1909 than in 1904, although the actual number increased from 1899 to 1904 and was practically the same in 1909 as in 1904. Males 16 years of age and over formed 86.9 per cent of all wage earners in 1909, as compared with 84.4 per cent in 1904 and 79.7 per cent in 1899.

CLASS.	AVERAGE NUMBER OF WAGE EARNERS.					
	1909		1904		1899	
	Number.	Percent distribution.	Number.	Percent distribution.	Number.	Percent distribution.
Total.....	115,296	100.0	100,355	100.0	77,224	100.0
16 years of age and over..	114,236	99.1	98,772	98.4	75,382	97.6
Male.....	100,218	86.9	84,688	84.4	61,574	79.7
Female.....	14,018	12.2	14,084	14.0	13,808	17.9
Under 16 years of age....	1,060	0.9	1,583	1.6	1,842	2.4

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 lumber 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 706, are shown, for the majority 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. The wage earners for the lumber industry are divided in the table below in such a manner as to show separately the number engaged in the mills and in the logging operations.

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.
					Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.		
January.....	94,747	71.6	2,854	17.8	14,401	49.7	12,150	63.5	2,251	22.8	77,402	85.1
February.....	94,252	71.3	2,781	17.3	14,441	49.8	12,074	63.1	2,367	24.0	77,030	84.6
March.....	100,372	75.9	2,870	17.9	16,825	58.0	12,793	66.8	4,032	40.9	80,577	88.6
April.....	108,437	82.0	3,878	24.2	21,853	75.4	15,014	78.4	6,839	69.4	82,706	90.8
May.....	115,839	87.6	5,063	31.6	26,755	92.3	17,525	91.5	9,230	93.7	84,021	92.3
June.....	119,911	90.6	6,808	42.4	28,533	98.4	18,681	97.6	9,852	99.9	84,570	92.9
July.....	124,886	94.4	11,567	72.1	28,986	100.0	19,131	99.9	9,855	100.0	84,333	92.6
August.....	131,202	99.2	16,047	100.0	28,961	99.9	19,143	100.0	9,813	99.6	85,194	94.6
September.....	132,280	100.0	14,781	92.1	27,932	96.4	18,833	98.4	9,099	92.3	80,567	95.3
October.....	129,864	98.2	12,952	80.7	25,835	89.1	17,990	94.0	7,845	79.0	91,077	100.0
November.....	121,486	91.8	8,951	55.8	22,807	78.7	16,897	88.2	5,910	60.0	89,728	98.5
December.....	110,281	83.4	4,542	28.3	17,894	61.7	14,795	77.3	3,099	31.4	87,845	96.5

Canning and preserving is a seasonal industry, giving employment to a large number of persons in July, August, September, and October, and to a comparatively small number during most of the other months of the year. The number of wage earners

employed in the industry varied from 2,781 in February to 16,047 in August. The variation of employment in the lumber industry was not so great, but as this industry employed a much larger average number of wage earners than the canning and preserving indus-

try, it exerted a greater influence upon the total number of wage earners employed in all manufacturing industries in the state. The number reported for this industry in January, the month of minimum employment, was 14,585 less than the number shown for July, the month of maximum employment, the variation in this one industry representing nearly one-half of the total variation between the numbers employed during these months in all industries combined. There are other seasonal industries in the state not shown in the table because the numbers of wage earners employed are too small to affect the totals materially. In the manufacture of beet sugar the maximum, 3,420, was reported for September and

the minimum, 772, for February, while in the production of vinous liquors the greatest number, 2,868, was employed in October and the smallest, 793, in June.

Prevailing hours of labor.—In the following 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.

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.....	115,296	22,765	9,652	34,674	6,968	31,107	7,125	386	2,619
Agricultural implements.....	622	2	.....	584	.....	20	16	.....	.....
Artificial stone.....	320	191	10	110	.....	.....	.....	.....	.....
Automobiles, including bodies and parts.....	478	42	8	261	.....	166	1	.....	.....
Babbitt metal and solder.....	62	.....	13	15	.....	24	.....	.....	.....
Boots and shoes, including cut stock and findings.....	695	.....	.....	641	.....	35	19	.....	.....
Boxes, fancy and paper.....	624	56	171	397	.....	.....	.....	.....	.....
Brass and bronze products.....	195	10	113	25	35	3	.....	.....	.....
Bread and other bakery products.....	4,018	413	55	1,552	644	1,011	278	33	32
Brick and tile.....	1,703	186	.....	1,410	.....	72	10	.....	25
Butter, cheese, and condensed milk.....	597	58	11	56	85	120	244	5	18
Canning and preserving.....	7,757	332	53	428	147	6,083	514	46	154
Carrriages and wagons and materials.....	790	270	48	327	40	72	.....	3	.....
Cars and general shop construction and repairs by steam-railroad companies.....	9,342	76	.....	7,761	12	1,451	32	.....	.....
Cars and general shop construction and repairs by street-railroad companies.....	1,902	30	291	1,187	311	49	28	.....	.....
Cement.....	2,407	1	.....	.....	212	.....	1,986	.....	208
Chemicals.....	244	1	.....	24	.....	160	.....	.....	59
Clothing, men's, including shirts.....	2,385	1,327	721	173	.....	124	35	.....	.....
Clothing, women's.....	791	328	109	187	1	143	23	.....	.....
Coffee and spice, roasting and grinding.....	652	53	63	183	10	43	.....	.....	.....
Confectionery.....	1,002	119	156	489	147	74	17	.....	.....
Cooperage and wooden goods, not elsewhere specified.....	416	36	37	301	.....	22	20	.....	.....
Copper, tin, and sheet-iron products.....	1,938	1,138	160	255	365	18	.....	.....	.....
Electrical machinery, apparatus, and supplies.....	435	133	75	199	27	1	.....	.....	.....
Fertilizers.....	226	8	1	97	12	84	24	.....	.....
Firearms and ammunition.....	156	9	.....	40	101	.....	.....	.....	.....
Flour-mill and gristmill products.....	948	117	71	77	53	371	255	4	.....
Food preparations.....	716	100	45	137	100	307	27	.....	.....
Foundry and machine-shop products.....	3,377	1,320	2,774	2,536	1,218	414	59	.....	.....
Furnishing goods, men's.....	134	53	43	33	.....	.....	.....	.....	.....
Furniture and refrigerators.....	1,653	855	30	602	89	37	.....	.....	.....
Gas and electric fixtures and lamps and reflectors.....	553	246	23	284	.....	.....	.....	.....	.....
Gas, illuminating and heating.....	1,066	127	7	.....	965	4	533	8	22
Gloves and mittens, leather.....	370	188	340	42	.....	.....	.....	.....	.....
Ice, manufactured.....	660	32	.....	28	102	256	131	1	116
Iron and steel, steel works and rolling mills.....	1,038	.....	348	69	179	442	.....	.....	.....
Jewelry.....	574	35	80	379	25	12	25	.....	18
Leather goods.....	710	36	68	584	5	17	.....	.....	.....
Leather, tanned, curried, and finished.....	1,398	2	67	1,193	116	20	.....	.....	.....
Lime.....	410	6	.....	94	1	127	132	.....	.....
Liquors, distilled.....	193	.....	.....	111	5	67	8	2	.....
Liquors, malt.....	1,296	1,215	.....	21	41	10	3	4	2
Liquors, vinous.....	1,287	33	4	306	215	387	318	23	1
Lumber and timber products.....	22,935	3,859	68	2,709	228	14,732	1,324	15	.....
Marble and stone work.....	1,415	1,022	23	93	223	34	20	.....	.....
Mattresses and spring beds.....	528	249	75	204	.....	.....	.....	.....	.....
Paint and varnish.....	396	28	27	285	55	1	.....	.....	.....
Paper and wood pulp.....	312	.....	.....	.....	.....	181	116	15	.....
Patent medicines and compounds and druggists' preparations.....	310	118	117	66	.....	9	.....	.....	.....
Petroleum, refining.....	930	25	.....	485	31	18	64	22	285
Pottery, terra-cotta, and fire-clay products.....	1,027	18	.....	660	.....	250	99	.....	.....
Printing and publishing.....	7,556	5,485	1,033	778	119	119	17	.....	.....
Salt.....	402	.....	.....	64	.....	289	1	48	.....
Slaughtering and meat packing.....	1,641	55	37	455	.....	1,029	47	6	12
Stoves and furnaces, including gas and oil stoves.....	215	81	42	92	.....	.....	.....	.....	.....
Sulphuric, nitric, and mixed acids.....	217	.....	.....	100	.....	33	82	2	.....
Tobacco manufactures.....	1,465	1,018	152	87	.....	132	25	1	.....
All other industries.....	14,341	1,617	2,069	5,276	1,048	1,974	542	148	1,667

It is evident from these figures that for the majority of wage earners employed in the manufacturing industries of California the usual hours of labor ranged from 54 to 60 a week; 28.1 per cent of the total were, however, employed in establishments where a week of less than 54 hours prevailed, and 8.8 per cent in establishments where the prevailing hours were more than 60 a week.

In a number of industries, conspicuous among which are the tanning, currying, and finishing of leather, the brick and tile industry, and the steam-railroad repair shops, the employment was mainly confined to a week of 54 hours. More than three-fourths of the wage earners

in the canning and preserving industry and more than three-fifths of those in the lumber and slaughtering and meat-packing industries, however, were employed in plants where 60 hours constituted a week's work, while over nine-tenths of the wage earners employed in the breweries and nearly three-fourths of those employed in the printing and publishing industry and in marble and stone work were in establishments where the prevailing hours were 48 or less per week.

Location of establishments.—The following table shows the extent to which the manufactures of California are centralized in cities of 10,000 inhabitants or over. (See Introduction.)

ITEM.	Year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 AND OVER.								DISTRICTS OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 AND OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.		Number or amount.	Per cent of total.
			Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.		
Population	1910	2,377,540	1,266,930	53.3	196,701	8.3	183,045	7.7	886,284	37.3	1,110,619	46.7
	1900	1,485,053	640,357	43.1	98,854	6.7	96,242	6.5	445,261	30.0	844,093	56.9
Number of establishments.....	1909	7,650	4,881	63.7	666	8.7	653	8.5	3,562	46.5	2,778	36.3
	1899	4,997	2,067	59.4	379	7.6	306	6.1	2,282	45.7	2,030	40.6
Average number of wage earners.	1909	115,206	69,599	60.4	8,525	7.4	8,598	7.5	52,476	45.5	45,607	39.6
	1899	77,224	47,953	62.1	4,063	5.3	6,162	8.0	37,728	48.9	29,271	37.9
Value of products.....	1909	\$529,700,528	\$204,851,470	55.7	\$40,393,144	7.6	\$30,488,066	5.8	\$223,970,260	42.3	\$234,909,049	44.3
	1899	257,385,521	151,245,681	58.8	14,225,627	5.5	14,862,891	5.8	122,157,263	47.5	106,139,840	41.2
Value added by manufacture....	1909	204,522,454	125,929,111	61.6	14,791,657	7.2	14,144,347	6.9	96,993,107	47.4	78,593,343	38.4
	1899	92,491,252	60,571,549	65.5	5,223,451	5.6	6,814,012	7.4	48,534,086	52.5	31,919,703	34.5

In 1909, 55.7 per cent of the total value of manufactured products was reported from cities having over 10,000 inhabitants, and 60.4 per cent of the average number of wage earners in manufacturing industries were employed in such cities. The figures indicate that there has been a considerable decrease during the last 10 years in the relative industrial importance of this class of cities, largely on account of the rapid growth of the lumber and petroleum-refining industries, which are mainly carried on outside of cities of this size, and also in part because of the setback given to the manufacturing industries of San Francisco by the earthquake and fire of 1906.

As a result of the increase during the decade in the population of certain cities, the composition of the groups shown in the table differs considerably for the two censuses. For 1909 the group of cities having over 100,000 inhabitants comprises San Francisco, Los Angeles, and Oakland; in 1900, however, the population of Oakland was less than 100,000, so that for 1899 it is included in the group made up of cities having between 25,000 and 100,000 inhabitants. Berkeley, San Diego, and San Jose, which for 1909 are included in this latter group, had less than 25,000 inhabitants in 1900, and for 1899, therefore, their statistics are included with those for the cities having between 10,000 and 25,000 inhabitants. Pasadena, which for 1909 is included in the group of cities having between 25,000 and 100,000 inhabitants and

Long Beach, Riverside, San Bernardino, Bakersfield, Eureka, Santa Barbara, Vallejo, Santa Cruz, Redlands, and Pomona, which are included in the group comprising cities having between 10,000 and 25,000 inhabitants, all had less than 10,000 inhabitants in 1900, so that for 1899 their statistics are not included with those for incorporated places of this size. The total value of products in 1909 for the 11 cities last mentioned was \$16,623,644, representing 3.1 per cent of the total for the state. The cities having a population of over 10,000 in 1900 thus reported only 52.6 per cent of the total value of manufactured products in 1909, as compared with 58.8 per cent in 1899, showing that the growth of the manufacturing industries in these cities has not kept pace with that of the industries in the remainder of the state.

A somewhat larger proportion of the total number of wage earners in manufacturing industries, value of manufactured products, and value added by manufacture was reported in 1909 from cities having between 10,000 and 25,000 inhabitants than in 1899. The proportions of the total number of wage earners and value added by manufacture reported from cities having between 25,000 and 100,000 inhabitants, on the other hand, were slightly smaller, while the proportion of the total value of manufactured products reported from such cities was the same in both years. The cities having a population of over 100,000 show a considerable decrease in their proportion of the

totals for each of these three items, which was doubtless due in considerable measure to the disastrous effects of the earthquake and fire of 1906 in San Francisco. The addition of Oakland to these cities in 1909 and the rapid growth of the manufacturing industries of Los Angeles were, however, sufficient to counterbalance the actual losses sustained by San Francisco between 1904 and 1909, so that the absolute figures for this class of cities show marked increases in 1909 as compared with 1899. Of the total value of products shown for the state in 1909, 7.6 per cent was reported from the 13 cities having between 10,000 and 25,000 inhabitants; 5.8 per cent from the 5 cities having between 25,000 and 100,000 inhabitants; and 42.3 per cent from the 3 cities having over 100,000 inhabitants.

The population in 1910 and 1900 of the 21 cities which had 10,000 inhabitants or over in 1910 is given in the following tabular statement:

CITY.	1910	1900	CITY.	1910	1900
San Francisco.....	418,912	342,782	Long Beach.....	17,809	2,252
Los Angeles.....	319,198	102,479	Riverside.....	15,212	7,973
Oakland.....	150,174	66,900	San Bernardino..	12,779	6,150
Sacramento.....	44,696	29,282	Bakersfield.....	12,727	4,836
Berkeley.....	40,434	13,214	Eureka.....	11,845	7,327
San Diego.....	39,578	17,700	Santa Barbara...	11,659	6,587
Pasadena.....	30,291	9,117	Vallejo.....	11,340	7,965
San Jose.....	28,946	21,500	Santa Cruz.....	11,146	5,659
Fresno.....	24,892	12,470	Redlands.....	10,440	4,797
Alameda.....	23,383	16,494	Pomona.....	10,207	5,526
Stockton.....	23,253	17,506			

The relative industrial importance of each of the foregoing cities is shown in the following table, in which the value of products and the average number of wage earners are shown separately for 1909, 1904, and 1899, so far as comparative figures are available:

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1909	1904	1899	1909	1904	1899
San Francisco.....	28,244	33,429	32,555	\$133,041,069	\$137,788,233	\$107,023,507
Los Angeles.....	17,327	10,424	5,173	68,580,274	34,814,475	15,133,606
Oakland.....	6,905	3,353	2,476	22,342,926	9,014,705	5,368,258
Sacramento ¹	4,514	4,203	3,685	13,976,911	10,072,893	9,494,633
Stockton.....	1,594	1,333	1,185	11,849,252	8,029,490	5,525,391
Fresno ¹	1,938	1,915	819	11,090,195	9,753,632	2,752,201
San Jose.....	1,430	1,280	1,221	5,610,427	4,298,216	3,291,641
San Diego.....	1,071	541	255	4,740,090	1,974,430	669,682
Berkeley.....	1,084	338	211	4,435,374	1,473,888	651,286
Eureka.....	946	(2)	(2)	3,011,682	(2)	(2)
Bakersfield.....	746	(2)	(2)	2,818,744	(2)	(2)
Alameda.....	915	279	372	2,554,417	690,761	1,335,328
Vallejo.....	203	(2)	(2)	1,895,582	(2)	(2)
Pasadena.....	499	318	177	1,724,364	969,695	330,578
San Bernardino..	729	(2)	(2)	1,659,705	(2)	(2)
Riverside.....	267	(2)	(2)	1,177,962	(2)	(2)
Santa Barbara...	265	(2)	(2)	1,169,195	(2)	(2)
Santa Cruz.....	274	(2)	(2)	1,161,269	(2)	(2)
Long Beach.....	277	(2)	(2)	927,180	(2)	(2)
Pomona.....	224	(2)	(2)	559,661	(2)	(2)
Redlands.....	147	(2)	(2)	518,320	(2)	(2)

¹ Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

² Figures not available.

With the single exception of San Francisco, every city for which comparative statistics are presented shows an increase in value of products from 1904 to 1909, while all except Alameda show an increase from 1899 to 1904. The greatest relative gain from 1904 to 1909, 266.6 per cent, was made by Alameda, and was due in part to the establishment there of foundries and

machine shops as a new industry, to the increased output of the planing mills, and to greater activity in the shipbuilding industry. The next largest relative increase, 200.9 per cent, is that reported for Berkeley, which was the result mainly of the increased output of its foundries and machine shops, bakeries, and planing mills, the increased production of coconut oil and the establishment of new industries, such as the manufacture of fertilizers, the refining of petroleum, and the canning and preserving industry. The remarkable increases shown for Alameda and Berkeley and also for Oakland are doubtless due largely to the influx of population and business from San Francisco following the earthquake in 1906. The greatest gains shown for the decade 1899-1909 are those of 607.9 per cent for San Diego and 581 per cent for Berkeley. San Francisco shows a decrease of 3.4 per cent in 1909 as compared with 1904, indicating that the city had not yet recovered from the effects of the earthquake and fire of April, 1906; owing, however, to the gain from 1899 to 1904, the figures for 1909 represent an increase of 24.3 per cent as compared with 1899.

In 1909 San Francisco reported 25.1 per cent of the total value of products and 24.5 per cent of the average number of wage earners for all manufacturing industries in the state. The corresponding proportions for 1899 were 41.6 per cent and 42.2 per cent, respectively. Measured by value of products, San Francisco held sixteenth place among the manufacturing cities of the United States in 1909, thirteenth in 1904, and twelfth in 1899. The effect of the earthquake and fire of 1906 upon the manufacturing industries of the city is indicated to some extent by the next table, which shows for the 15 leading industries presented separately in Table I the value of products in 1909 and 1904, with the percentage which it formed of the total for the industry in the state, the percentage of increase or decrease in 1909 as compared with 1904, and the rank of the industry in the city in value of products in each year.

Six of the 15 industries included in the table show decreases in value of products in 1909 as compared with 1904, the largest decrease, 23.4 per cent, or nearly one-fourth, being in the men's clothing industry, although an even larger decrease, 65.5 per cent, was reported for the paint and varnish industry, which is not shown in the table. The roasting and grinding of coffee and spice, the tanning, currying, and finishing of leather, the furniture and refrigerator industry, and the manufacture of food preparations are the only industries showing any considerable increase. In the case of all of the industries shown in the table, with the exception of the tanning, currying, and finishing of leather and the furniture and refrigerator industry, the value of products reported from San Francisco represented a smaller proportion of the state total in 1909 than in 1904, the difference in

some cases being considerable. Of the total value of products for the men's clothing industry, for example, only 71.9 per cent was reported from this city in 1909, as compared with 91.7 per cent in 1904. Changes have also occurred in the ranking of the different industries shown in the table, on the basis of value of products, although the printing and publishing industry was first in both years. The foundry and machine-shop and the slaughtering and meat-packing industries, which ranked second and third, respectively, in 1904, had changed places in 1909, mainly as the result of the decrease shown for the former industry. The men's clothing industry, which ranked fifth in 1904, had dropped to eighth place in 1909, while the manufacture of copper, tin, and sheet-iron products dropped from seventh place in 1904 to ninth in 1909, and the brewery industry from eighth in 1904 to eleventh in 1909. On the other hand, the rank of the roasting and grinding of coffee and spice, the lumber industry, the tanning, currying, and finishing of leather, and the manufacture of furniture and refrigerators was higher in 1909 than in 1904.

There was a remarkable growth in the building operations of the city from 1904 to 1909, which is reflected in the increases in value of products reported for such industries as the manufacture of artificial stone (268.3 per cent), the structural-ironwork branch of the foundry and machine-shop industry (129.8 per cent), and the planing-mill branch of the lumber industry (18.7 per cent).

The value of products of the manufacturing industries of Los Angeles increased \$33,771,799, or 97 per cent, from 1904 to 1909, the absolute increase being greater than that reported for any other city in the state. The increase for the decade as a whole was 353.2 per cent. Of the total value of manufactures for the state in 1909, 12.9 per cent was reported from this city. The average number of wage earners in the manufacturing industries of the city shows an increase of 66.2 per cent from 1904 to 1909 and 235 per cent for the decade. The leading industries of the city are shown in the following table, which gives the value of products reported for each industry in 1909, together with the percentage which it formed of the total for the industry in the state and the percentage of increase as compared with 1904:

INDUSTRY.	VALUE OF PRODUCTS.					RANK. ¹	
	1909		1904		Per cent of increase, 1904-1909. ²	1909	1904
	Amount.	Per cent of total for state.	Amount.	Per cent of total for state.			
Printing and publishing.....	\$12,201,000	48.7	\$10,847,000	56.7	12.5	1	1
Slaughtering and meat packing.....	10,270,000	30.0	9,209,000	41.8	11.5	2	3
Foundry and machine-shop products.....	9,622,000	36.0	10,525,000	59.8	-8.6	3	2
Bread and other bakery products.....	5,268,000	29.7	4,882,000	46.0	7.9	4	4
Coffee and spice, roasting and grinding.....	4,978,000	76.6	3,980,000	85.0	24.0	5	10
Canning and preserving.....	4,776,000	14.5	4,636,000	17.8	3.0	6	6
Lumber and timber products.....	4,378,000	9.7	3,980,000	11.5	10.0	7	9
Clothing, men's, including shirts.....	3,682,000	71.9	4,804,000	91.7	-23.4	8	5
Copper, tin, and sheet-iron products.....	3,645,000	53.6	4,520,000	76.3	-19.5	9	7
Leather, tanned, curried, and finished.....	3,622,000	98.7	2,718,000	33.7	33.3	10	12
Liquors, malt.....	3,482,000	87.4	4,106,000	54.7	-15.2	11	8
Furniture and refrigerators.....	3,057,000	68.0	1,836,000	04.8	66.5	12	14
Flour-mill and gristmill products.....	2,781,000	11.0	3,423,000	16.9	-18.8	13	11
Food preparations.....	2,436,000	44.2	999,000	02.9	143.8	14	15
Tobacco manufactures.....	1,883,000	54.6	2,028,000	63.5	-9.0	15	13

¹ Excluding from consideration industries not shown separately in Table I.
² A minus sign (-) denotes decrease.

In addition to the industries included in the preceding table, sugar refining was one of the more important industries in San Francisco during 1909, but the statistics for this industry can not be shown separately without disclosing the operations of individual establishments. There were eight other industries in the city reporting products valued at more than \$1,000,000 in 1909 for which separate statistics can not be presented for the same reason.¹

¹ These industries are:

- | | |
|---|--|
| Babbitt metal and solder. | Chocolate and cocoa products. |
| Bags, other than paper. | Gas, illuminating and heating. |
| Baking powders and yeast. | Shipbuilding, including boat building. |
| Cars and general shop construction and repairs by steam-railroad companies. | Wirework, including wire rope and cable. |

INDUSTRY.	VALUE OF PRODUCTS.		
	Amount.	Per cent of state total.	Per cent of increase over 1904.
Foundry and machine-shop products.....	\$7,777,000	29.1	118.6
Slaughtering and meat packing.....	7,464,000	21.8	84.8
Lumber and timber products.....	5,684,000	12.6	110.5
Flour-mill and gristmill products.....	5,347,000	21.2	91.0
Printing and publishing.....	5,192,000	20.7	48.0
Bread and other bakery products.....	4,670,000	20.4	167.8
Cars and general shop construction and repairs by steam-railroad companies.....	3,362,000	18.0	116.9
Liquors, malt.....	1,457,000	15.6	82.6
Butter, cheese, and condensed milk.....	1,417,000	11.1	109.3
Petroleum, refining.....	1,406,000	7.9	205.0
Canning and preserving.....	1,255,000	3.8	52.9
Coffee and spice, roasting and grinding.....	1,150,000	17.7	191.4
Copper, tin, and sheet-iron products.....	1,124,000	16.5	118.2

The rapid growth of the manufacturing industries of the city is brought out clearly by the fact that in 8 out of the 13 industries included in the table the value of products more than doubled during the five-year period.

Oakland ranks third among the cities of the state in value of manufactured products, showing an increase in that respect of \$13,328,221, or 147.8 per cent, from 1904 to 1909 and \$16,974,668, or 316.2 per cent, from 1899 to 1909. The leading industries of the city were bakeries, canning and preserving, the manufacture of cordage and twine, foundries and machine shops, the gas industry, the lumber industry, printing and publishing, steam-railroad repair shops, and steel works and rolling mills. The increase in the industrial importance of the city during the five-year period 1904-1909 was due largely to the growth of the brewery, lumber, foundry and machine-shop, bakery, printing and publishing, and canning and preserving industries, these six

industries contributing 37.4 per cent of the total increase in value of products for all manufacturing industries of the city during that period. The increase in the canning and preserving industry was particularly marked, the value of products for this industry in 1909 being more than 15 times as great as in 1904.

In Sacramento, the capital of the state, steam-railroad repair shops constituted the most important industry, with steel works and rolling mills next in rank. The brewing of malt liquors, the flour-mill and gristmill industry, canning and preserving, and printing and publishing were other important industries. In Stockton the flour-mill and gristmill industry led all others, the value of its products representing nearly one-half of the total value of manufactures reported for the city. The manufacture of agricultural implements was also an important industry, 66.5 per cent of the total value of products for this industry in California being reported from Stockton.

In Fresno the canning and preserving industry, which is there confined largely to the drying of fruits, especially of raisins, was the leading industry in 1909, contributing 69.6 per cent of the total value of all manufactured products of the city. The city is one of the principal centers of the canning and preserving industry of the state, reporting nearly one-fourth of the total value of products for this industry in California and a much larger proportion of the total value of dried fruits. Canning and preserving was also the leading industry in San Jose, the output of the industry representing 31.4 per cent of the total value of all manufactured products for that city. Other important industries were printing and publishing, foundries and machine shops, and bakeries. The most important industries in San Diego were the lumber industry, flour mills and gristmills, slaughtering and meat packing, printing and publishing, and bakeries.

The foundry and machine-shop industry outranked all others in Berkeley in 1909, the value of its products in that year being nearly 121 times that in 1904. Other leading industries, named in order of their relative importance, were the manufacture of coconut oil included under "Oil, not elsewhere specified," the fertilizer industry, and bakeries. The chief industry in Alameda was shipbuilding, this city reporting nearly one-fourth of the total value of products for this industry in the state. The lumber and the foundry and machine-shop industries, and the manufacture of pottery, terra-cotta, and fire-clay products were other important industries. In Eureka the

lumber industry was the leading branch of manufacture in 1909, contributing nearly one-half of the total value of manufactured products reported for the city. This city also reported a considerable output of factory-made butter.

In the remaining cities shown in the table the chief industries were as follows: In Bakersfield and San Bernardino, steam-railroad repair shops; in Vallejo and Long Beach, flour mills and gristmills; in Pasadena, the planing-mill branch of the lumber industry; in Riverside and Santa Barbara, slaughtering and meat packing; in Santa Cruz, the tanning, currying, and finishing of leather; and in Pomona and Redlands, canning and preserving.

Character of ownership.—The table on page 687 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 the statistics for several important industries from this table and the one following.

The most important distinction shown is that between corporate and all other forms of ownership. In all industries combined, 32.1 per cent of the total number of establishments were in 1909 under corporate ownership, as against 67.9 per cent under all other forms. The corresponding figures for 1904 were 28 per cent and 72 per cent, respectively. The establishments operated by corporations, however, reported 82.9 per cent of the total value of products in 1909, as against 17.1 per cent for those under all other forms of ownership, while in 1904 the corresponding figures were 76.5 per cent and 23.5 per cent, respectively. The greatest decrease in relative importance from 1904 to 1909 is shown for the establishments operated by individuals, which represented 45.9 per cent of the total number of establishments in 1909, as compared with 49.3 per cent in 1904, although the actual number increased from 3,375 to 3,516 during the same five-year period.

Establishments under corporate ownership reported more than one-half of the total value of products for each industry shown separately in the table, with the exception of the bakery industry, although in all but three of the industries such establishments constituted less than one-half of the total number.

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.
ALL INDUSTRIES:					Flour-mill and gristmill products, 1909				
1909	7,659	115,296	\$529,760,528	\$204,522,454	Individual	125	948	\$25,188,133	\$3,296,182
1904	6,839	100,855	367,218,494	151,492,080	Individual	33	109	2,471,416	275,900
Individual:					Firm	21	51	951,061	114,920
1909	3,516	12,764	49,909,595	23,760,907	Corporation ¹	71	788	21,765,656	2,005,284
1904	3,375	15,257	47,300,887	24,693,085	Per cent of total	100.0	100.0	100.0	100.0
Firm:					Individual	26.4	11.5	9.8	8.4
1909	1,597	9,342	36,539,495	15,624,296	Firm	16.8	5.4	3.8	3.5
1904	1,472	10,527	37,343,541	16,371,024	Corporation ¹	56.8	83.1	86.4	88.1
Corporation:					Other	129	716	\$5,508,097	\$1,537,799
1909	2,459	92,757	439,064,967	164,048,735	Individual	44	165	596,491	245,077
1904	1,917	74,284	280,742,589	109,966,122	Firm	42	147	991,646	289,221
Other:					Corporation	36	392	3,361,175	983,829
1909	87	433	4,186,471	1,088,516	Other	7	12	558,785	18,072
1904	75	287	1,831,477	461,849	Per cent of total	100.0	100.0	100.0	100.0
Per cent of total:					Individual	34.1	23.0	10.8	16.0
1909	100.0	100.0	100.0	100.0	Firm	32.6	20.5	18.0	18.8
1904	100.0	100.0	100.0	100.0	Corporation	27.9	54.7	61.0	64.0
Individual:					Other	5.4	1.7	10.1	1.2
1909	45.9	11.1	9.4	11.6	Foundry and machine-shop products, 1909				
1904	49.3	15.2	12.9	16.3	Individual	543	8,377	\$26,730,891	\$13,830,000
Firm:					Individual	207	995	2,794,226	1,647,244
1909	20.9	8.1	6.9	7.6	Firm	118	694	2,017,447	1,201,107
1904	21.5	10.5	10.2	10.8	Corporation	218	218	21,919,218	10,981,649
Corporation:					Per cent of total	100.0	100.0	100.0	100.0
1909	32.1	80.5	82.9	80.2	Individual	38.1	11.9	10.5	11.9
1904	28.0	74.0	76.5	72.6	Firm	21.7	8.3	7.5	8.7
Other:					Corporation	40.1	79.8	82.0	79.4
1909	1.1	0.4	0.8	0.5	Liquors, malt, 1909				
1904	1.1	0.3	0.5	0.3	Individual	83	1,290	\$9,319,041	\$6,759,560
Bread and other bakery products, 1909					Individual	34	92	471,784	330,680
Individual	864	4,018	\$17,709,633	\$7,332,268	Firm	5	11	85,518	51,606
Individual	624	1,633	7,526,828	3,164,475	Corporation	44	1,193	8,761,739	6,377,274
Firm	189	952	4,103,140	1,746,388	Per cent of total	100.0	100.0	100.0	100.0
Corporation ¹	51	1,433	6,079,665	2,421,405	Individual	41.0	7.1	5.1	4.9
Per cent of total	100.0	100.0	100.0	100.0	Firm	6.0	0.8	0.9	0.8
Individual	72.2	40.6	42.5	43.2	Corporation	53.0	92.1	94.0	94.3
Firm	21.9	23.7	23.2	23.8	Liquors, vinous, 1909				
Corporation ¹	5.9	35.7	34.3	33.0	Individual	181	1,287	\$5,936,848	\$4,282,907
Butter, cheese, and condensed milk, 1909					Individual	85	232	1,245,037	566,841
Individual	161	597	\$12,760,670	\$1,620,970	Firm	26	95	561,333	272,714
Individual	52	155	2,263,798	351,602	Corporation ¹	70	960	7,130,473	3,423,352
Firm	28	51	994,872	153,344	Per cent of total	100.0	100.0	100.0	100.0
Corporation	55	313	7,356,944	852,541	Individual	47.0	18.0	13.9	13.3
Other	20	78	2,145,656	263,483	Firm	14.4	7.4	6.3	6.4
Per cent of total	100.0	100.0	100.0	100.0	Corporation ¹	38.7	74.6	79.8	80.3
Individual	32.3	26.0	17.7	21.7	Lumber and timber products, 1909				
Firm	17.4	8.5	7.8	9.5	Individual	644	22,935	\$45,009,276	\$28,631,376
Corporation	34.2	52.4	57.7	52.6	Individual	199	1,412	3,453,706	1,842,575
Other	16.1	13.1	16.8	16.3	Firm	149	1,118	3,029,374	1,748,532
Canning and preserving, 1909					Corporation ¹	296	20,405	38,517,196	23,040,269
Individual	196	7,757	\$32,814,829	\$8,905,607	Per cent of total	100.0	100.0	100.0	100.0
Individual	43	578	1,660,264	601,530	Individual	30.9	6.2	7.7	6.9
Firm	34	383	1,613,248	428,489	Firm	23.1	4.9	6.7	6.6
Corporation ¹	119	6,796	29,641,317	7,875,588	Corporation ¹	46.0	89.0	85.6	86.5
Per cent of total	100.0	100.0	100.0	100.0	Printing and publishing, 1909				
Individual	21.9	7.5	5.0	6.8	Individual	1,240	7,556	\$25,031,877	\$18,704,574
Firm	17.3	4.9	4.9	4.8	Individual	709	1,885	6,762,762	5,142,337
Corporation ¹	60.7	87.6	90.1	88.4	Firm	194	719	1,812,749	1,398,227
Clothing, men's, including shirts, 1909					Corporation	296	4,874	15,871,045	11,718,276
Individual	74	2,385	\$5,120,509	\$2,225,613	Other	41	78	585,321	445,734
Individual	29	164	380,008	193,383	Per cent of total	100.0	100.0	100.0	100.0
Firm	24	559	1,187,147	500,814	Individual	57.2	24.9	27.0	27.5
Corporation	21	1,662	3,553,204	1,531,416	Firm	15.6	9.5	7.2	7.5
Per cent of total	100.0	100.0	100.0	100.0	Corporation	23.9	64.5	63.4	62.6
Individual	39.2	6.9	7.4	8.7	Other	3.3	1.0	2.3	2.4
Firm	32.4	23.4	23.2	22.5	Slaughtering and meat packing, 1909				
Corporation	28.4	69.7	69.4	68.8	Individual	94	1,641	\$34,280,003	\$5,831,946
Copper, tin, and sheet-iron products, 1909					Individual	33	155	4,276,592	611,509
Individual	233	1,938	\$6,803,761	\$3,238,905	Firm	34	171	4,444,852	546,152
Individual	106	406	1,425,547	768,283	Corporation	27	1,315	25,558,559	4,674,285
Firm	74	266	958,869	530,745	Per cent of total	100.0	100.0	100.0	100.0
Corporation	53	1,266	4,419,345	1,939,877	Individual	35.1	9.4	12.5	10.5
Per cent of total	100.0	100.0	100.0	100.0	Firm	36.2	10.4	13.0	9.4
Individual	45.5	20.9	21.0	23.7	Corporation	28.7	80.1	74.6	80.1
Firm	31.8	13.7	14.1	16.4	Printing and publishing, 1909				
Corporation	22.7	65.3	65.0	59.9	Individual	1,240	7,556	\$25,031,877	\$18,704,574

¹ Includes the group "Other," to avoid disclosure of individual operations.

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 table on the following page 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 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.
ALL INDUSTRIES:					Copper, tin, and sheet-iron products, 1909.				
1909.....	7,659	115,296	\$529,760,528	\$204,522,454	Less than \$5,000.....	233	1,938	\$6,803,781	\$3,238,905
1904.....	6,839	100,365	367,218,494	151,492,080	\$5,000 and less than \$20,000.....	64	67	182,744	120,083
Less than \$5,000:					\$20,000 and less than \$100,000.....	107	338	1,050,415	607,141
1909.....	2,169	2,067	5,610,748	3,795,404	\$100,000 and less than \$1,000,000.....	50	619	2,174,242	1,114,065
1904.....	2,088	2,242	5,306,470	3,034,402	Per cent of total.....	12	924	3,396,360	1,307,618
\$5,000 and less than \$20,000:					Less than \$5,000.....	100.0	100.0	100.0	100.0
1909.....	2,785	10,279	20,208,047	17,546,524	\$5,000 and less than \$20,000.....	27.5	2.9	2.7	3.7
1904.....	2,507	10,574	26,190,138	15,902,865	\$20,000 and less than \$100,000.....	45.9	17.4	15.4	18.7
\$20,000 and less than \$100,000:					\$100,000 and less than \$1,000,000.....	21.5	31.9	32.0	34.4
1909.....	1,807	24,913	82,114,420	40,743,591	\$1,000,000 and over.....	5.2	47.7	49.9	43.2
1904.....	1,615	25,111	72,176,276	37,594,307	Average per establishment.....	8		\$29,201	\$13,901
\$100,000 and less than \$1,000,000:					Flour-mill and gristmill products, 1909.				
1909.....	767	53,128	210,723,384	86,922,761	Less than \$5,000.....	125	948	\$25,188,133	\$3,296,182
1904.....	598	47,912	168,273,161	99,162,483	\$5,000 and less than \$20,000.....	5	7	18,973	4,793
\$1,000,000 and over:					\$20,000 and less than \$100,000.....	24	37	297,193	56,086
1909.....	71	24,909	202,103,629	55,514,114	\$100,000 and less than \$1,000,000.....	40	107	1,980,546	283,421
1904.....	31	14,516	105,272,449	26,197,973	\$1,000,000 and over.....	45	531	13,925,443	1,755,824
Per cent of total:					Average per establishment.....	5	206	8,965,978	1,186,058
1909.....	100.0	100.0	100.0	100.0	Less than \$5,000.....	100.0	100.0	100.0	100.0
1904.....	100.0	100.0	100.0	100.0	\$5,000 and less than \$20,000.....	4.0	0.7	0.1	0.1
Less than \$5,000:					\$20,000 and less than \$100,000.....	19.2	3.9	1.2	1.7
1909.....	28.3	1.8	1.1	1.9	\$100,000 and less than \$1,000,000.....	36.8	11.3	7.9	8.0
1904.....	30.5	2.2	1.4	2.4	\$1,000,000 and over.....	36.0	56.0	55.3	63.8
\$5,000 and less than \$20,000:					Average per establishment.....	4.0		28.1	36.0
1909.....	36.4	8.9	5.5	8.6	Less than \$5,000.....	129	716	\$5,508,097	\$1,537,799
1904.....	36.7	10.5	7.1	10.5	Less than \$5,000.....	41	26	73,436	39,433
\$20,000 and less than \$100,000:					\$5,000 and less than \$20,000.....	86	142	471,090	236,043
1909.....	24.4	21.6	15.5	19.9	\$20,000 and less than \$100,000.....	39	280	1,741,154	543,499
1904.....	28.6	25.0	19.7	24.8	\$100,000 and less than \$1,000,000.....	13	208	3,222,417	718,924
\$100,000 and less than \$1,000,000:					Per cent of total.....	100.0	100.0	100.0	100.0
1909.....	10.0	40.1	39.8	42.5	Less than \$5,000.....	24.0	3.6	1.3	2.6
1904.....	8.7	47.7	43.1	45.7	\$5,000 and less than \$20,000.....	35.7	19.8	8.6	15.3
\$1,000,000 and over:					\$20,000 and less than \$100,000.....	30.2	39.1	31.6	35.3
1909.....	0.9	21.6	38.2	27.1	\$100,000 and less than \$1,000,000.....	10.1	37.4	58.5	46.8
1904.....	0.5	14.5	28.7	16.6	Average per establishment.....	6		\$42,098	\$11,921
Average per establishment:					Less than \$5,000.....	543	8,377	\$26,730,891	\$3,830,000
1909.....	15		\$69,108	\$26,704	Less than \$5,000.....	113	127	303,583	201,046
1904.....	15		53,095	22,161	\$5,000 and less than \$20,000.....	220	998	2,302,406	1,561,066
Bread and other bakery products, 1909.					\$20,000 and less than \$100,000.....	154	2,302	6,850,049	3,903,122
Less than \$5,000.....	864	4,018	\$17,709,633	\$7,332,268	\$100,000 and less than \$1,000,000.....	53	3,627	13,248,304	6,120,991
\$5,000 and less than \$20,000.....	224	119	648,234	302,401	\$1,000,000 and over.....	3	1,323	3,920,040	2,043,175
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,133	Less than \$5,000.....	25.9	3.0	3.7	4.1
Average per establishment.....	21	1,400	6,180,186	2,422,600	\$5,000 and less than \$20,000.....	52.8	25.8	26.9	28.7
Per cent of total.....	100.0	100.0	100.0	100.0	\$20,000 and less than \$100,000.....	18.9	34.7	34.6	34.1
Less than \$5,000.....	25.9	3.0	3.7	4.1	\$100,000 and less than \$1,000,000.....	2.4	36.5	34.9	33.0
\$5,000 and less than \$20,000.....	52.8	25.8	26.9	28.7	Average per establishment.....	5		\$20,497	\$8,486
\$20,000 and less than \$100,000.....	18.9	34.7	34.6	34.1	Butter, cheese, and condensed milk, 1909.				
\$100,000 and less than \$1,000,000.....	2.4	36.5	34.9	33.0	Less than \$5,000.....	161	597	\$12,760,670	\$1,620,970
Average per establishment.....	5		\$20,497	\$8,486	Less than \$5,000.....	17	8	59,438	13,063
Bread and other bakery products, 1909.					\$5,000 and less than \$20,000.....	35	39	425,101	79,942
Less than \$5,000.....	864	4,018	\$17,709,633	\$7,332,268	\$20,000 and less than \$100,000.....	75	135	3,475,990	481,903
\$5,000 and less than \$20,000.....	224	119	648,234	302,401	\$100,000 and less than \$1,000,000.....	34	365	8,800,181	1,045,402
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,133	Less than \$5,000.....	10.6	1.3	0.5	0.8
Average per establishment.....	21	1,400	6,180,186	2,422,600	\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9
Per cent of total.....	100.0	100.0	100.0	100.0	\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7
Less than \$5,000.....	10.6	1.3	0.5	0.8	\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5
\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9	Average per establishment.....	4		\$79,259	\$10,068
\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7	Butter, cheese, and condensed milk, 1909.				
\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5	Less than \$5,000.....	161	597	\$12,760,670	\$1,620,970
Average per establishment.....	4		\$79,259	\$10,068	Less than \$5,000.....	17	8	59,438	13,063
Bread and other bakery products, 1909.					\$5,000 and less than \$20,000.....	35	39	425,101	79,942
Less than \$5,000.....	864	4,018	\$17,709,633	\$7,332,268	\$20,000 and less than \$100,000.....	75	135	3,475,990	481,903
\$5,000 and less than \$20,000.....	224	119	648,234	302,401	\$100,000 and less than \$1,000,000.....	34	365	8,800,181	1,045,402
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,133	Less than \$5,000.....	10.6	1.3	0.5	0.8
Average per establishment.....	21	1,400	6,180,186	2,422,600	\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9
Per cent of total.....	100.0	100.0	100.0	100.0	\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7
Less than \$5,000.....	10.6	1.3	0.5	0.8	\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5
\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9	Average per establishment.....	4		\$79,259	\$10,068
\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7	Butter, cheese, and condensed milk, 1909.				
\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5	Less than \$5,000.....	161	597	\$12,760,670	\$1,620,970
Average per establishment.....	4		\$79,259	\$10,068	Less than \$5,000.....	17	8	59,438	13,063
Bread and other bakery products, 1909.					\$5,000 and less than \$20,000.....	35	39	425,101	79,942
Less than \$5,000.....	864	4,018	\$17,709,633	\$7,332,268	\$20,000 and less than \$100,000.....	75	135	3,475,990	481,903
\$5,000 and less than \$20,000.....	224	119	648,234	302,401	\$100,000 and less than \$1,000,000.....	34	365	8,800,181	1,045,402
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,133	Less than \$5,000.....	10.6	1.3	0.5	0.8
Average per establishment.....	21	1,400	6,180,186	2,422,600	\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9
Per cent of total.....	100.0	100.0	100.0	100.0	\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7
Less than \$5,000.....	10.6	1.3	0.5	0.8	\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5
\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9	Average per establishment.....	4		\$79,259	\$10,068
\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7	Butter, cheese, and condensed milk, 1909.				
\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5	Less than \$5,000.....	161	597	\$12,760,670	\$1,620,970
Average per establishment.....	4		\$79,259	\$10,068	Less than \$5,000.....	17	8	59,438	13,063
Bread and other bakery products, 1909.					\$5,000 and less than \$20,000.....	35	39	425,101	79,942
Less than \$5,000.....	864	4,018	\$17,709,633	\$7,332,268	\$20,000 and less than \$100,000.....	75	135	3,475,990	481,903
\$5,000 and less than \$20,000.....	224	119	648,234	302,401	\$100,000 and less than \$1,000,000.....	34	365	8,800,181	1,045,402
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,133	Less than \$5,000.....	10.6	1.3	0.5	0.8
Average per establishment.....	21	1,400	6,180,186	2,422,600	\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9
Per cent of total.....	100.0	100.0	100.0	100.0	\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7
Less than \$5,000.....	10.6	1.3	0.5	0.8	\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5
\$5,000 and less than \$20,000.....	21.7	6.5	3.3	4.9	Average per establishment.....	4		\$79,259	\$10,068
\$20,000 and less than \$100,000.....	40.6	31.0	27.2	29.7	Butter, cheese, and condensed milk, 1909.				
\$100,000 and less than \$1,000,000.....	21.1	61.1	69.0	64.5	Less than \$5,000.....	161	597	\$12,760,670	\$1,620,970
Average per establishment.....</									

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.
Printing and publishing, 1909 ..	1,240	7,556	\$25,031,877	\$13,704,574	Slaughtering and meat packing, 1909 ..	94	1,641	\$34,280,003	\$5,831,946
Less than \$5,000	584	510	1,491,046	1,202,496	Less than \$5,000	4	5	13,204	4,824
\$5,000 and less than \$20,000	451	1,532	4,420,462	3,526,771	\$5,000 and less than \$20,000	14	28	149,063	68,781
\$20,000 and less than \$100,000	164	2,465	6,072,722	5,026,255	\$20,000 and less than \$100,000	34	100	1,740,518	343,754
\$100,000 and less than \$1,000,000 ¹	41	3,049	12,447,647	8,949,052	\$100,000 and less than \$1,000,000	33	374	10,328,186	1,431,046
Per cent of total	100.0	100.0	100.0	100.0	\$1,000,000 and over	9	1,134	22,039,432	3,983,541
Less than \$5,000	47.1	6.7	6.0	6.4	Per cent of total	100.0	100.0	100.0	100.0
\$5,000 and less than \$20,000	36.4	20.3	17.7	18.9	Less than \$5,000	4.3	0.3	(²)	0.1
\$20,000 and less than \$100,000	13.2	32.6	26.7	26.9	\$5,000 and less than \$20,000	14.9	1.7	0.4	1.2
\$100,000 and less than \$1,000,000 ¹	3.3	40.4	49.7	47.8	\$20,000 and less than \$100,000	36.2	6.1	5.1	5.9
Average per establishment	6		\$20,187	\$15,084	\$100,000 and less than \$1,000,000	35.1	22.8	30.1	24.5
					\$1,000,000 and over	9.6	69.1	64.3	68.8
					Average per establishment	17		\$364,681	\$62,042

¹ Includes the group "\$1,000,000 and over."

² Less than one-tenth of 1 per cent.

This table shows that of the 7,659 manufacturing establishments in the state in 1909 only 71, or nine-tenths of 1 per cent, had a value of products exceeding \$1,000,000. These establishments, however, employed an average of 24,909 wage earners, or 21.6 per cent of the total number in all establishments, and reported 38.2 per cent of the total value of products and 27.1 per cent of the total value added by manufacture.

On the other hand, the very small establishments—that is, those having products valued at less than \$5,000—constituted a considerable proportion (28.3 per cent) of the total number of establishments, but the value of their products amounted to only 1.1 per cent of the total. The bulk of the manufacturing was done in establishments having products valued at not less than \$100,000.

During the five years from 1904 to 1909 there was a considerable increase in the relative importance, as measured by value of products, of the largest establishments—those reporting products of not less than \$1,000,000 in value—and a decrease in that of the remaining classes.

The fact that between 1904 and 1909 the average value of products per establishment increased from \$53,695 to \$69,168, and the value added by manufacture from \$22,151 to \$26,704, can not be taken as in itself indicating a tendency toward concentration. The increased values shown may be, and probably are, due in part, at least, to the general rise that has taken place in the prices of commodities. The average number of wage earners per establishment was 15 both in 1909 and in 1904.

The table shows further that when the size of establishments is measured by the average value of products per establishment the bakery industry, the manufacture of copper, tin, and sheet-iron products, and printing and publishing are conducted chiefly in rather small establishments, while the canning and

preserving, flour-mill and gristmill, brewery, and slaughtering and meat-packing industries are conducted mainly in comparatively large establishments.

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 table on page 690 shows, for 1909, such a classification for all industries combined and for 20 important industries individually, and gives not only the number of establishments falling into each group but also the average number of wage earners employed.

Of the 7,659 establishments reported for all manufacturing industries, 11.5 per cent employed no wage earners; 53.8 per cent employed from 1 to 5; 22.3 per cent, from 6 to 20; and 6.9 per cent, from 21 to 50. The most numerous single group consists of the 4,123 establishments employing from 1 to 5 wage earners, and the next of the 1,708 establishments employing from 6 to 20. There were 74 establishments that employed over 250 wage earners; 4 of these establishments, of which 2 were lumber mills and 2 steam-railroad repair shops, employed over 1,000 each.

Of the total number of wage earners, 60.6 per cent were in establishments employing over 50 wage earners each. The single group having the largest number of wage earners was the group comprising the establishments employing from 251 to 500. This group employed an aggregate of 20,103 wage earners, or 17.4 per cent of the total. Of the individual industries listed in the table but not in the preceding one, the steam-railroad repair shops, the manufacture of cement, the gas industry, the tanning, currying, and finishing of leather, and the refining of petroleum are industries in which comparatively large establishments do most of the business, as appears from the classification according to the 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.										
All industries.....	7,659	882	4,123	1,708	526	212	134	56	14	4
Bread and other bakery products.....	864	130	585	124	16	4	4	1		4
Butter, cheese, and condensed milk.....	161	14	118	26	3					
Canning and preserving.....	196	4	37	58	51	20	13	4		
Cars and general shop construction and repairs by steam-railroad companies.....	42		2	10	5	4	9	7	3	2
Cement.....	8						3			
Clothing, men's, including shirts.....	74	5	26	23	8	6	4	2		
Coffee and spice, roasting and grinding.....	44		27	13	3	1				
Copper, tin, and sheet-iron products.....	233	21	143	52	9	7		1		
Flour-mill and gristmill products.....	125	6	78	28	11	2				
Food preparations.....	129	11	86	25	7					
Foundry and machine-shop products.....	543	23	266	174	44	24	9	2	1	
Gas, illuminating and heating.....	74		38	27	3	3	1	2		
Leather, tanned, curried, and finished.....	40		10	11	10	6	3			
Liquors, distilled.....	33	5	21	5	1	1				
Liquors, malt.....	83	6	38	23	10	5	1			
Liquors, vinous.....	181	2	138	33	5	1	2			
Lumber and timber products.....	644	13	278	179	95	35	26	15	3	2
Petroleum, refining.....	29		6	18	3			2		
Printing and publishing.....	1,240	843	648	180	42	10	10	1		
Slaughtering and meat packing.....	94	5	51	25	6	4	1	2		
All other industries.....	2,822	294	1,527	674	194	64	48	17	4	
AVERAGE NUMBER OF WAGE EARNERS.										
All industries.....	115,296	9,844	18,672	16,854	15,374	19,873	20,103	9,092	5,484	
Bread and other bakery products.....	4,018	1,278	1,143	515	252	504	321			
Butter, cheese, and condensed milk.....	597	227	290	80						
Canning and preserving.....	7,757	96	701	1,798	2,009	1,918	1,175			
Cars and general shop construction and repairs by steam-railroad companies.....	9,342	7	123	218	201	1,396	2,444	2,028	2,925	
Cement.....	2,407	6				656		1,745		
Clothing, men's, including shirts.....	2,385	79	277	241	451	572	765			
Coffee and spice, roasting and grinding.....	352	72	141	80	59					
Copper, tin, and sheet-iron products.....	1,938	329	535	277	512		285			
Flour-mill and gristmill products.....	948	174	283	333	168					
Food preparations.....	716	202	255	258						
Foundry and machine-shop products.....	8,377	713	1,969	1,445	1,749	1,178	808	515		
Gas, illuminating and heating.....	1,666	106	299	87	252	171	751			
Leather, tanned, curried, and finished.....	1,398	27	163	328	424	456				
Liquors, distilled.....	193	41	54	27	71					
Liquors, malt.....	1,296	90	295	332	453	125				
Liquors, vinous.....	1,287	352	321	164	60	390				
Lumber and timber products.....	22,935	689	1,973	2,957	2,645	4,001	5,911	2,200	2,559	
Petroleum, refining.....	930	16	211	76			627			
Printing and publishing.....	7,556	1,505	1,961	1,347	1,113	1,369	201			
Slaughtering and meat packing.....	1,641	128	277	157	306	111	602			
All other industries.....	37,557	3,707	7,394	6,134	4,599	7,026	6,093	2,604		
PER CENT OF AVERAGE NUMBER OF WAGE EARNERS.										
All industries.....	100.0	8.5	16.2	14.6	13.3	17.2	17.4	7.9	4.8	
Bread and other bakery products.....	100.0	31.8	28.6	12.8	6.3	12.5	8.0			
Butter, cheese, and condensed milk.....	100.0	38.0	48.6	13.4						
Canning and preserving.....	100.0	1.2	9.0	23.2	26.7	24.7	15.1			
Cars and general shop construction and repairs by steam-railroad companies.....	100.0	0.1	1.3	2.3	2.2	14.9	26.2	21.7	31.3	
Cement.....	100.0	0.2				27.3		72.5		
Clothing, men's, including shirts.....	100.0	3.3	11.6	10.1	18.9	24.0	32.1			
Coffee and spice, roasting and grinding.....	100.0	20.5	40.1	22.7	16.8					
Copper, tin, and sheet-iron products.....	100.0	17.0	27.6	14.3	26.4		14.7			
Flour-mill and gristmill products.....	100.0	18.4	29.9	35.1	16.7					
Food preparations.....	100.0	28.2	35.8	36.0						
Foundry and machine-shop products.....	100.0	8.5	23.5	17.2	20.9	14.1	9.6	6.1		
Gas, illuminating and heating.....	100.0	6.4	17.9	5.2	15.1	10.3	45.1			
Leather, tanned, curried, and finished.....	100.0	1.9	11.7	23.5	30.3	32.6				
Liquors, distilled.....	100.0	21.2	28.0	14.0	36.8					
Liquors, malt.....	100.0	6.9	22.8	25.6	35.0	9.6				
Liquors, vinous.....	100.0	27.4	24.9	12.7	4.7	30.3				
Lumber and timber products.....	100.0	3.0	8.6	12.9	11.5	17.4	25.8	9.6	11.2	
Petroleum, refining.....	100.0	1.7	22.7	8.2			67.4			
Printing and publishing.....	100.0	19.9	26.0	17.8	14.7	18.1	3.6			
Slaughtering and meat packing.....	100.0	7.8	16.9	9.6	18.6	6.8	40.3			
All other industries.....	100.0	9.9	19.7	16.3	12.2	18.7	16.2	6.9		

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 next table shows, in percentages, for 1909, 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, page 706.

The table shows that, for all industries combined, 68.3 per cent of the total expenses were incurred for materials, 22.5 per cent for services—that is, salaries and wages—and but 9.2 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. The flour-mill and gristmill industry shows a higher percentage for materials

(92.2) and the distillery industry a lower percentage (16.7) than any other industry presented separately. The printing and publishing industry shows the highest percentage for services (48.8), while in the case of this item also the lowest percentage is that shown for the distillery industry (3.7). The high proportions which "miscellaneous expenses" represent of the total in the case of the distillery and brewery industries are due to the inclusion under this head of the internal-revenue tax. This tax, particularly in the case of the distillery industry, swells the item of "miscellaneous expenses" to such an extent as to cause abnormally small proportions to be shown for the other items of expense.

and but 7.6 per cent in 1899. The proportion for 1909 is larger than for any other state in the Union.

INDUSTRY.	PER CENT OF TOTAL EXPENSES REPORTED.			
	Salaries.	Wages.	Materials.	Miscellaneous expenses.
All industries.....	4.8	17.7	68.3	9.2
Bread and other bakery products.....	4.3	20.0	67.5	8.2
Butter, cheese, and condensed milk.....	1.7	3.8	91.3	3.2
Canning and preserving.....	3.5	11.1	77.4	7.9
Cars and general shop construction and repairs by steam-railroad companies.....	2.0	44.8	51.0	2.1
Cement.....	4.4	37.4	49.5	8.7
Clothing, men's, including shirts.....	4.4	22.8	62.7	10.2
Coffee and spice, roasting and grinding.....	8.8	4.1	76.5	10.6
Copper, tin, and sheet-iron products.....	5.3	27.6	59.4	7.7
Flour-mill and gristmill products.....	2.2	3.1	92.2	2.6
Food preparations.....	4.6	8.1	79.6	7.7
Foundry and machine-shop products.....	7.5	29.9	52.7	10.0
Gas, illuminating and heating.....	12.6	21.6	39.9	28.0
Leather, tanned, curried, and finished.....	2.4	11.2	80.2	6.1
Liquors, distilled.....	1.1	2.6	16.7	79.6
Liquors, malt.....	7.2	18.3	33.6	40.9
Liquors, vinous.....	5.8	9.2	63.3	21.7
Lumber and timber products.....	5.5	38.5	45.2	10.7
Petroleum, refining.....	2.3	5.1	87.9	4.7
Printing and publishing.....	18.2	30.6	30.1	21.1
Slaughtering and meat packing.....	1.7	4.1	90.2	3.9
All other industries.....	4.3	14.9	74.0	6.8

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.			PER CENT DISTRIBUTION OF HORSEPOWER.		
	1909	1904	1899 ¹	1909	1904	1899 ¹	1909	1904	1899
Primary power, total.....	14,249	8,313	2,874	329,100	210,369	128,953	100.0	100.0	100.0
Owned.....	3,447	3,313	2,874	211,341	108,474	114,723	64.2	80.1	90.4
Steam.....	2,520	2,408	2,158	198,526	163,178	105,190	58.8	72.8	82.9
Gas.....	765	689	645	10,115	6,292	3,244	3.1	3.0	2.6
Water wheels.....	115	137	171	7,390	6,965	4,650	2.2	3.3	3.7
Water motors.....	47	79	(*)	280	295	(*)	0.1	0.1	(*)
Other.....				30	1,744	1,609	(*)	0.8	1.3
Rented.....	10,802	(*)	(*)	117,759	41,885	12,230	35.8	19.9	9.6
Electric.....	10,802	(*)	(*)	116,537	39,363	9,624	35.4	18.7	7.6
Other.....				1,222	2,522	2,606	0.4	1.2	2.1
Electric motors.....	12,393	658	281	143,684	49,575	15,762	100.0	100.0	100.0
Run by current generated by establishment.....	1,591	658	281	27,147	10,212	6,138	18.9	20.6	38.9
Run by rented power.....	10,802	(*)	(*)	116,537	39,363	9,624	81.1	79.4	61.1

¹ Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.
² Not reported. * Less than one-tenth of 1 per cent.

The use of electric motors for the purpose of applying the power generated within the establishments is shown to be rapidly becoming more common, the horsepower of such motors having increased from 6,138 in 1899 to 10,212 in 1904 and 27,147 in 1909.

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.....	4,421	43,165	113,665	76,323	8,883,015	302,548
Bread and other bakery products.....	54	692	137	8,000	92,659	39,421
Butter, cheese, and condensed milk.....	65	347	.....	7,269	27,119	820
Canning and preserving.....	83	1,797	.....	3,529	141,958	12,816
Cars and general shop construction and repairs by steam-railroad companies.....	14	4,705	17	1,257	316,874	23,620
Cement.....					891,130	
Clothing, men's, including shirts.....	4	24	.....	3	1,321	1,909
Coffee and spice, roasting and grinding.....		17	132	.....	2,912	18,445
Copper, tin, and sheet-iron products.....	15	154	207	107	1,180	5,644
Flour-mill and gristmill products.....	55	471	.....	871	150,634	.....
Food preparations.....	65	322	311	521	13,309	5,526
Foundry and machine-shop products.....	1,178	3,915	15,629	1,066	75,852	20,032
Gas, illuminating and heating.....		300	.....		9,205,961	600
Leather, tanned, curried, and finished.....	232	2,297	.....	717	45,322	.....
Liquors, distilled.....		21	.....	590	48,019	.....
Liquors, malt.....	50	430	204	2,121	179,279	330
Liquors, vinous.....	95	268	.....	3,875	68,500	.....
Lumber and timber products.....	26	389	.....	13,285	40,216	23,607
Petroleum, refining.....			.....		1,286,606	.....
Printing and publishing.....	98	751	.....	482	3,018	33,586
Slaughtering and meat packing.....	108	294	32	1,501	153,290	990
All other industries.....	2,279	25,971	96,996	30,220	3,131,799	115,202

NOTE.—In addition, there were 15,164 tons of other varieties of fuel reported.

The most notable fact shown by the table is the large amount of oil and the small amounts of nearly all the other kinds of fuel used. The larger part of this oil is crude oil used as fuel in the generation of steam power, but increasing quantities of refined oil are being used in internal-combustion engines.

Engines and power.—The next 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.

The table indicates that from 1904 to 1909 there was an increase of 118,741 horsepower, or 56.4 per cent, in the total power used in manufactures, while from 1899 to 1904 the increase was 83,406 horsepower, or 65.7 per cent. Of the total increase from 1904 to 1909, 40,348 horsepower was in that generated by steam engines and 77,174 horsepower in rented electric power. The more general use of gas engines is shown, there being 765 such engines, with an indicated capacity of 10,115 horsepower, reported in 1909, as against 689 engines, with 6,292 horsepower, in 1904, and 545 engines, with 3,244 horsepower, in 1899. Water wheels showed a decrease in number but an increase in total horsepower. The figures also show that the practice of renting electric power is increasing rapidly, 35.4 per cent of the total power being rented electric power in 1909, as against 18.7 per cent in 1904

SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

(With statistics for laundries and custom gristmills.)

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

Lumber and timber products.—In the following tabular statement is shown the production of rough lumber, lath, and shingles in California for the census years 1909 and 1899:

PRODUCT.	QUANTITY.	
	1909	1899
Rough lumber.....M feet b. m.	1,143,507	737,035
Lath.....thousands..	32,615	11,507
Shingles.....thousands..	574,342	650,090

During the decade from 1899 to 1909 the output of rough lumber in California increased 55.1 per cent and that of lath 183.4 per cent, while the production of shingles decreased 11.7 per cent. The period of most rapid growth in the industry was from 1899 to 1904, when the output of lumber increased 46.2 per cent. The woods which supply the raw material are almost exclusively conifers, the hardwood cut in 1909, practically all of which was California or tan-bark oak, forming only one-fifth of 1 per cent of the total lumber production during the year. A total of 521,630 M feet board measure, or more than 45.6 per cent of the lumber output in 1909, was California redwood, a species of timber which does not occur in saw-log size outside of California. Chief among the other species sawed into lumber in 1909 were western pine, with a production of 364,748 M feet board measure, Douglas fir, with a production of 88,852 M feet, and sugar pine, with a production of 88,822 M feet.

A noteworthy peculiarity of the lumber industry in the state is the fact that the manufacture of shingles, while carried on to some extent in connection with that of lumber, nevertheless amounts practically to a separate and distinct industry. Over 88 per cent of the shingle output of the state for 1909 was manufactured from redwood, which timber possesses in very high degree the qualities most desirable in shingle material.

Slaughtering and meat packing.—The next table gives the quantity and cost of the various materials used in this industry and the quantity and value of the various products, for 1909, 1904, and 1899.

From 1904 to 1909 the number of beeves slaughtered increased 81,901, or 31.5 per cent; that of calves, 38,244, or 88.7 per cent; that of sheep, 81,484, or 8.2 per cent; and that of hogs, 30,234, or 9.6 per cent. The rate of increase in the cost of the animals slaugh-

tered was much higher than that in the number slaughtered.

MATERIAL OR PRODUCT.	1909	1904	1899
Materials used, total cost.....	\$28,448,057	\$18,751,744	\$13,616,305
Beeves slaughtered:			
Number.....	341,617	259,716	174,113
Cost.....	\$14,348,274	\$9,735,012	\$6,017,752
Calves slaughtered:			
Number.....	81,344	43,100	28,531
Cost.....	\$930,781	\$412,044	\$280,958
Sheep slaughtered:			
Number.....	1,071,998	990,514	695,058
Cost.....	\$4,436,865	\$3,284,003	\$2,197,362
Hogs slaughtered:			
Number.....	344,319	314,085	228,075
Cost.....	\$4,339,254	\$2,891,467	\$1,989,208
Dressed meat, purchased.....	\$2,088,065	\$1,439,004	\$1,897,969
Fuel and rent of power.....	\$184,764	\$85,889	\$76,162
All other materials.....	\$2,120,054	\$903,735	\$1,157,894
Products, total value.....	\$34,280,003	\$22,012,756	\$15,817,282
Beef, fresh:			
Pounds.....	186,315,779	140,301,980	93,818,021
Value.....	\$13,820,710	\$9,135,302	\$5,972,469
Beef, salted or cured:			
Pounds.....	1,455,480	2,388,927	2,512,762
Value.....	\$137,792	\$171,362	\$173,331
Veal, fresh:			
Pounds.....	12,077,330	6,470,074	3,064,808
Value.....	\$1,104,763	\$481,602	\$320,705
Mutton, fresh:			
Pounds.....	44,220,813	38,021,994	20,605,967
Value.....	\$4,215,624	\$3,089,546	\$2,173,934
Pork, fresh:			
Pounds.....	32,204,886	22,796,629	18,315,565
Value.....	\$3,472,610	\$1,821,101	\$1,424,794
Pork, salted or cured:			
Pounds.....	13,964,304	23,183,338	28,795,334
Value.....	\$2,805,763	\$2,732,575	\$2,878,851
Sausage, fresh or cured.....	\$935,408	\$606,125	\$216,023
All other fresh meat:			
Pounds.....	3,435,527	350,000	2,295,977
Value.....	\$216,755	\$171,500	\$191,283
Lard:			
Pounds.....	6,644,167	8,312,632	4,181,112
Value.....	\$339,623	\$635,500	\$390,620
Tallow, oleo stock, and stearin:			
Pounds.....	11,363,156	(1)	(1)
Value.....	\$604,712	(1)	(1)
Fertilizers and fertilizer materials:			
Tons.....	6,062	3,325	1,570
Value.....	\$162,609	\$67,669	\$37,328
Hides:			
Number.....	374,278	272,042	201,444
Pounds.....	21,134,504	14,875,503	10,221,853
Value.....	\$2,710,097	\$1,465,939	\$960,324
Palts:			
Number.....	1,070,801	990,514	(1)
Value.....	\$742,098	\$742,499	(1)
Wool:			
Pounds.....	1,707,577	180,000	117,710
Value.....	\$430,967	\$51,100	\$23,742
All other products, including amount received for custom or contract work.....	\$2,530,592	\$964,886	\$1,108,798

¹ Figures not available.

With the exception of salted and cured beef and salted and cured pork, all the meat products show increases in value and, so far as figures are given, in quantity from 1904 to 1909, as well as from 1899 to 1904. The largest absolute gain in quantity during the more recent five-year period, 46,013,780 pounds, is shown for fresh beef, while the largest relative gain, 881.6 per cent, was in "All other fresh meat." The percentages of increase in value were generally greater than those in quantity, owing to the higher prices of meats that prevailed in 1909. One of the most interesting facts brought out by the table is the increasing production of fresh pork and the decreasing production of salted and cured pork. In 1899 the output of salted and cured pork was over one and one-half times that of fresh pork, while in 1909 the output of the latter was nearly two and one-third times that of the former.

The output of lard decreased in quantity, but increased in value from 1904 to 1909, while the value in 1909 of the products included under the head of "All other products" was nearly three times that in 1904, owing in a measure to the increased production of lard substitutes. The number of hides reported increased 102,236, or 37.6 per cent, from 1904 to 1909, and their value \$1,244,158, or 84.9 per cent.

Canning and preserving.—Although this industry in California dates from about 1875, its real importance and development did not commence until several years later. The value of its products, which in 1889 was \$6,621,931, more than doubled during each of the two following decades, amounting in 1909 to \$32,914,829. The quantity and value of the products, by classes, are given in the table in the next column for 1909, 1904, and 1899.

The case, which is used as the unit of measure for canned fruits and canned vegetables in the table, consists of 24 standard-size cans—No. 2 (also called 2-pound cans) for beans, peas, berries, cherries, and plums, and No. 3 (also called 3-pound cans) for all other fruits and vegetables. Where the output of fruits and vegetables has been reported in other forms by the canneries, the quantities so reported have been reduced to standard cases, as above specified.

California ranks first among the states in the production of canned asparagus, apricots, peaches, and pears, and of dried peaches and prunes; second in the production of canned sardines; and sixth in that of canned tomatoes. The state had a complete monopoly of the production of dried apricots and of raisins in the United States in 1909, neither of these products being reported from any other state.

The value of dried fruits constituted 49 per cent of the total value of products of the industry in 1909, as compared with 52.9 per cent in 1904 and 19.5 per cent in 1899. The increase in the value of the dried-fruit products during the decade 1899–1909 was 454.3 per cent, the greatest advance being from 1899 to 1904, when the gain was 374 per cent. The most important of the dried-fruit products, both in point of quantity and of value, were raisins and prunes. California reported the total output of raisins in the United States in 1909, as already stated, and 85.7 per cent of the total value of dried prunes produced.

Canned fruits, the second group of products in importance in respect to value, decreased in relative importance during both five-year periods, although the value of the output has remained approximately the same. The proportion which the value of this class of products formed of the total for the industry was 22 per cent in 1909, 26.8 per cent in 1904, and 49.1 per cent in 1899. The value of the output in 1909 shows an increase of \$270,259, or 3.9 per cent, as compared with 1904; this increase, however, was not sufficient to make up for the decrease from 1899 to

1904, so that a decrease of \$91,717, or 1.2 per cent, is shown for the decade as a whole. The fruit most largely canned in 1909 was peaches, the value of which constituted 9.2 per cent of the total reported for the canning and preserving industry.

The value of the vegetables canned increased throughout the period covered by the table, the rate of increase from 1904 to 1909 being much higher than that during the preceding five-year period. The value of canned asparagus formed over half of the value of all canned vegetables reported for the state in 1909.

PRODUCT.	1909	1904	1899
Total value	\$32,914,829	\$26,083,226	\$14,940,882
Canned vegetables	\$3,470,621	\$2,366,661	\$2,274,037
Asparagus—			
Cases.....	197,592		
Value.....	\$1,794,346		
Beans—			
Cases.....	47,505	65,641	34,209
Value.....	\$37,059	\$139,494	\$50,797
Peas—			
Cases.....	123,349	68,142	72,760
Value.....	\$250,624	\$144,033	\$145,987
Pumpkins—			
Cases.....	10,941	18,852	1,033
Value.....	\$15,165	\$30,156	\$1,860
Tomatoes—			
Cases.....	536,837	541,776	794,566
Value.....	\$1,120,632	\$846,805	\$2,068,997
All other—			
Cases.....	64,480	286,172	148
Value.....	\$202,795	\$1,213,173	\$396
Canned fruits	\$7,248,342	\$6,978,083	\$7,340,059
Apples—			
Cases.....	67,710	91,286	25,287
Value.....	\$136,855	\$67,691	\$71,427
Apricots—			
Cases.....	627,701	532,038	531,568
Value.....	\$1,819,568	\$1,619,767	\$1,682,927
Berries—			
Cases.....	95,092	67,467	87,664
Value.....	\$171,995	\$168,640	\$218,783
Cherries—			
Cases.....	224,084	171,298	49,375
Value.....	\$401,676	\$457,169	\$156,813
Peaches—			
Cases.....	1,149,690	744,715	903,676
Value.....	\$3,013,203	\$2,640,624	\$3,103,775
Pears—			
Cases.....	433,796	524,197	444,343
Value.....	\$1,316,022	\$1,677,823	\$1,610,900
Plums—			
Cases.....	138,995	193,379	358,298
Value.....	\$230,384	\$349,307	\$596,484
All other—			
Cases.....	20,013	54,215	
Value.....	\$68,750	\$97,272	
Dried fruits:			
Pounds.....	399,726,550	300,308,919	53,637,883
Value.....	\$16,137,716	\$13,800,601	2,911,620
Apples—			
Pounds.....	6,860,170	811,254	3,087,220
Value.....	\$481,173	\$40,659	\$165,893
Apricots—			
Pounds.....	29,205,569	19,559,673	5,310,217
Value.....	\$2,277,177	\$1,410,838	\$442,644
Peaches—			
Pounds.....	46,827,391	25,845,364	5,502,390
Value.....	\$2,422,043	\$1,701,106	\$301,495
Prunes—			
Pounds.....	118,917,876	114,580,431	24,102,329
Value.....	\$4,594,922	\$3,169,878	\$907,041
Raisins—			
Pounds.....	111,774,767	121,469,881	14,984,221
Value.....	\$4,837,933	\$6,349,381	1,062,268
All other—			
Pounds.....	26,140,777	18,102,416	601,506
Value.....	\$1,724,468	\$1,128,740	\$42,279
Fish and oysters:			
Pounds.....	12,657,233	16,582,300	11,238,460
Value.....	\$1,166,881	\$1,011,222	\$796,637
Canned fish:			
Sardines—			
Pounds.....	1,980,364	860,000	388,708
Value.....	\$238,607	\$78,000	\$78,860
All other—			
Pounds.....	2,286,610	5,300,923	3,480,416
Value.....	\$387,601	\$378,624	\$262,808
Smoked fish—			
Pounds.....	100,900	739,537	225,000
Value.....	\$14,680	\$71,088	\$9,000
Salted fish—			
Pounds.....	8,289,359	9,681,840	7,144,336
Value.....	\$515,993	\$483,610	\$445,969
All other products	4,901,269	\$1,928,659	\$1,618,629

The canning and curing of fish and the canning of oysters and clams, constitute, in California, a minor branch of the canning and preserving industry. Of the 196 establishments reported for the industry in 1909, 15 canned or cured fish and canned oysters; 2 others canned oysters; and 1 canned clams. Sardines were the chief kind of fish canned, salmon was the leading variety smoked, and cod was the principal species salted.

It is worthy of note that over half of the value of products reported for the industry in the state in 1909 was returned by eight corporations having 38 plants which were reported as 33 establishments.

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

PRODUCT.	1909	1904	1899
Total value.....	\$25,188,133	\$20,202,542	\$13,045,260
Wheat flour:			
White—			
Barrels.....	1,774,958	2,408,358	
Value.....	\$10,209,567	\$10,479,131	2,653,035
Graham—			\$7,928,449
Barrels.....	30,290	31,141	
Value.....	\$166,134	\$132,540	
Corn meal and corn flour:			
Barrels.....	50,969	52,254	92,356
Value.....	\$222,399	\$215,845	\$215,213
Rye flour:			
Barrels.....	9,214	22,733	14,582
Value.....	\$45,145	\$105,946	\$43,041
Buckwheat flour:			
Pounds.....	133,328	352,382	552,000
Value.....	\$4,514	\$12,763	\$19,572
Hominy and grits:			
Pounds.....	736,669	987,983	3,097,560
Value.....	\$20,937	\$53,905	\$30,335
Feed:			
Tons.....	336,431	228,069	111,944
Value.....	\$10,402,069	\$5,979,376	\$2,242,136
Offals:			
Tons.....	79,643	99,070	84,107
Value.....	\$2,056,372	\$2,057,448	\$1,155,775
All other products.....	\$2,000,996	\$1,185,598	\$1,403,639

Measured by value, the most important single product in 1909 was feed, the output of which more than trebled in quantity and considerably more than quadrupled in value during the decade 1899–1909. The greatest relative gains in both quantity and value, and the largest absolute gain in quantity, were from 1899 to 1904, but the largest absolute increase in value was from 1904 to 1909. Much of the feed made in California was from barley, the crop of which in 1909 was over four times as great as the wheat crop and exceeded the combined yield of all other cereals in the state.

Wheat flour was the second product in importance in 1909, having been displaced from first place since 1904 by feed. The output of this product decreased during both five-year periods, while its value increased from 1899 to 1904 and decreased slightly from 1904 to 1909. The proportion which the value of wheat flour formed of the total for all flour-mill and gristmill products in the state decreased from 60.8 per cent in 1899 to 52.5 per cent in 1904 and 41.2 per cent in 1909. These decreases are in a measure due to the in-

creasing quantities of wheat used in the manufacture of food preparations, the total value of which was \$5,508,000 in 1909, or nearly three and one-half times that in 1904.

The output of all other products shown separately in the table decreased in both quantity and value between 1904 and 1909, with the exception of corn meal and corn flour, for which a slight increase in value was reported.

The following tabular statement classifies the mills reporting wheat flour in 1909 and 1904 according to their output:

OUTPUT.	NUMBER OF MILLS.	
	1909	1904
Total.....	66	83
Less than 1,000 barrels.....	12	3
1,000 barrels but less than 5,000.....	22	31
5,000 barrels but less than 20,000.....	19	22
20,000 barrels but less than 100,000.....	0	18
100,000 barrels and over.....	4	4

The number of pairs of rolls in use in the industry increased from 1,146 in 1899 to 1,415 in 1904, but decreased to 1,215 in 1909. The number of runs of stone and steel burrs decreased from 148 in 1899 to 88 in 1904 and 57 in 1909.

Printing and publishing.—The number and the aggregate circulation of the different classes of newspapers and periodicals reported in 1909, 1904, and 1899 are shown in the following tabular statement:

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1909	1904	1899	1909	1904	1899
Total.....	854	845	656	3,025,250	2,627,234	1,448,656
Daily.....	166	143	117	902,752	669,556	475,596
Sunday.....	36	36	34	616,916	598,167	(1)
Semiweekly.....	237	223	23	44,866	28,600	23,822
Weekly.....	495	487	397	730,424	769,155	618,146
Monthly.....	105	124	71	619,000	622,526	194,782
All other classes.....	15	22	14	110,402	39,230	136,300

¹ Included in circulation of dailies.
² Includes six triweekly publications.
³ Includes two triweekly publications.

The total number of publications and their aggregate circulation increased much more rapidly from 1899 to 1904 than from 1904 to 1909. The gain in number during the earlier five-year period, 1899–1904, was 189, and that in circulation 1,178,578, while during the five-year period following the corresponding increases were 9 and 398,016, respectively. The class of publications having the largest circulation in 1909 was the dailies, while in 1904 and in 1899 the weeklies had the largest circulation. The dailies also show the most pronounced absolute increase in circulation from 1904 to 1909, while the circulation of the weeklies decreased slightly during the same period. Of the 166 daily newspapers published in 1909, 65, with an aggregate circulation of 457,289, were morning papers.

The increase shown for the more recent five-year period in the circulation of the publications included under the head of "All other classes" was due to the fact that a religious periodical of large circulation which was not classed as a periodical in 1904 was reported as a quarterly in 1909, and to the inclusion in 1909 of a semimonthly agricultural magazine which was not reported in 1904. This class, in 1909, included six semimonthly, five bimonthly, and four quarterly publications.

The number and aggregate circulation of the different classes of newspapers and periodicals printed respectively in English and in foreign languages are shown in the following table:

PERIOD OF ISSUE.	TOTAL.		IN ENGLISH.		IN FOREIGN LANGUAGES. ¹	
	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.	Number.	Aggregate circulation per issue.
Total.....	854	3,025,250	800	2,890,686	54	134,564
Daily.....	160	902,752	153	854,119	13	48,633
Sunday.....	36	616,916	32	592,913	4	24,003
Semiweekly and triweekly.....	37	44,856	35	40,156	2	4,700
Weekly.....	495	730,424	465	694,246	30	36,178
Monthly.....	105	619,900	101	599,600	4	20,300
Quarterly.....	4	60,277	4	60,277	.....	21,050
All other classes.....	11	50,125	10	49,375	1	.....

¹ Including those publications which were printed in English and also in one or more foreign languages.

Of the 13 dailies printed in foreign languages, 6 were printed in Japanese, 3 in Chinese, 2 in Italian, and 1 each in German and in French, while 3 of the 4 Sunday editions were in Japanese, and the other was in German. Both the semiweekly and the triweekly were in Italian, 3 of the 4 monthlies were in Portuguese and the other in Swedish, while the bimonthly periodical shown under the head of "All other classes" was in Armenian and English. Of the 30 weekly publications in foreign languages, 8 were printed in German, 6 in Italian, 5 in Portuguese, 3 in Spanish, 2 each in French and in Greek, and 1 each in Danish, Swedish, Croatian, and Servian. Of the 16 newspapers and periodicals in Japanese reported for the United States in 1909, 9 were published in California.

Petroleum, refining.—In the production of crude petroleum California leads all other states in the Union, and its refineries were supplied entirely from the native product. In 1909 the output of crude oil in the state was reported as 54,433,010 barrels, valued at \$30,675,267, these figures representing 29.9 per cent of the total quantity and 23.9 per cent of the total value of crude oil produced in the United States. A large part of the California oils are heavy and useful mainly for the production of asphalt, as they have an asphaltum rather than a paraffin basis. The total number of refineries in the state increased from 4 in 1899 to 19 in 1904 and 29 in 1909.

The following table shows the quantity and cost of materials used in the refineries of the state, the quantity and value of the principal products, and the main equipment reported for 1909, 1904, and 1899:

MATERIAL, PRODUCT, AND EQUIPMENT.	1909	1904	1899
Materials used, total cost.....	\$13,897,721	\$4,130,809	\$489,989
Crude petroleum:			
Barrels (42 gallons).....	13,481,085	4,369,600	339,893
Cost.....	\$10,105,341	\$3,431,754	\$405,150
Containers.....	\$856,804	\$131,404	\$8,400
All other materials.....	\$2,935,486	\$567,651	\$75,439
Products, total value.....	\$17,878,006	\$5,748,598	\$697,877
Oils:			
Illuminating—			
Barrels (50 gallons).....	1,728,863	647,934	45,849
Value.....	\$5,047,759	\$2,023,738	\$170,066
Fuel (including gas oils)—			
Barrels.....	3,931,366	781,215	84,240
Value.....	\$3,862,603	\$618,178	\$98,237
Lubricating—			
Barrels.....	186,672	54,018	2,052
Value.....	\$1,137,661	\$221,760	\$10,262
Naphtha and gasoline (including gas naphtha)—			
Barrels.....	628,804	238,015	57,995
Value.....	\$3,256,209	\$926,063	\$201,209
All other products.....	\$4,573,774	\$1,958,859	\$218,103
Equipment:			
Stills, number.....	237	106	37
Heated by steam—			
Number.....	28	14	9
Capacity (barrels of 42 gallons).....	4,934	(¹)	(¹)
Heated by superheated steam—			
Number.....	1	.....	6
Capacity (barrels of 42 gallons).....	200	.....	(¹)
Heated by fire—			
Number.....	208	92	22
Capacity (barrels of 42 gallons).....	156,939	(¹)	(¹)
Agitators, number.....	66	47	7
Hydraulic or other presses, number.....	7	2	2
Storage tanks:			
For crude petroleum—			
Number.....	165	43	12
Capacity, gallons.....	29,037,397	12,439,724	(¹)
For refined petroleum—			
Number.....	636	375	62
Capacity, gallons.....	55,413,386	49,410,383	(¹)
Cooper shops, number.....	8	11	2
Tin shops, number.....	1	2	1

¹ Figures not available.

The output of fuel oils (including gas oils) refined in 1909 was greater than the combined output of all other products shown separately, forming 60.7 per cent of the total output of oils. The corresponding proportion for 1904 was 43.8 per cent and for 1899, 44.3 per cent. The fuel oils produced in California represented 11.6 per cent of the total output of fuel oils in the United States in 1909. Illuminating oils, the next product in importance, show a decided increase from census to census. The proportion which this latter class of oils formed of the total output of oils increased from 24.1 per cent in 1899 to 38.8 per cent in 1904, but decreased to 26.7 per cent in 1909.

In addition to the products shown separately in the table, a number of other products were reported, the most important being oil asphaltum, the output of which in 1909 was 139,473 tons of 2,000 pounds. No comparative figures, however, are available, as prior to 1909 this product was not reported separately. There was a great increase from 1899 to 1904 in the quantity of residuum or tar reported, but in 1909 the amount was very much reduced. Considerable quantities of

fuel and other distillates and some liquid asphalt were also reported in 1909.

The great increase in the industry is also reflected in the increase in equipment, such as stills, storage tanks, and agitators.

Butter, cheese, and condensed milk.—While this industry shows a decided increase in value of products for each of the five-year periods covered by the table, the number of establishments, as shown in Table I, page 698, though increasing considerably from 1899 to 1904, decreased 42.7 per cent from 1904 to 1909. The decrease is due entirely to a change in the manner of conducting the industry. In 1904 there were a number of local creameries which have since been abandoned or else are now used simply as collecting depots, from which the milk and cream are shipped to large central plants. In 1909 only one establishment in the industry was engaged primarily in the manufacture of condensed milk, whereas six were reported as so engaged in 1904 and two in 1899.

The following table gives the quantity and value of the chief products for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
Total value	\$12,760,670	\$7,820,937	\$3,582,942
Butter:			
Pounds.....	37,283,450	26,837,386	13,147,137
Value.....	\$11,644,463	\$6,640,845	\$2,854,632
Packed solid—			
Pounds.....	7,764,696	3,070,637	2,083,262
Value.....	\$2,388,265	\$742,920	\$534,478
Prints or rolls—			
Pounds.....	29,518,754	23,766,749	10,163,875
Value.....	\$9,256,188	\$5,897,916	\$2,270,154
Cream sold:			
Pounds.....	2,674,825	921,334	1,036,600
Value.....	\$411,473	\$132,277	\$120,283
Cheese, full cream:¹			
Pounds.....	1,567,640	3,601,051	2,676,543
Value.....	\$252,582	\$425,231	\$279,125
All other products	\$452,162	\$622,584	\$328,902

¹ Includes, in 1909, 123,000 pounds of part-cream cheese, valued at \$13,296; in 1904, 174,005 pounds of "other kinds," valued at \$26,375; and, in 1899, 251,838 pounds of "other kinds," valued at \$34,615.

The total quantity of butter manufactured in the state during 1909 was 37,283,450 pounds, an increase of 38.9 per cent as compared with 1904 and of 183.6 per cent as compared with 1899. The value of butter represented 91.3 per cent of the total value of all products reported for the industry in 1909, as compared with 84.9 per cent in 1904 and 79.7 per cent in 1899. Although by far the largest part of the butter manufactured was in prints and rolls, there were large relative increases from 1904 to 1909 in the quantity and value of butter packed solid, amounting to 152.9 per cent and 221.5 per cent, respectively.

The output of cheese increased decidedly in both quantity and value from 1899 to 1904, but the totals shown for 1909 were less than those presented for 1899. These decreases are no doubt due in part to the increasing practice of separating the cream on the farm, as it is now more profitable to sell the separated cream to the butter factories. The greater profit resulting from the sale of milk to the dealers in the

cities may also have been a factor in the decrease referred to.

Leather, tanned, curried, and finished.—The quantity and cost of the materials used and the quantity and value of the principal products reported for this industry are shown separately for 1909, 1904, and 1899 in the following table:

MATERIAL OR PRODUCT.	1909	1904	1899
Materials used, total cost	\$7,039,453	\$5,912,140	\$5,809,428
Cattle hides:			
Number.....	611,421	634,417	585,186
Cost.....	\$4,300,834	\$3,528,424	\$3,207,562
Calf and kip skins:			
Number.....	113,449	107,834	122,167
Cost.....	\$302,613	\$138,172	\$138,507
Goatskins:			
Number.....	20,724	20,022	27,052
Cost.....	\$10,501	\$13,814	\$12,000
Sheepskins:			
Number.....	1,328,712	1,510,067	1,381,579
Cost.....	\$926,139	\$829,275	\$890,014
All other skins:			
Number.....	82,047	112,720	196,319
Cost.....	\$77,921	\$82,774	\$147,280
Rough leather, purchased	\$44,020	\$118,160	\$434,214
All other materials	\$1,377,425	\$1,206,521	\$979,851
Products, total value	\$9,366,545	\$8,072,257	\$7,405,931
Leather	\$3,237,323	\$7,190,516	\$6,559,492
Sole—			
Sides.....	472,236	575,393	550,063
Value.....	\$3,100,226	\$2,971,579	\$2,532,988
Oak—			
Sides.....	420,716	575,393	550,063
Value.....	\$2,940,734	\$2,971,579	\$2,532,988
Chrome—			
Sides.....	42,520	.....	.....
Value.....	\$159,492	.....	.....
Upper, other than calf or kip skins... (Grain, satin, pebble, etc. (side leather)—	\$112,601	\$102,303	\$150,473
Sides.....	24,268	22,780	60,603
Value.....	\$83,776	\$69,080	\$139,572
Finished splits—			
Number.....	42,600	83,832	7,520
Value.....	\$23,325	\$32,623	\$10,901
Horsehides—			
Number.....	9,427	3,000	.....
Value.....	\$34,757	\$12,000	.....
Calf and kip skins, tanned and finished—			
Number.....	127,852	106,571	122,152
Value.....	\$408,957	\$241,728	\$195,124
Flesh—			
Number.....	5,583	68,688	85,000
Value.....	\$16,084	\$142,749	\$141,529
Grain—			
Number.....	122,269	37,883	37,152
Value.....	\$392,373	\$98,979	\$53,695
Goatskins—			
Number.....	10,360	3,000	6,400
Value.....	\$24,294	\$12,000	\$6,040
Sheepskins, tanned and finished—			
Number.....	601,802	1,012,816	1,135,250
Value.....	\$237,476	\$341,262	\$318,900
Harness—			
Sides.....	383,264	339,041	379,323
Value.....	\$2,571,122	\$1,904,647	\$1,970,755
Glove	\$733,587	\$530,480	\$525,507
Rough leather sold	\$210,051	\$352,799	\$309,405
All other	\$804,252	\$727,118	\$544,290
All other products	\$1,090,436	\$867,855	\$843,710
Amount received for work on materials for others.....	\$38,786	\$7,886	\$2,789

Untanned cattle hides constituted the principal material at each census, their value forming 61.1 per cent of the total reported for all materials in 1909, as against 59.7 per cent in 1904 and 55.2 per cent in 1899. The number of hides used increased 8.4 per cent from 1899 to 1904, but decreased slightly from 1904 to 1909. The number of calf and kip skins used in 1909 was somewhat larger than in 1904, and the number of goatskins also shows a slight increase; large decreases were, however, reported in the number of sheepskins and of the skins included under the head

of "All other skins." Each kind of skins used shows a decrease in 1909 as compared with 1899. There was also a pronounced decrease during the decade in both the quantity and cost of leather purchased in the rough for currying.

Measured by value, the most important individual class of products at each of the three censuses was oak sole leather, the output of which increased slightly in both quantity and value from 1899 to 1904, but decreased in both respects during the period from 1904 to 1909. The product next in importance was harness leather, which shows a decrease in both quantity and value of output from 1899 to 1904, but an increase in both respects during the next five years. Pronounced increases from 1904 to 1909 are shown for tanned and finished grain calf and kip skins, while decided decreases during the same period are shown for tanned and finished sheepskins and in the value of rough leather sold.

Laundries.—Statistics for steam laundries are not included in the general tables, or in the totals for manufacturing industries. In 1909 there were 321 such establishments in California, 87 of which were in San Francisco, 41 in Oakland, 31 in Los Angeles, and 10 in Sacramento.

The following statement summarizes the statistics:

Number of establishments.....	321
Persons engaged in the industry.....	9,060
Proprietors and firm members.....	308
Salaried employees.....	714
Wage earners (average number).....	8,038
Primary horsepower.....	8,961
Capital.....	\$6,295,915
Expenses.....	8,177,759
Services.....	5,260,743
Materials.....	1,612,112
Miscellaneous.....	1,304,904
Amount received for work done.....	9,541,795

Of the 321 establishments reporting, 146 were operated by individuals, 66 by firms, and 109 by corporations. Sixty-five establishments had receipts for the year's business of less than \$5,000; 130, receipts of \$5,000 but less than \$20,000; 107, receipts of \$20,000 but less than \$100,000; and 19, receipts of \$100,000 but less than \$1,000,000.

The number of wage earners employed each month and the percentage which this number represented of the greatest number employed in any month were as shown in the next table.

MONTH.	WAGE EARNERS.		MONTH.	WAGE EARNERS.	
	Number.	Per cent of maximum.		Number.	Per cent of maximum.
January.....	7,632	91.2	July.....	8,366	100.0
February.....	7,560	90.4	August.....	8,277	98.9
March.....	7,828	93.6	September.....	8,350	99.8
April.....	7,911	94.6	October.....	8,209	98.1
May.....	7,985	95.4	November.....	8,118	97.0
June.....	8,107	96.9	December.....	8,116	97.0

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.
Primary power, total.....		8,961
Owned:		
Steam.....	202	7,504
Gas.....	3	15
Water wheels.....	5	150
Water motor.....	1	10
Rented:		
Electric.....	235	1,224
Other.....		58

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

KIND.	Unit.	Quantity.
Anthracite coal.....	Tons.....	222
Bituminous coal.....	Tons.....	2,646
Coke.....	Tons.....	19
Wood.....	Cords.....	3,496
Oil.....	Barrels.....	270,910
Gas.....	1,000 feet.....	50,267

Custom sawmills and gristmills.—Statistics for custom gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the following summary. Statistics can not be shown for custom sawmills without disclosing the operations of the one establishment reported.

	Custom gristmills.
Number of establishments.....	12
Persons engaged in the industry.....	28
Proprietors and firm members.....	9
Salaried employees.....	4
Wage earners (average number).....	15
Primary horsepower.....	518
Capital.....	\$65,411
Expenses.....	525,697
Services.....	11,668
Materials.....	1,503,559
Miscellaneous.....	10,475
Value of products.....	1,672,597

¹ Includes estimate of all grain ground.

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

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY.	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).							
STATE—All industries	1909	7,659	141,576	8,077	18,203	115,296	329,100	\$537,134	\$22,955	\$84,142	\$325,238	\$529,761	\$204,523
	1904	6,839	120,040	7,402	12,283	100,355	210,359	282,647	14,399	64,657	215,726	367,218	161,492
	1899	4,997			6,877	77,224	126,953	175,468	7,495	39,890	164,894	257,386	92,492
Agricultural implements.....	1909	25	749	19	108	622	1,186	2,359	123	451	1,441	2,670	1,229
	1904	25	585	19	87	479	583	2,240	99	349	724	1,484	700
	1899	20	655	12	81	562	689	1,852	75	322	539	1,358	819
Artificial stone.....	1909	66	434	71	43	320	247	448	36	239	220	643	423
	1904	22	227	19	28	180	87	262	20	122	130	329	199
Automobiles, including bodies and parts.	1909	41	589	50	61	478	305	701	71	368	700	1,470	770
	1904	6	21	4	3	14	32	49	5	10	13	36	23
Babbitt metal and solder.....	1909	5	81		29	52	91	547	67	40	847	1,120	273
	1904	4	57	3	17	37	72	256	29	27	590	721	131
	1899	4	46	4	8	34		170	11	23	464	551	87
Boots and shoes, including cut stock and findings.	1909	18	840	76	69	695	369	1,192	89	402	1,120	1,924	804
	1904	24	817	59	50	708	246	1,157	51	389	1,000	1,734	734
	1899	24	1,151	88	63	1,000		1,262	56	460	1,103	1,862	750
Boxes, fancy and paper.....	1909	19	703	10	69	624	405	731	86	271	442	965	523
	1904	10	478	12	33	433	105	420	36	152	241	524	283
	1899	13	330	20	14	296		153	11	96	134	329	195
Brass and bronze products.....	1909	29	259	28	36	195	261	338	42	181	205	679	384
	1904	22	405	21	50	388	223	780	76	200	321	940	619
	1899	16	391	19	27	345		779	34	210	400	811	411
Bread and other bakery products.....	1909	864	5,801	1,077	706	4,018	2,517	8,056	663	3,075	10,377	17,710	7,333
	1904	615	3,808	737	293	2,778	898	3,327	214	1,991	5,756	10,610	4,863
	1899	359	2,165	423	194	1,548		1,665	110	836	2,624	4,877	2,253
Brick and tile.....	1909	78	1,879	35	141	1,703	8,972	9,169	162	1,146	652	2,756	1,804
	1904	69	1,504	46	101	1,357	5,067	3,929	102	825	335	1,910	1,581
	1899	56	825	60	45	720		1,205	43	333	166	834	698
Butter, cheese, and condensed milk....	1909	161	918	119	202	597	2,496	2,829	202	406	11,140	12,761	1,021
	1904	281	997	269	125	603	3,026	2,107	78	414	6,460	7,821	1,361
	1899	178	629	137	90	402		1,157	47	203	2,981	3,583	662
Canning and preserving.....	1909	196	8,714	148	809	7,757	7,453	18,316	1,080	3,454	24,009	32,915	8,006
	1904	230	8,510	160	611	7,739	4,685	11,187	797	2,800	18,655	26,083	7,423
	1899	133			349	8,200		5,511	344	2,257	10,145	14,941	4,796
Carriages and wagons and materials....	1909	155	1,015	185	70	760	957	1,035	74	610	840	2,052	1,203
	1904	198	1,277	243	49	980	782	1,730	51	715	852	2,952	1,500
	1899	199			37	923		1,603	44	502	776	1,970	1,200
Cars and general shop construction and repairs by steam-railroad companies.	1909	42	9,688		346	9,342	7,877	4,721	379	8,394	9,549	18,719	9,170
	1904	28	8,522		271	8,251	4,763	4,047	313	6,098	3,251	6,585	3,720
	1899	29	5,039		119	4,920	3,162	4,430	142	3,507	8,825	7,554	3,720
Cars and general shop construction and repairs by street-railroad companies.	1909	21	2,002		100	1,902	2,055	2,139	97	1,676	1,152	3,009	1,857
	1904	3	943		91	852	235	144	94	672	461	1,223	797
Cement.....	1909	8	2,521		114	2,407	28,892	24,014	185	1,650	2,182	6,504	4,322
	1904	4	628		32	596	5,351	4,856	39	236	664	1,601	937
Chemicals.....	1909	13	294	2	48	244	1,308	2,788	66	108	762	1,306	544
	1904	15	303	3	41	259	1,060	1,969	44	189	700	1,124	424
	1899	21	463	11	62	390		1,845	70	230	1,406	2,001	655
Clothing, men's, including shirts.....	1909	74	2,859	272	202	2,385	540	2,258	201	1,050	2,895	5,121	2,226
	1904	98	3,199	287	144	2,768	371	1,540	129	1,146	2,763	5,238	2,475
	1899	108			102	2,938		1,293	97	945	2,710	4,721	2,011
Clothing, women's.....	1909	64	1,197	313	93	791	137	643	100	350	876	1,672	796
	1904	55	1,275	231	67	977	90	537	58	424	863	1,745	882
	1899	59	1,590	182	67	1,311		692	51	437	1,008	1,981	973
Coffee and spice, roasting and grinding.	1909	44	707	27	328	352	1,123	3,324	532	245	4,617	6,492	1,875
	1904	45	627	42	254	331	316	2,221	343	196	3,251	4,683	1,432
	1899	40	483	48	168	267		1,657	212	158	2,315	3,130	821
Confectionery.....	1909	99	1,410	102	306	1,002	582	2,123	271	459	2,138	3,024	1,466
	1904	93	1,564	105	225	1,234	567	1,810	216	533	1,647	3,500	1,859
	1899	36			157	711		811	106	220	904	1,790	886
Cooperage and wooden goods, not elsewhere specified.	1909	38	502	40	46	416	1,192	1,547	67	323	1,579	2,167	588
	1904	21	527	28	32	467	526	798	47	347	1,134	1,718	584
	1899	23	434	30	13	385		471	15	247	948	1,413	465
Copper, tin, and sheet-iron products....	1909	233	2,511	317	256	1,938	1,367	7,180	319	1,659	3,565	6,304	3,239
	1904	123	2,279	147	132	2,000	628	9,657	238	1,299	3,288	5,928	2,650
	1899	23			78	1,730		2,669	84	876	3,508	5,285	1,777
Electrical machinery, apparatus, and supplies.	1909	27	540	11	94	435	442	779	102	240	928	1,613	685
	1904	24	521	6	112	403	278	716	113	244	434	1,004	570
	1899	11	272	5	29	238	406	181	29	130	359	656	197

¹ Not reported separately.² Excluding statistics for one establishment, to avoid disclosure of individual operations.³ Figures can not be shown without disclosing individual operations.

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

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	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).							
Expressed in thousands.													
STATE—Continued.													
Fertilizers.....	1909	15	278	1	51	226	1,579	\$2,097	\$72	\$155	\$1,796	\$2,313	\$517
	1904	14	103	10	35	123	852	904	39	69	519	894	375
	1899	8	89	3	16	70	415	648	20	40	483	671	183
Firearms and ammunition.....	1909	5	192		36	156	327	2,169	52	83	1,167	1,577	410
	1904	4	141		24	117	235	499	24	58	610	780	270
	1899	1 ²	142	1	11	130		415	18	61	491	652	161
Flour-mill and gristmill products.....	1909	125	1,392	82	362	948	11,545	13,424	514	732	21,892	25,188	3,206
	1904	122	1,300	94	317	889	11,004	11,467	443	659	17,132	20,203	3,071
	1899	107		196	196	857	10,015	6,493	269	525	11,023	13,045	2,022
Food preparations.....	1909	129	1,108	171	221	716	1,959	3,332	227	406	3,970	5,508	1,538
	1904	75	661	122	110	429	659	846	87	190	938	1,587	649
	1899	58			39	302		469	30	138	678	1,151	473
Foundry and machine-shop products...	1909	543	10,218	470	1,371	8,377	17,253	28,693	1,632	7,312	12,601	26,781	13,830
	1904	388	7,770	368	814	6,588	7,849	16,125	1,001	4,913	7,892	17,595	10,213
	1899	298		527	527	5,173		8,471	602	3,332	6,916	13,023	7,108
Furnishing goods, men's.....	1909	11	187	14	39	134	16	318	35	67	457	721	264
	1904	6	114	10	12	92	8	60	10	37	167	274	107
	1899	14			53	678		271	38	129	301	656	295
Furniture and refrigerators.....	1909	129	1,978	124	201	1,653	2,333	3,062	226	1,507	1,858	4,496	2,638
	1904	90	1,381	85	102	1,194	1,748	2,461	114	837	1,290	2,534	1,544
	1899	40	791	50	67	684		543	43	305	534	1,268	634
Gas and electric fixtures and lamps and reflectors.	1909	41	785	31	201	553	540	1,743	232	446	750	1,715	965
	1904	12	307	11	52	244	156	408	49	169	193	500	307
	1899	14	281	13	51	217		442	61	128	185	499	314
Gas, illuminating and heating.....	1909	74	2,538	1	871	1,666	7,502	47,075	824	1,408	2,604	3,927	6,323
	1904	53	1,303	1	454	848	3,606	31,286	391	650	1,184	5,412	4,228
	1899	41	910		203	707		20,487	229	497	890	3,162	2,266
Gloves and mittens, leather.....	1909	23	717	21	126	570	58	1,039	129	267	558	1,231	673
	1904	29	588	21	51	516	43	604	47	223	459	911	452
	1899	23	717	30	65	622	40	483	53	225	437	921	454
Ice, manufactured.....	1909	77	854	35	153	666	9,971	7,781	212	572	564	2,331	1,767
	1904	54	517	35	97	415	5,783	3,550	71	335	299	1,307	1,003
	1899	20	261	7	64	190	1,933	1,306	63	132	120	511	301
Iron and steel, steel works and rolling mills.	1909	5	1,085		47	1,038	3,945	2,646	51	829	2,348	3,520	1,172
	1904	4	808		35	773	2,618	1,110	63	402	779	1,489	710
	1899	3	573		18	555	2,056	1,499	22	327	507	901	394
Jewelry.....	1909	58	797	165	58	574	324	462	65	477	664	1,557	893
	1904	49	606	127	34	445	161	331	38	375	682	1,447	765
	1899	21		16	221			186	17	160	400	693	293
Leather goods.....	1909	88	946	79	157	710	321	1,945	148	458	1,101	2,244	1,143
	1904	107	973	99	99	775	357	2,075	112	488	1,010	2,125	1,109
	1899	64			87	764		1,256	74	366	915	1,703	783
Leather, tanned, curried, and finished.	1909	40	1,547	20	120	1,398	3,534	8,535	215	983	7,039	9,367	2,328
	1904	49	1,670	39	116	1,515	3,291	6,368	184	945	5,912	8,072	2,076
	1899	45	1,577	48	75	1,454	2,152	4,820	106	871	5,809	7,406	1,597
Lime.....	1909	15	450	12	37	410	558	1,381	55	234	212	609	397
	1904	13	392	4	32	356	95	1,253	43	173	161	572	411
	1899												
Liquors, distilled.....	1909	33	264	26	45	193	1,300	2,476	56	123	835	5,353	4,518
	1904	28	131	18	37	76	683	1,028	36	60	375	1,185	790
	1899	8	20	9		20		77		6	191	238	47
Liquors, malt.....	1909	83	1,026	48	282	1,296	8,867	18,804	545	1,391	2,559	9,319	6,760
	1904	97	1,511	92	214	1,205	5,924	10,925	355	1,145	2,250	7,511	5,261
	1899	99	1,180	105	125	950	3,605	8,183	213	753	1,277	5,085	3,808
Liquors, vinous.....	1909	181	1,691	157	247	1,287	5,314	20,189	429	682	4,674	8,937	4,263
	1904	273	1,588	240	202	1,146	5,067	10,181	230	666	3,069	6,089	3,020
	1899	187	804	172	106	526		4,659	124	225	2,527	3,938	1,411
Lumber and timber products.....	1909	644	25,079	547	1,597	22,935	94,914	55,165	2,237	15,651	18,369	45,000	26,631
	1904	582	20,612	545	1,148	18,919	71,011	37,904	1,432	12,789	11,529	34,615	23,086
	1899	435		599	599	13,285	44,129	19,280	666	6,643	8,092	20,304	12,212
Marble and stone work.....	1909	123	1,724	155	154	1,415	3,562	3,145	210	1,241	1,183	3,380	2,197
	1904	69	992	84	71	837	1,324	1,814	83	807	1,005	2,395	1,390
	1899	48			39	566	723	1,009	44	413	368	1,122	754
Mattresses and spring beds.....	1909	35	671	25	118	528	727	1,351	149	361	1,243	2,164	921
	1904	31	520	34	63	423	336	592	65	237	476	1,010	535
	1899	10			16	128		129	20	54	230	414	184
Paint and varnish.....	1909	35	530	14	120	396	1,387	2,675	158	275	2,652	3,758	1,106
	1904	22	395	13	89	293	614	1,617	86	201	1,678	2,870	692
	1899	14	227	11	39	177	614	1,022	48	108	942	1,250	317

¹ Excluding statistics for one establishment, to avoid disclosure of individual operations.

² Excluding statistics for two establishments, to avoid disclosure of individual operations.

³ Not reported separately.

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

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	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).							
Expressed in thousands.													
STATE—Continued.													
Paper and wood pulp	1909	4	340	2	26	312	7,163	\$2,068	\$36	\$207	\$440	\$969	\$529
	1904	3	273	2	12	259	3,808	1,176	20	181	274	640	366
	1899												
Patent medicine and compounds and druggists' preparations.	1909	89	574	56	208	310	347	994	212	148	639	1,549	910
	1904	89	548	64	140	344	124	905	162	175	533	1,445	912
	1899	52			102	364		950	95	168	754	1,502	808
Petroleum, refining.	1909	29	1,146	4	212	930	5,630	13,881	367	801	13,898	17,878	3,080
	1904	19	840		162	078	1,283	5,453	212	477	4,131	5,749	1,618
	1899	4	72		19	53	180	478	40	42	490	698	208
Pottery, terra-cotta, and fire-clay products.	1909	26	1,167	12	123	1,027	2,856	3,545	184	641	505	1,797	1,292
	1904	22	941	10	71	860	2,195	3,484	99	555	396	1,761	1,365
	1899	18	448	16	41	391	1,084	1,307	59	246	261	751	490
Printing and publishing.	1909	1,240	12,215	1,151	3,508	7,556	7,674	17,198	3,829	6,432	6,827	25,032	18,705
	1904	1,091	10,444	1,052	2,312	7,080	5,238	11,746	2,315	5,182	4,525	19,127	14,002
	1899	783			1,048	4,957		7,037	1,060	3,001	2,606	10,580	7,980
Salt.	1909	19	469	22	45	402	1,228	2,023	56	212	242	746	504
	1904	26	376	25	38	313	756	1,277	34	188	120	429	309
	1899	24	332	28	37	287		758	37	110	117	380	283
Slaughtering and meat packing.	1909	94	2,135	111	383	1,641	3,867	11,463	550	1,807	28,448	34,280	5,832
	1904	76	1,659	84	288	1,287	2,093	4,879	351	914	18,752	22,013	3,261
	1899	64			182	939		3,952	255	553	13,616	15,817	2,201
Stoves and furnaces, including gas and oil stoves.	1909	17	266	11	40	215	152	413	43	174	206	514	308
	1904	7	189	7	15	167	138	156	13	90	98	279	181
	1899												
Sulphuric, nitric, and mixed acids.	1909	6	247		30	217	735	2,614	57	173	* 740	1,101	421
	1904	4	258		21	237	616	1,525	44	158	596	915	319
	1899												
Tobacco manufactures.	1909	332	2,189	613	111	1,465	71	1,622	133	857	1,217	3,300	2,143
	1904	379	2,552	695	72	1,785	22	1,245	66	823	1,097	3,192	2,085
	1899	231	1,628	346	47	1,235		756	55	493	741	1,888	1,147
All other industries.	1909	976	17,949	995	2,613	14,341	50,707	153,969	3,761	10,603	98,545	131,833	33,283
	1904	932	18,378	965	2,120	15,293	40,220	51,664	2,758	10,008	72,667	97,731	25,664
	1899	813			1,297	13,872		48,720	1,553	7,778	67,563	87,403	19,900

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

LOS ANGELES—All industries.	1909	1,325	21,875	1,181	3,387	17,327	33,166	\$59,518	\$3,912	\$12,588	\$38,913	\$68,586	\$29,673
	1904	814	13,189	761	2,004	10,424		28,181	1,997	7,088	18,689	34,814	16,125
	1899	534			717	5,178		10,045	671	2,600	8,088	15,134	7,046
Artificial stone.	1909	8	97	11	6	80	15	70	9	66	31	147	116
	1904	3	78		9	69		100	9	43	52	129	77
	1899												
Boots and shoes, including out stock and findings.	1909	4	38	3	4	31	44	62	6	24	35	75	40
	1904	3	10	3		7		4		3	5	14	9
	1899												
Brass and bronze products.	1909	8	70	7	8	55	99	86	12	46	60	192	132
	1904	4	58	5	6	47		34	6	28	39	106	67
	1899												
Bread and other bakery products.	1909	159	1,445	176	163	1,106	901	1,887	200	702	2,870	4,670	1,800
	1904	75	568	88	58	412		581	50	272	1,027	1,744	717
	1899	51	307	59	40	208		239	21	111	331	660	329
Brick and tile.	1909	8	412		21	391	1,451	1,438	32	215	233	658	425
	1904	7	411	7	21	383		713	23	202	103	477	374
	1899	6	123	5	8	110		169	7	43	21	111	90
Brooms and brushes.	1909	8	63	8	3	52	26	116	2	28	86	151	65
	1904	4	46	3		43		43		22	44	84	40
	1899	4	38	3	3	32		25	3	13	34	67	23
Butter, cheese, and condensed milk.	1909	4	61		17	44	168	172	20	36	1,307	1,417	110
	1904	5	66	5	8	53		202	6	42	558	677	119
	1899	3	35	3	8	24		37	6	13	206	250	44
Canning and preserving.	1909	21	479	20	50	409	471	963	64	175	771	1,255	484
	1904	14	368	7	47	314		639	51	117	521	821	300
	1899	7			14	370		224	14	88	382	556	174
Carriages and wagons and materials.	1909	23	195	24	11	160	102	305	8	119	252	481	229
	1904	16	144	19	5	120		73	3	84	104	305	201
	1899	10				81		49		36	55	126	71
Cars and general shop construction and repairs by steam-railroad companies.	1909	4	1,938		51	1,887	1,083	741	58	1,632	1,601	3,362	1,761
	1904	3	1,427		33	1,404		957	40	1,159	334	1,550	1,216
	1899	3	558		21	537		349	28	392	280	715	455

* Figures can not be shown without disclosing individual operations.

† Excluding statistics for one establishment, to avoid disclosure of individual operations.

‡ Not reported separately.

§ Excluding statistics for two establishments, to avoid disclosure of individual operations.

STATISTICS OF MANUFACTURES.

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

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

INDUSTRY.	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 employees.	Wage earners (average number).							
Expressed in thousands.													
LOS ANGELES—Continued.													
Clothing, men's, including shirts.....	1909	15	505	19	34	452	99	\$229	\$32	\$186	\$486	\$522	\$380
	1904	19	258	12	8	238	.....	29	6	89	165	299	134
	1899	19	178	17	6	155	.....	20	4	40	215	322	107
Clothing, women's.....	1909	12	199	15	23	161	42	131	26	72	154	321	167
	1904	4	59	7	10	42	.....	16	7	24	41	88	47
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coffee and spice, roasting and grinding..	1909	11	164	6	68	90	241	700	85	67	802	1,150	348
	1904	9	62	11	10	41	.....	200	12	29	347	497	150
	1899	8	38	9	8	21	.....	112	7	9	181	245	64
Confectionery.....	1909	11	163	11	32	120	30	158	29	48	204	343	139
	1904	13	394	17	39	338	.....	598	55	150	535	954	421
	1899	13	.....	.....	41	215	.....	290	37	71	361	667	306
Cooperage and wooden goods, not elsewhere specified.	1909	6	44	7	4	33	89	113	6	25	106	139	33
	1904	3	55	1	4	50	.....	64	5	25	171	232	61
	1899	3	36	4	1	31	.....	48	1	19	71	133	62
Copper, tin, and sheet-iron products....	1909	53	439	59	28	352	147	688	38	250	611	1,124	513
	1904	124	243	30	12	201	.....	209	12	150	244	515	271
	1899	14	.....	.....	12	293	.....	411	15	115	434	707	273
Electrical machinery, apparatus, and supplies.	1909	12	104	4	21	79	104	138	25	52	97	211	114
	1904	6	167	4	44	121	.....	205	43	84	174	400	225
	1899	3	47	1	11	35	.....	56	13	29	16	67	51
Fancy articles, not elsewhere specified..	1909	9	36	11	2	23	50	32	1	14	9	43	34
	1904	9	61	14	4	43	.....	39	2	22	17	71	54
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flour-mill and gristmill products.....	1909	7	194	.....	59	135	1,200	2,676	99	95	4,830	5,347	517
	1904	8	165	2	53	110	.....	1,809	75	81	2,364	2,799	435
	1899	10	118	5	29	79	.....	607	41	41	1,022	1,223	201
Food preparations.....	1909	22	187	26	30	131	236	338	28	63	376	580	204
	1904	10	80	18	7	55	.....	66	6	24	59	118	68
	1899	7	27	10	3	14	.....	31	.....	4	35	56	20
Foundry and machine-shop products...	1909	113	2,849	84	343	2,422	3,852	7,263	437	1,897	3,755	7,777	4,022
	1904	58	1,489	56	152	1,281	.....	2,911	188	968	1,606	3,557	1,951
	1899	37	.....	78	78	560	.....	1,032	71	364	779	1,565	786
Furniture and refrigerators.....	1909	42	469	42	47	380	584	586	51	310	354	941	587
	1904	28	396	27	34	325	.....	547	41	222	494	380	386
	1899	8	133	9	19	105	.....	106	7	47	126	230	104
Gas and electric fixtures and lamps and reflectors.	1909	15	288	7	85	196	230	510	105	162	267	670	403
	1904	4	21	4	4	13	.....	19	3	9	16	40	24
	1899	5	63	3	8	52	.....	66	10	34	38	123	85
Hand stamps and stencils and brands...	1909	3	41	3	16	22	18	55	18	17	22	92	70
	1904	3	29	3	8	18	.....	30	7	9	5	40	35
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	1909	6	321	.....	49	272	2,200	2,702	81	224	142	765	623
	1904	5	164	.....	20	144	.....	1,272	23	114	61	470	379
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jewelry.....	1909	16	112	21	19	72	37	153	21	55	102	246	144
	1904	9	77	10	10	57	.....	55	8	47	44	151	107
	1899	3	.....	.....	2	7	.....	46	2	7	30	61	31
Leather goods.....	1909	32	322	28	79	215	70	602	70	117	402	757	355
	1904	24	236	19	42	175	.....	371	45	101	296	584	288
	1899	11	125	13	10	102	.....	66	10	33	32	126	94
Liquors, malt.....	1909	4	290	.....	48	242	1,682	3,846	97	258	362	1,457	1,095
	1904	3	217	.....	37	180	.....	1,807	64	141	227	798	571
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Liquors, vinous.....	1909	13	40	15	2	23	116	270	1	13	42	136	94
	1904	10	55	10	4	41	.....	391	3	22	89	164	84
	1899	16	67	17	4	46	.....	197	2	18	89	136	47
Lumber and timber products.....	1909	61	1,816	45	213	1,558	6,207	3,791	226	1,108	3,529	5,684	2,155
	1904	40	1,024	34	102	888	.....	1,766	122	584	1,597	2,700	1,103
	1899	24	416	21	46	349	.....	826	45	173	490	912	422
Marble and stone work.....	1909	14	108	22	11	75	288	222	9	72	116	257	141
	1904	16	46	8	4	34	.....	40	6	36	26	96	70
	1899	6	36	7	3	26	.....	27	4	15	27	62	35
Mattresses and spring beds.....	1909	11	214	9	37	168	187	399	46	115	495	787	292
	1904	8	100	12	17	71	.....	100	11	47	159	267	108
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Models and patterns, not including paper patterns.	1909	6	20	7	.....	13	33	8	.....	7	6	28	22
	1904	9	26	11	.....	15	.....	9	.....	10	5	31	25
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paint and varnish.....	1909	6	67	3	29	35	158	305	33	30	358	494	136
	1904	3	22	3	9	10	.....	116	8	9	81	120	39
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

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

INDUSTRY.	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.	Salaries employees.	Wage earners (average number).							
Expressed in thousands.													
LOS ANGELES—Continued.													
Patent medicines and compounds and druggists' preparations.	1909	35	144	26	27	91	62	\$140	\$26	\$43	\$140	\$337	\$197
	1904	1 25	77	15	23	39		68	17	16	56	153	97
	1899	21	97	27	17	53		79	12	23	54	154	100
Petroleum, refining.	1909	10	133		33	100	430	1,312	66	82	1,135	1,406	271
	1904	6	82		23	59		529	34	49	321	461	140
	1899												
Pottery, terra-cotta, and fire-clay products.	1909	8	122	7	17	98	315	536	26	61	86	235	149
	1904	9	174	4	20	150		940	24	99	128	352	224
	1899	7	72	6	9	57		295	11	32	48	105	57
Printing and publishing.	1909	234	2,545	196	812	1,537	1,220	3,086	879	1,188	1,619	5,192	3,573
	1904	154	2,061	136	743	1,182		2,272	591	805	950	3,508	2,558
	1899	93			114	538		1,022	116	280	323	1,353	1,027
Slaughtering and meat packing.	1909	6	605	3	95	507	747	3,569	148	324	5,946	7,464	1,518
	1904	4	407	3	51	353		1,062	69	231	3,608	4,040	372
	1899												
Surgical appliances and artificial limbs.	1909	6	31	4	6	21	8	18	6	14	15	49	34
	1904	3	37	4	11	22		61	7	13	14	46	32
	1899	3				7		4		4	2	14	12
Tobacco manufactures.	1909	33	225	38	11	176		174	20	91	134	344	210
	1904	32	146	33	8	105		54	9	69	82	208	126
	1899	13	49	13	1	35		24	1	22	18	59	41
All other industries.	1909	246	4,280	214	753	3,313	8,088	18,983	766	2,485	4,965	10,980	6,015
	1904	140	1,593	116	304	1,171		7,090	306	734	1,850	4,238	2,418
	1899	136			201	1,031		3,588	183	518	2,384	4,339	1,955
OAKLAND—All industries.													
	1909	441	8,538	554	1,079	6,905	13,683	\$19,113	\$1,300	\$5,317	\$11,847	\$22,343	\$10,496
	1904	248	3,980	237	390	3,383		9,128	409	2,068	4,307	9,015	4,708
	1899	195			264	2,476		5,173	246	1,210	2,704	5,368	2,684
Bread and other bakery products.	1909	57	447	69	66	312	203	599	54	254	335	1,420	535
	1904	36	238	39	23	170		146	11	139	368	668	300
	1899	32	191	39	16	130		111	8	78	197	302	165
Butter, cheese, and condensed milk.	1909	4	73	1	19	53	56	166	28	36	637	742	105
	1904	7	36	5	8	23		51	8	18	272	334	62
	1899	4	8	4		4		5		3	42	52	10
Canning and preserving.	1909	9	469	11	33	425	166	974	44	173	674	1,040	366
	1904	5	35	7	6	22		53	5	8	43	67	24
	1899	3	14	6	1	7		8	1	2	10	18	8
Carriages and wagons and materials.	1909	10	65	10	10	45	191	110	9	36	68	168	100
	1904	10	49	11		38		51		27	41	101	60
	1899	10				45		71		27	26	86	60
Confectionery.	1909	6	127	6	49	72	8	146	33	36	107	222	115
	1904	7	142	10	15	117		80	13	48	103	214	111
	1899												
Copper, tin, and sheet-iron products.	1909	12	85	19	11	55	52	98	14	52	81	180	99
	1904	4	70	5	5	60		102	7	62	107	240	133
	1899	3				14		19		12	10	23	18
Flour-mill and gristmill products.	1909	3	52		16	36	228	326	20	39	613	691	78
	1904	4	47	1	9	37		293	12	30	376	429	53
	1899	3	36	1	4	31		76	2	23	144	208	64
Food preparations.	1909	6	53	8	17	28	41	70	18	19	133	214	81
	1904	5	11	7		4		3		2	13	25	12
	1899												
Foundry and machine-shop products.	1909	44	891	39	105	747	993	2,358	132	681	666	1,824	1,158
	1904	13	265	9	20	236		449	26	148	160	417	257
	1899	16			28	271		491	31	148	248	515	267
Liquors, malt.	1909	4	95	1	16	78	652	734	35	84	158	668	510
	1904	3	27	1	3	23		687	4	26	40	170	130
	1899	3	26	3	6	17		133	8	17	36	133	97
Lumber and timber products.	1909	31	914	21	85	808	3,421	1,716	126	702	1,198	2,183	935
	1904	1 21	700	19	57	624		1,217	69	441	787	1,537	750
	1899	3 13	362	19	20	342		501	25	195	424	733	309
Pottery, terra-cotta, and fire-clay products.	1909	3	45	2	6	37	210	172	9	27	17	66	49
	1904	3	63	3	6	54		111	6	34	19	98	79
	1899												
Printing and publishing.	1909	70	612	65	216	331	540	1,120	229	357	255	1,292	1,037
	1904	3 39	377	33	82	262		396	63	174	116	580	464
	1899	26	367	26	67	274		593	51	128	117	550	433
Tobacco manufactures.	1909	27	183	78	4	101	2	86	7	50	74	183	109
	1904	17	58	18	1	39		39	2	23	51	101	50
	1899	12	29	13		16		19		9	13	40	27
All other industries.	1909	155	4,427	224	428	3,777	6,920	10,438	542	2,771	6,331	11,450	5,119
	1904	74	1,862	60	155	1,638		5,448	183	388	1,811	4,034	2,223
	1899	70			122	1,319		3,086	120	568	1,437	2,643	1,206

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.
 4 Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

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—Continued.

INDUSTRY.	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.	Salaries employees.	Wage earners (average number).							
Expressed in thousands.													
SAN FRANCISCO—All industries.	1909	1,796	36,910	2,544	6,122	28,244	49,934	\$133,824	\$8,086	\$22,381	\$76,217	\$133,041	\$56,824
	1904	2,251	46,866	3,047	5,190	38,429	.....	102,362	6,630	25,015	75,846	137,788	61,842
	1899	1,748	.....	.....	3,413	32,555	.....	69,643	3,929	17,259	65,535	107,024	41,489
Artificial stone.....	1909	10	89	12	9	68	26	78	9	61	50	151	101
	1904	5	31	6	1	24	.....	12	1	23	12	41	29
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baskets, and rattan and willow ware.....	1909	7	129	7	5	117	23	107	11	49	118	211	93
	1904	7	40	8	1	31	.....	11	1	13	22	37	15
	1899	8	102	7	2	93	.....	81	3	27	70	145	75
Belting and hose, leather.....	1909	5	52	1	18	33	37	173	26	26	182	291	109
	1904	5	60	4	20	36	.....	190	23	20	121	234	113
	1899	5	.....	.....	12	40	.....	181	11	26	182	288	106
Boots and shoes, including cut stock and findings.	1909	8	425	73	31	321	131	672	36	204	553	976	423
	1904	15	643	54	41	548	.....	1,002	41	313	731	1,288	557
	1899	26	987	79	48	800	.....	1,181	46	403	949	1,627	678
Boxes, fancy and paper.....	1909	10	321	6	34	281	225	311	41	141	221	406	275
	1904	12	393	10	27	356	.....	372	29	127	210	448	238
	1899	8	258	13	12	233	.....	132	10	79	114	274	160
Brass and bronze products.....	1909	13	154	13	20	121	131	183	22	116	164	356	192
	1904	15	384	14	46	324	.....	725	65	223	275	808	531
	1899	11	364	13	24	327	.....	743	32	210	334	768	334
Bread and other bakery products.....	1909	167	1,065	263	199	1,203	786	3,513	238	1,003	2,065	5,288	2,303
	1904	184	1,722	233	123	1,366	.....	1,688	100	982	2,548	4,882	2,334
	1899	137	1,048	161	90	797	.....	976	60	417	1,508	2,601	1,038
Brooms and brushes.....	1909	9	138	45	8	85	18	82	4	46	129	200	77
	1904	11	139	45	3	88	.....	56	2	47	83	169	86
	1899	15	.....	.....	19	144	.....	113	15	71	120	255	135
Butter, cheese, and condensed milk.....	1909	3	8	3	.....	5	4	11	.....	3	35	47	12
	1904	7	20	7	3	.....	.....	79	6	6	333	396	63
	1899	5	18	8	.....	10	.....	31	4	7	53	67	14
Canning and preserving.....	1909	17	1,011	7	101	903	666	3,343	171	382	3,482	4,776	1,294
	1904	33	1,735	33	109	1,593	.....	2,719	177	654	3,080	4,636	1,556
	1899	34	.....	.....	86	1,660	.....	1,080	105	489	2,377	3,513	1,136
Carriages and wagons and materials.....	1909	37	311	43	31	237	248	457	36	204	191	552	361
	1904	63	502	74	23	405	.....	782	29	304	310	912	593
	1899	47	.....	.....	21	351	.....	674	27	179	283	673	410
Chemicals.....	1909	4	139	.....	19	120	720	1,425	24	93	628	938	310
	1904	6	150	3	21	126	.....	875	27	86	547	764	217
	1899	10	188	7	37	144	.....	890	41	96	653	955	302
Clothing, men's, including shirts.....	1909	50	1,905	251	132	1,522	335	1,637	126	727	2,106	3,682	1,576
	1904	84	2,831	271	122	2,438	.....	1,436	115	1,028	2,530	4,804	2,274
	1899	91	.....	.....	72	2,604	.....	1,168	72	853	2,371	4,138	1,767
Clothing, women's.....	1909	41	835	199	66	570	83	493	71	252	647	1,225	578
	1904	48	1,191	212	57	922	.....	518	52	393	810	1,633	823
	1899	49	1,464	162	46	1,256	.....	659	48	420	982	1,903	921
Coffee and spice, roasting and grinding..	1909	19	492	13	24	225	775	2,440	427	153	3,549	4,073	1,424
	1904	25	532	21	26	275	.....	1,941	325	157	2,750	3,980	1,230
	1899	22	412	23	158	231	.....	1,438	204	140	2,050	2,766	716
Coffins, burial cases, and undertakers' goods.	1909	4	78	2	15	61	151	432	16	39	152	272	120
	1904	5	68	1	6	61	.....	132	9	34	106	212	106
	1899	4	66	2	9	55	.....	205	14	24	172	259	87
Confectionery.....	1909	27	689	36	114	539	299	1,151	138	249	930	1,718	738
	1904	37	761	43	133	585	.....	850	115	241	776	1,778	1,002
	1899	14	.....	.....	92	378	.....	424	61	99	448	845	397
Cooperage and wooden goods, not elsewhere specified.	1909	11	321	8	31	282	801	1,197	53	220	1,194	1,604	410
	1904	15	416	14	28	374	.....	671	41	287	874	1,340	466
	1899	23	370	23	12	335	.....	386	14	217	823	1,200	377
Copper, tin, and sheet-iron products....	1909	71	1,336	130	138	1,068	681	5,191	202	947	1,872	3,645	1,773
	1904	60	1,614	63	85	1,406	.....	8,924	193	901	2,641	4,529	1,888
	1899	27	.....	.....	93	1,420	.....	2,170	66	715	2,937	4,399	1,412
Electrical machinery, apparatus, and supplies.	1909	10	160	7	24	129	114	163	30	77	143	322	179
	1904	13	294	2	59	233	.....	302	59	134	149	420	271
	1899	5	212	2	17	193	.....	59	15	96	274	406	132
Electroplating.....	1909	5	42	5	10	27	59	34	7	24	23	70	47
	1904	4	38	5	3	30	.....	18	3	25	18	81	63
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flour-mill and gristmill products.....	1909	9	172	6	59	107	1,225	1,532	84	89	2,403	2,781	378
	1904	9	314	6	97	211	.....	2,409	150	153	2,780	3,423	643
	1899	8	.....	.....	35	171	.....	898	55	107	1,534	1,956	422
Food preparations.....	1909	31	499	61	103	330	900	1,956	129	192	1,679	2,436	757
	1904	38	379	65	53	261	.....	339	47	114	637	999	362
	1899	28	.....	.....	23	219	.....	312	24	107	409	747	338

¹ Not reported separately.

² Excluding statistics for one establishment, to avoid disclosure of individual operations.

³ Excluding statistics for two establishments, to avoid disclosure of individual operations.

⁴ Figures can not be shown without disclosing individual operations.

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

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

INDUSTRY.	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).							
Expressed in thousands.													
SAN FRANCISCO—Continued.													
Foundry and machine-shop products...	1909	157	3,456	129	504	2,823	6,714	\$10,840	\$735	\$2,690	\$4,001	\$9,622	\$4,721
	1904	172	4,562	153	514	3,885		10,038	731	2,919	4,273	10,525	6,252
	1899	130			360	3,509		5,616	444	2,324	4,107	9,137	5,030
Furnishing goods, men's.....	1909	3	109	4	28	77	3	242	21	43	368	564	196
	1904	4	85	6	8	71		45	7	31	144	231	87
	1899	14			53	578		271	38	120	361	656	295
Furniture and refrigerators.....	1909	51	1,223	51	124	1,048	1,237	2,180	142	1,017	1,336	3,057	1,721
	1904	45	890	40	62	788		1,534	68	616	743	1,836	1,093
	1899	22	555	26	33	496		348	33	270	396	880	484
Gas and electric fixtures and lamps and reflectors.	1909	15	428	7	100	321	271	1,129	114	257	430	917	487
	1904	18	286	7	48	231		389	46	160	177	461	284
	1899	5	190	3	38	149		361	45	86	127	330	203
Gloves and mittens, leather.....	1909	9	165	10	27	128	16	324	19	79	148	301	153
	1904	15	356	16	28	312		399	26	148	305	613	308
	1899	15	469	19	50	400		298	40	158	319	664	346
Hand stamps and stencils and brands..	1909	7	94	8	32	54	55	110	37	52	44	161	117
	1904	8	46	9	7	30		35	6	21	18	90	72
	1899	12	60	10	9	41		48	9	24	24	80	56
Ice, manufactured.....	1909	3	80		13	67	1,485	1,659	23	69	73	302	229
	1904	4	93		9	84		816	11	76	68	278	210
	1899	3	80		30	50		510	28	40	44	184	90
Jewelry.....	1909	24	587	125	32	430	248	221	37	367	502	1,121	619
	1904	36	510	113	24	373		260	30	310	630	1,264	634
	1899	18			14	214		141	15	153	370	631	261
Leather goods.....	1909	20	357	17	50	290	165	725	55	204	348	843	495
	1904	34	497	38	41	418		1,264	47	272	535	1,102	578
	1899	30			59	468		899	53	243	542	1,055	513
Leather, tanned, curried, and finished...	1909	17	619	15	46	558	1,260	2,479	89	415	2,655	3,622	967
	1904	21	667	30	42	595		1,788	70	378	1,010	2,718	808
	1899	21	624	29	25	570		1,282	37	365	2,219	2,705	576
Liquors, malt.....	1909	20	551	6	108	437	1,701	7,567	220	508	895	3,482	2,587
	1904	22	693	13	106	574		4,946	190	594	1,147	4,106	2,959
	1899	25	530	23	64	443		4,722	128	398	710	2,872	2,162
Liquors, vinous.....	1909	4	36	5	10	21	31	188	18	14	135	237	162
	1904	5	17	9	8	8		23		4	15	54	39
	1899	6	13	8	1	4		20	1	2	12	27	16
Lumber and timber products.....	1909	68	1,667	47	181	1,499	6,435	2,833	275	1,347	2,133	4,373	2,245
	1904	52	1,534	45	119	1,420		1,787	155	1,105	2,005	3,980	1,975
	1899	33	1,001	31	74	896		920	86	555	1,126	2,187	1,061
Marble and stone work.....	1909	18	598	16	94	488	1,227	1,221	133	413	797	1,635	838
	1904	18	623	18	49	561		1,265	62	524	778	1,665	887
	1899	14			17	155		557	21	98	229	462	223
Mattresses and spring beds.....	1909	12	320	6	58	256	365	783	78	173	576	1,036	460
	1904	16	386	13	44	329		469	52	179	294	686	392
	1899	4			16	80		98	20	39	180	300	120
Millinery and lace goods.....	1909	12	140	12	22	106	97	212	21	61	148	269	121
	1904	11	193	9	11	173		92	8	63	96	223	127
	1899	8	117	8	7	102		31	6	30	33	103	70
Models and patterns, not including paper patterns.	1909	14	101	20	6	75	131	58	3	66	45	158	108
	1904	13	100	17	8	75		80	8	60	28	139	111
	1899	8	64	10		54		31		31	16	76	60
Musical instruments, pianos and organs and materials.	1909	7	27	8	4	15	6	60	3	18	14	54	40
	1904	9	33	8	4	21		79	4	16	19	53	34
	1899	4				18		40		14	11	47	36
Paint and varnish.....	1909	13	142	8	49	85	352	729	57	60	456	758	302
	1904	13	355	8	77	270		1,395	75	134	1,564	2,197	633
	1899	9	71	4	31	36		284	34	22	308	448	140
Patent medicines and compounds and druggists' preparations.	1909	28	330	11	151	188	131	644	154	82	380	989	609
	1904	47	420	32	104	284		728	135	148	435	1,170	735
	1899	26			77	279		629	70	131	690	1,346	656
Photo-engraving.....	1909	9	140	4	41	95	41	108	38	105	34	228	194
	1904	16	162	18	26	118		101	26	103	50	285	215
	1899	8	80	8	8	64		16	10	30	9	76	67
Printing and publishing.....	1909	307	5,180	260	1,588	3,332	3,386	7,101	1,895	3,094	3,156	12,201	9,045
	1904	361	4,898	318	1,977	3,603		5,548	1,237	2,788	2,689	10,847	8,168
	1899	250			634	2,688		3,364	676	1,827	1,769	6,834	4,565

¹ Excluding statistics for two establishments, to avoid disclosure of individual operations.² Excluding statistics for one establishment, to avoid disclosure of individual operations.

STATISTICS OF MANUFACTURES.

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

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

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).							
Expressed in thousands.													
SAN FRANCISCO—Continued.													
Show cases.....	1909	4	27	5	3	19	23	\$34	\$3	\$21	\$28	\$63	\$35
	1904	4	16	6	4	10	-----	15	-----	10	12	36	24
	1899	3	23	4	-----	10	-----	8	-----	11	10	32	22
Slaughtering and meat packing.....	1909	31	471	47	83	341	1,083	2,056	135	337	8,904	10,270	1,366
	1904	44	464	58	90	316	-----	1,278	111	272	7,088	9,209	1,521
	1899	30	-----	-----	80	200	-----	1,385	112	211	6,715	7,590	875
Tobacco manufactures.....	1909	91	1,111	286	75	750	69	855	85	424	614	1,833	1,219
	1904	172	1,758	459	40	1,253	-----	777	45	481	652	2,023	1,376
	1899	105	1,222	208	37	977	-----	504	49	350	542	1,366	824
All other industries.....	1909	284	7,980	246	1,267	6,467	14,904	62,925	1,795	5,168	23,681	37,949	14,268
	1904	410	12,723	410	1,449	10,864	-----	41,110	1,872	7,373	27,319	44,199	16,880
	1899	308	-----	-----	818	8,484	-----	33,619	1,051	4,936	25,943	37,621	11,678

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

Alameda.....	1909	51	1,076	50	111	915	1,526	\$3,002	\$171	\$797	\$929	\$2,554	\$1,025
	1904	30	326	32	15	279	-----	541	20	241	233	607	464
	1899	23	-----	-----	23	372	-----	749	43	216	788	1,385	547
Bakersfield.....	1909	27	844	20	78	746	910	1,791	94	664	1,700	2,819	1,119
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Berkeley.....	1909	84	1,420	115	221	1,084	2,433	3,465	254	840	2,687	4,435	1,748
	1904	44	453	28	87	339	-----	1,420	86	230	782	1,474	692
	1899	22	-----	-----	19	211	-----	456	14	99	392	651	269
Eureka.....	1909	48	1,075	30	99	946	3,901	3,306	124	673	1,494	3,012	1,518
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Fresno.....	1909	76	2,262	43	281	1,938	3,403	4,933	328	1,103	7,992	11,090	3,098
	1904	80	2,169	51	293	1,815	-----	3,430	264	1,062	6,828	9,754	2,920
	1899	62	-----	-----	87	819	-----	1,485	86	396	1,703	2,752	1,049
Long Beach.....	1909	51	413	49	87	277	1,450	1,326	87	207	498	927	429
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pasadena.....	1909	88	708	92	117	409	969	1,347	118	380	853	1,724	871
	1904	46	451	40	84	318	-----	766	80	220	421	967	546
	1899	28	-----	-----	22	177	-----	313	15	77	127	331	204
Pomona.....	1909	30	285	32	29	224	334	630	22	152	230	560	330
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Redlands.....	1909	37	260	36	77	147	439	1,104	47	100	239	518	279
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Riverside.....	1909	53	399	56	76	267	700	1,102	50	214	667	1,178	511
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sacramento.....	1909	211	5,266	219	533	4,514	8,517	10,097	616	3,918	6,893	13,977	7,084
	1904	156	4,742	104	375	4,203	-----	7,359	419	2,952	5,144	10,073	4,929
	1899	111	-----	-----	170	3,686	-----	6,856	202	2,519	5,345	9,495	4,150
San Bernardino.....	1909	41	883	38	116	729	1,411	1,242	94	639	763	1,660	897
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
San Diego.....	1909	117	1,440	99	270	1,071	3,269	5,326	263	806	2,667	4,741	2,074
	1904	89	703	97	65	541	-----	1,991	60	392	1,136	1,974	838
	1899	57	-----	-----	43	255	-----	990	42	148	281	670	339
San Jose.....	1909	153	1,828	134	264	1,430	2,078	3,815	249	903	3,243	5,610	2,307
	1904	153	1,625	145	220	1,260	-----	3,083	190	682	2,512	4,298	1,736
	1899	124	-----	-----	189	1,221	-----	2,930	146	567	1,650	3,292	1,442
Santa Barbara.....	1909	51	382	43	74	265	491	895	63	197	690	1,169	473
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Santa Cruz.....	1909	34	388	31	83	274	1,827	2,605	77	211	668	1,161	403
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stockton.....	1909	144	2,039	141	304	1,594	5,010	8,250	376	1,306	8,320	11,849	3,530
	1904	110	1,582	105	144	1,353	-----	5,220	165	904	5,850	8,029	2,179
	1899	91	-----	-----	137	1,185	-----	4,454	151	650	3,987	5,525	1,538
Vallejo.....	1909	23	271	22	46	203	1,616	1,559	75	184	1,404	1,896	492
	1904	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1899	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 Excluding statistics for two establishments, to avoid disclosure of individual operations.

2 Figures not available.

3 Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

TABLE II.—DETAIL STATEMENT FOR

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, supts. and managers.	Clerks.		Average number.	Wage earners.				Total.	16 and over.		Under 16.		
					Male.	Female.		Number.					Male.	Female.	Male.	Female.	
								Maximum month.	Minimum month.	Maximum month.	Minimum month.						
1 All industries.....	7,659	141,578	8,077	5,563	9,872	2,968	115,296	Se 132,280	Fe 94,252	(1)	(1)	(1)	(1)	(1)	329,100		
2 Agricultural implements.....	25	749	19	24	66	18	622	Ap 702	Au 513	668	668				1,186		
3 Artificial stone.....	66	434	71	31	8	4	320	De 347	Ja 278	363	361			2	247		
4 Automobiles, including bodies and parts.	41	589	50	27	21	13	473	Ja 534	Ja 418	471	451	17		3	305		
5 Babbitt metal and solder.....	5	81		11	11	7	52	My 59	Ja 48	52	52				61		
6 Baskets, and rattan and willow ware..	14	242	11	7	3	2	219	My 297	Au 171	203	63	140			104		
7 Belting and hose, leather.....	5	52	1	8	8	2	33	Je 35	Ja 31	32	31			1	37		
8 Bicycles, motorcycles, and parts.....	5	19	6	1	1		11	No 13	Ja 10	13	12	1			12		
9 Blacking and cleansing and polishing preparations.	9	40	5	6	7	1	21	De 27	Ja 18	27	18	6		3	30		
10 Boots and shoes, including cut stock and findings.	18	840	76	18	37	14	695	No 754	Jy 542	791	547	199	38	7	360		
11 Boxes, cigar.....	3	57	3	3	1	1	49	Oc 52	Jy 45	52	29	23			29		
12 Boxes, fancy and paper.....	19	703	10	27	28	14	624	No 707	Ja 532	692	217	437	5	33	405		
13 Brass and bronze products.....	29	259	28	20	13	3	195	De 203	Ap 184	206	202	1	3		261		
14 Bread and other bakery products.....	864	5,801	1,077	150	268	288	4,018	Oc 4,154	Ja 3,903	4,359	3,501	818	22	18	2,517		
15 Brick and tile.....	78	1,879	35	85	46	10	1,703	Jy 2,223	Fe 941	1,801	1,778	1	22		8,972		
16 Brooms.....	10	219	54	4	5	1	155	Ja 164	Se 147	161	160	1			62		
17 Brushes.....	8	22	9	1		1	11	No 17	Jy 9	17	16	1			14		
18 Butter, cheese, and condensed milk...	161	918	119	90	70	42	597	My 632	Ja 525	635	506	39			2,496		
19 Buttons.....	7	21	8				13	Ap 15	Fe 11	13	4	8		1			
20 Canning and preserving.....	196	8,714	148	285	382	142	7,757	Au 16,047	Fe 2,781	15,034	6,231	8,472	117	214	7,453		
21 Carpets, rag.....	17	109	25	3	3	2	76	Oc 87	Ja 64	92	79	13		8	38		
22 Carriages and wagons and materials...	155	1,015	185	42	12	16	760	Je 821	Ja 077	741	733			8	957		
23 Cars and general shop construction and repairs by steam-railroad companies.	42	9,688		70	271	5	9,342	Oc 10,057	Fe 7,023	9,659	9,657			2	7,877		
24 Cars and general shop construction and repairs by street-railroad companies.	21	2,002		35	59	6	1,902	Jy 1,985	Ja 1,835	1,911	1,911				2,055		
25 Cars, steam-railroad, not including operations of railroad companies.	5	165		8	10	1	146	Je 172	Au 124	140	139			1	493		
26 Cement.....	8	2,521		24	83	7	2,407	No 2,843	Ja 1,481	2,841	2,837			4	28,892		
27 Chemicals.....	13	294	2	22	19	7	244	No 361	Mh 195	360	350	10			1,308		
28 Clothing, men's, including shirts.....	74	2,859	272	51	111	40	2,385	Mh 2,455	Ja 2,208	2,403	418	1,981	1	3	540		
29 Clothing, women's.....	64	1,197	313	27	41	25	791	No 842	Jy 084	862	275	584	3		137		
30 Coffee and spice, roasting and grinding.	44	707	27	51	226	51	352	No 373	Fe 339	374	235	137	1	1	1,123		
31 Coffins, burial cases, and undertakers' goods.	7	133	2	10	15	4	102	Ap 107	Jy 96	104	74	20	1		221		
32 Confectionery.....	89	1,410	102	60	116	130	1,002	De 1,269	Ja 850	1,285	475	785	9	10	582		
33 Cooperage and wooden goods, not elsewhere specified.	38	502	40	21	15	10	416	Oc 490	Fe 336	492	489	2	1		1,102		
34 Copper, tin, and sheet-iron products...	233	2,511	817	111	100	45	1,938	Jy 2,129	Ja 1,712	2,054	1,939	107	8		1,367		
35 Cutlery and tools, not elsewhere specified.	10	58	15	1			42	No 52	Fe 35	51	49			2	71		
36 Dairymen's, poultryers', and apiarists' supplies.	11	113	10	14	15	11	63	Mh 87	Se 42	87	84	3			76		
37 Electrical machinery, apparatus, and supplies.	27	540	11	32	37	25	435	No 487	Se 407	489	366	121	2		442		
38 Electroplating.....	12	66	14	6	5		41	De 45	My 37	45	45				86		
39 Fancy articles, not elsewhere specified.	13	54	17	3	3	1	30	My 23	Ja 23	36	21	11	3	1	56		
40 Fertilizers.....	15	273	1	19	28	4	226	Mh 393	Au 203	230	229	1			1,570		
41 Firearms and ammunition.....	5	192		19	14	3	156	Je 168	Fe 144	161	120	41			327		
42 Flags, banners, regalia, society badges, and emblems.	6	54	3	5	4	2	40	Jy 44	Ja 38	43	26	16	1		23		
43 Flour-mill and gristmill products.....	125	1,392	82	125	203	34	948	No 1,069	Ap 889	1,087	1,064	23			11,545		
44 Food preparations.....	129	1,108	171	85	107	29	716	No 894	Ap 594	977	664	310	3		1,959		
45 Foundry and machine-shop products..	543	10,218	470	536	652	183	8,377	De 8,723	Ja 7,517	8,875	8,817	16	42		17,253		
46 Fur goods.....	8	105	7	3	5	6	84	No 114	My 57	112	41	71			12		
47 Furnishing goods, men's.....	11	187	14	4	22	13	134	De 161	Ja 117	193	26	132	1	4	16		
48 Furniture and refrigerators.....	129	1,978	124	70	110	21	1,653	Mh 1,750	Jy 1,538	1,759	1,717	36	5	1	2,333		
49 Gas and electric fixtures and lamps and reflectors.	41	785	31	59	102	40	553	De 665	Ap 485	665	626	15	22	2	540		
50 Gas, illuminating and heating.....	74	2,533	1	109	612	90	1,666	No 1,786	My 1,593	1,783	1,783				7,502		
51 Gloves and mittens, leather.....	23	717	21	29	64	33	570	De 644	Ja 501	652	256	386	6	4	58		
52 Hand stamps and stencils and brands.	18	152	18	13	33	4	84	No 90	Jy 79	90	81	8			74		
53 Hats and caps, other than felt, straw, and wool.	8	60	11	2	3	1	43	My 48	Ja 35	42	26	15		1	7		
54 Hosiery and knit goods.....	6	316	2	11	26	9	268	Au 289	My 248	284	40	242		2	44		
55 Ice, manufactured.....	77	854	35	79	60	14	666	Jy 807	Fe 524	645	635	1	9		9,971		
56 Iron and steel, steel works and rolling mills.	5	1,085		15	28	4	1,038	No 1,175	Jy 716	1,176	1,173	3			3,945		
57 Jewelry.....	58	797	165	22	25	11	574	De 655	Jy 526	656	600	35	19	2	324		
58 Lapidary work.....	14	103	14	8	9	5	67	Ja 94	Au 54	62	54	6			53		
59 Leather goods.....	83	946	79	50	89	18	710	No 772	Mh 038	775	635	129	10	1	321		
60 Leather, tanned, curried, and finished.	40	1,547	20	70	42	17	1,398	Se 1,457	My 1,352	1,441	1,437			4	3,634		
61 Lime.....	15	459	12	14	17	6	410	Ap 475	De 303	319	319				558		
62 Liquors, distilled.....	33	264	26	21	18	6	193	Oc 273	My 130	305	264	41			1,360		
63 Liquors, malt.....	83	1,626	48	122	138	22	1,296	Jy 1,373	Fe 1,215	1,300	1,300				8,887		
64 Liquors, vinous.....	181	1,691	157	129	80	38	1,287	Oc 2,898	Je 793	1,721	1,701	20			5,314		
65 Lumber and timber products.....	644	25,079	647	647	799	151	22,935	Jy 28,936	Ja 14,401	24,795	24,588	148	59		94,914		

1 No figures given for reasons explained in the Introduction.

STATISTICS OF MANUFACTURES.

THE STATE, BY INDUSTRIES: 1909.

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 \$537,134,359	\$476,154,254	\$11,166,478	\$11,788,930	\$84,141,477	\$13,077,882	\$312,160,192	\$3,651,151	\$8,121,203	\$2,195,153	\$20,851,770	\$529,760,528	\$204,522,454
2 2,359,158	2,245,031	58,490	64,688	451,083	31,830	1,409,348	870	17,508	3,703	207,511	2,669,051	1,228,473
3 447,925	532,973	31,381	4,252	239,178	2,748	216,768	9,218	1,699	.....	27,729	643,246	423,730
4 700,812	1,247,826	41,647	29,671	368,308	10,070	689,658	35,637	5,410	9,520	57,905	1,470,169	770,441
5 547,052	1,043,329	45,550	21,547	39,778	9,451	837,408	11,462	1,537	.....	76,596	1,120,293	273,434
6 241,702	317,844	13,131	4,183	94,070	2,156	178,188	7,998	1,415	126	15,977	357,375	177,031
7 172,973	253,045	15,000	10,785	26,892	2,916	179,334	4,920	658	.....	13,040	291,449	109,199
8 22,797	25,379	1,525	603	9,208	493	9,613	2,015	95	143	.....	21,291	69,109
9 26,834	57,124	5,605	6,100	11,910	580	21,125	3,844	109	.....	7,779	90,820	69,109
10 1,192,217	1,718,523	42,450	46,891	402,488	12,422	1,107,402	18,000	3,788	.....	85,082	1,924,278	804,454
11 42,843	81,290	5,400	2,040	20,300	900	46,646	1,440	481	.....	4,083	84,653	37,107
12 730,934	903,550	47,310	39,121	271,420	8,675	433,155	30,863	2,218	1,369	69,426	964,983	523,150
13 358,383	554,362	32,301	10,121	181,242	22,061	273,374	17,882	1,059	100	16,732	679,154	383,729
14 8,055,414	15,381,414	272,597	390,836	3,074,892	323,288	10,054,077	364,498	42,043	185	858,998	17,709,633	7,332,268
15 9,163,834	2,601,355	124,379	37,249	1,145,664	607,368	284,451	29,179	23,803	21,040	268,222	2,756,308	1,804,489
16 211,870	342,823	2,930	2,388	84,133	1,801	228,872	3,932	824	86	17,907	388,117	157,444
17 20,655	29,330	900	360	7,480	251	17,521	1,285	129	72	1,832	35,508	17,736
18 2,829,359	12,198,671	113,755	88,040	466,252	93,542	11,049,155	40,123	12,268	23,031	315,502	12,760,670	1,620,970
19 11,969	16,651	.....	.....	5,564	156	7,174	2,592	100	.....	1,055	27,381	20,051
20 18,810,474	31,003,217	593,052	457,351	3,453,555	251,413	23,757,809	85,555	70,857	59,247	2,244,368	32,914,829	8,905,607
21 58,996	70,106	5,400	3,692	40,772	1,601	9,970	2,856	228	.....	5,877	99,656	88,325
22 1,035,359	1,681,714	57,312	16,592	609,720	45,633	803,433	61,348	9,068	11,363	67,305	2,052,434	1,203,368
23 4,720,924	18,718,805	129,257	240,487	8,393,722	264,301	9,285,025	350	29,890	2,714	363,968	18,718,805	9,169,388
24 2,138,838	3,009,473	50,831	46,553	1,675,985	32,830	1,110,008	900	19,970	200	63,196	3,009,473	1,857,635
25 143,408	269,921	12,540	8,382	97,742	5,233	130,184	2,400	917	.....	12,523	299,967	164,550
26 24,013,715	4,408,806	89,453	106,031	1,649,738	1,511,850	670,021	120	29,843	0,974	344,776	6,504,127	4,322,256
27 2,788,028	1,155,870	40,180	25,505	168,190	71,461	930,124	720	12,873	.....	146,537	1,306,373	544,783
28 2,257,530	4,615,767	83,232	118,113	1,050,806	21,815	2,873,081	80,753	9,980	112,186	200,241	5,120,509	2,225,613
29 642,890	1,457,039	32,482	67,119	350,266	11,223	805,741	44,728	2,078	13,644	70,480	1,672,313	796,049
30 3,323,698	6,035,341	126,094	406,014	244,771	37,308	4,570,856	74,968	14,818	.....	551,512	6,492,091	1,874,927
31 736,204	390,900	16,291	17,148	67,134	3,953	237,399	4,800	3,938	4,170	37,067	436,826	195,474
32 2,122,501	3,245,399	103,654	164,310	459,354	50,140	2,088,307	93,918	9,069	50	272,987	3,624,045	1,485,598
33 1,546,578	2,076,259	41,804	25,478	323,357	6,693	1,570,518	13,548	6,925	2,224	83,712	2,167,222	588,011
34 7,179,573	6,003,265	201,698	117,460	1,658,737	46,165	3,518,091	91,985	25,052	4,964	338,515	6,803,761	3,238,905
35 81,892	72,321	375	.....	34,090	3,165	28,022	3,370	356	.....	2,943	93,647	62,460
36 256,615	380,609	21,408	16,999	45,450	2,300	255,068	3,284	973	.....	35,137	414,519	157,161
37 779,137	1,407,142	54,422	47,810	240,320	13,254	914,862	20,800	2,583	900	112,191	1,612,983	684,867
38 47,387	80,290	4,276	3,857	33,922	5,302	22,852	4,989	210	.....	4,822	97,522	69,308
39 63,740	44,718	2,711	1,080	17,448	1,704	11,635	3,944	312	.....	5,794	64,250	51,421
40 2,096,654	2,167,719	38,066	34,169	154,802	28,746	1,767,032	10,041	10,235	.....	118,628	2,312,555	510,777
41 2,188,686	1,350,874	37,214	14,899	83,409	14,899	1,152,093	.....	1,873	.....	46,487	1,576,798	409,806
42 74,085	102,841	6,900	4,923	27,242	554	40,941	8,655	370	.....	4,250	122,019	71,524
43 13,423,522	23,747,093	253,919	259,678	731,700	179,419	21,712,532	13,835	65,157	7,714	523,130	25,188,133	3,296,182
44 3,332,479	4,085,055	119,344	107,973	405,925	55,350	3,814,942	46,455	10,730	10,814	317,116	5,508,097	1,537,799
45 28,693,493	24,487,555	1,028,734	808,466	7,311,782	600,977	12,299,914	281,159	113,840	216,253	1,831,430	20,730,891	13,890,000
46 91,932	221,205	5,625	6,090	74,890	1,587	115,146	13,025	515	.....	3,727	301,910	189,177
47 318,183	629,180	7,610	27,830	65,908	1,342	455,807	9,051	2,290	619	57,723	721,251	294,102
48 3,031,691	3,958,800	133,806	91,737	1,507,977	50,145	1,807,966	119,840	10,010	34,430	203,789	4,496,067	2,637,956
49 1,742,854	1,652,221	102,226	130,216	446,870	21,797	1,277,964	23,029	6,281	.....	89,858	1,714,083	964,922
50 47,074,050	6,530,387	311,713	512,005	1,407,704	2,288,476	315,353	6,487	324,840	207	1,363,002	8,926,544	6,322,715
51 1,039,429	1,031,751	68,270	60,871	267,240	3,166	554,764	7,113	2,838	900	60,589	1,230,852	672,922
52 184,504	230,832	21,069	34,936	74,855	1,903	71,130	17,729	354	130	9,136	280,223	207,785
53 36,673	82,949	3,300	1,832	24,822	915	45,253	3,159	99	.....	3,572	103,493	57,823
54 515,170	436,259	30,720	32,703	112,261	1,819	197,813	5,443	903	.....	54,597	451,970	252,338
55 7,781,176	1,724,332	145,324	66,788	572,400	430,375	133,267	7,250	46,066	3,618	313,784	2,331,302	1,767,030
56 2,645,025	3,467,491	44,691	36,029	828,522	159,207	2,188,571	225	6,072	.....	204,174	3,519,824	1,172,046
57 462,289	1,345,503	37,700	27,175	477,003	12,282	651,239	47,536	1,416	1,060	89,492	1,556,859	393,318
58 249,020	292,717	13,385	8,475	54,152	3,031	105,783	8,266	787	.....	8,838	297,426	128,622
59 1,944,810	1,918,141	68,705	84,418	457,714	7,543	1,093,808	54,439	5,973	176	150,305	2,244,459	1,148,138
60 8,555,102	8,780,949	100,059	55,006	987,550	74,336	6,965,117	2,260	20,397	1,651	514,678	9,300,545	2,927,092
61 1,380,679	553,856	29,000	25,869	233,505	113,843	98,200	667	7,585	95	45,092	609,145	307,102
62 2,476,095	4,996,241	35,872	22,463	128,245	93,985	770,942	34,489	3,796,362	788	145,005	5,352,651	4,517,724
63 18,804,353	7,615,083	337,142	208,305	1,890,880	264,962	2,294,529	15,790	1,278,531	.....	1,822,964	9,319,041	6,759,560
64 20,188,855	7,386,897	211,281	217,422	681,824	131,036	4,542,905	89,760	709,622	43,703	759,344	8,985,848	4,282,967
65 55,165,260	40,609,463	1,843,978	893,347	15,651,040	281,095	18,087,805	211,804	445,890	317,009	3,377,495	45,000,276	20,631,876

* Same number reported for one or more other months.

TABLE II.—DETAIL STATEMENT FOR THE

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, supts. and managers.	Clerks.		Average number.	Wage earners.		Total.	16 and over.		Under 16.				
					Male.	Female.		Number.			Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.								
1 Marble and stone work.....	128	1,724	155	65	75	14	1,415	Ja	1,501	No	1,344	1,442	1,440	.....	2	.....	3,562
2 Mattresses and spring beds.....	35	671	25	45	45	28	528	No	588	Ap	495	589	517	62	9	1	727
3 Millinery and lace goods.....	23	227	24	13	16	8	166	De	214	Je	91	238	83	150	.....	5	110
4 Mirrors.....	6	56	7	1	.....	2	46	Oc ¹	47	Ja	43	45	45	.....	.....	.....	110
5 Models and patterns, not including paper patterns.	26	135	36	.....	5	1	93	No	100	Jy	87	93	74	13	6	.....	163
6 Musical instruments and materials, not specified.	5	14	6	.....	.....	.....	8	Ja ²	8	Jy ²	8	9	9	.....	.....	.....	.....
7 Musical instruments, pianos and organs and materials.	11	78	9	8	2	2	57	Ja	74	Se	49	55	55	.....	.....	.....	63
8 Optical goods.....	6	59	7	4	10	6	32	My ¹	33	Ap ¹	31	32	31	.....	1	.....	14
9 Paint and varnish.....	35	530	14	54	51	15	395	Jy	440	Ja	357	378	353	21	4	.....	1,387
10 Paper and wood pulp.....	4	340	2	10	11	5	312	De	330	Oc	285	330	324	6	.....	.....	7,163
11 Paper goods, not elsewhere specified..	8	127	3	10	6	7	101	No	112	Se	94	117	52	65	.....	.....	86
12 Patent medicines and compounds and druggists' preparations.	89	574	56	61	55	92	310	My ¹	315	Je	304	329	159	160	6	4	347
13 Petroleum, refining.....	29	1,146	4	66	119	27	930	No	974	Mh	862	948	947	1	.....	.....	5,630
14 Photo-engraving.....	20	274	21	25	22	16	190	Fe ¹	199	Jy	160	200	190	5	5	.....	119
15 Pottery, terra-cotta, and fire-clay products.	26	1,167	12	46	71	11	1,027	Au	1,120	Ja	879	1,133	1,124	6	3	.....	2,856
16 Printing and publishing.....	1,240	12,215	1,151	652	2,209	647	7,556	De	7,925	Ja	7,350	7,967	6,525	1,253	178	11	7,674
17 Pumps, not including steam pumps.....	6	66	4	5	0	1	50	Se	56	Ja	47	48	48	.....	.....	.....	128
18 Rubber goods, not elsewhere specified.	5	103	.....	9	15	5	74	Oc	88	De	61	61	42	19	.....	.....	209
19 Salt.....	19	469	22	23	18	4	402	No	519	Fe	313	468	464	4	.....	.....	1,228
20 Shipbuilding, including boat building..	43	2,006	39	48	67	8	1,844	No	2,553	My	1,512	2,386	2,378	2	6	.....	3,129
21 Show cases.....	11	66	15	2	1	1	47	Ja ¹	56	Au	39	54	54	.....	.....	.....	82
22 Signs and advertising novelties.....	8	67	7	4	0	.....	47	De	56	Oc	44	50	54	2	.....	.....	24
23 Silverware and plated ware.....	3	16	4	.....	1	.....	11	Ja ²	11	Jy ²	11	11	11	.....	.....	.....	9
24 Slaughtering and meat packing.....	94	2,135	111	105	249	29	1,641	De	1,709	Je	1,586	1,723	1,678	31	13	1	3,867
25 Stereotyping and electrotyping.....	3	29	6	4	1	2	16	Se ¹	17	Ja ¹	15	16	16	.....	.....	.....	42
26 Stoves and furnaces, including gas and oil stoves.	17	266	11	11	25	4	215	No	248	Je	185	244	242	.....	2	.....	152
27 Sulphuric, nitric, and mixed acids.....	6	247	.....	11	16	3	217	Fe	230	Au	203	210	210	.....	.....	.....	785
28 Surgical appliances and artificial limbs.	13	62	12	4	4	.....	42	Ja ¹	45	Au ¹	39	39	33	5	1	.....	26
29 Tobacco manufactures.....	332	2,189	613	41	62	8	1,465	Mh	1,499	Au	1,423	1,541	1,189	316	28	8	71
30 Type founding and printing materials.	3	21	.....	4	4	1	12	De	14	Ja ¹	10	13	11	1	.....	.....	21
31 Umbrellas and canes.....	4	10	5	.....	.....	.....	5	De	6	Ja ¹	5	6	2	4	.....	.....	3
32 Wall plaster.....	7	78	1	11	10	2	54	Au	63	Mh	36	68	68	.....	.....	.....	701
33 Whips.....	3	13	3	.....	1	.....	9	Ja ²	9	Jy ²	9	9	9	.....	.....	.....	.....
34 All other industries.....	554	12,282	551	506	1,080	306	9,839	.....	.....	.....	.....	.....	.....	.....	.....	.....	44,111

¹ Same number reported for one or more other months.
² Same number reported throughout the year.
³ All other industries embrace—

Artificial flowers and feathers and plumes.....	2	Cordage and twine and jute and linen goods.....	2	Glue.....	3
Awnings, tents, and sails.....	27	Cordials and sirups.....	7	Gold and silver, leaf and foil.....	2
Axle grease.....	1	Corsets.....	2	Gold and silver, reducing and refining, not from the ore.....	1
Bags, other than paper.....	7	Dyestuffs and extracts.....	1	Grease and tallow.....	7
Bags, paper.....	2	Engraving and diesinking.....	5	Hair work.....	12
Baking powders and yeast.....	4	Explosives.....	2	Hat and cap materials.....	1
Beef sugar.....	9	Files.....	1	Hats, fur-felt.....	2
Baiting and hose, woven and rubber.....	1	Fireworks.....	1	House-furnishing goods, not elsewhere specified.....	8
Bluing.....	1	Flavoring extracts.....	17	Ink, printing.....	2
Candles.....	2	Foundry supplies.....	2	Ink, writing.....	1
Carriages and sleds, children's.....	1	Fuel, manufactured.....	3	Instruments, professional and scientific.....	8
Cash registers and calculating machines.....	1	Galvanizing.....	2	Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.....	1
Charcoal.....	1	Glass.....	3	Iron and steel forgings.....	3
Chocolate and cocoa products.....	2	Glass, cutting, staining, and ornamenting.....	28		
Clocks and watches, including cases and materials.	2	Glucose and starch.....	1		

STATISTICS OF MANUFACTURES.

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STATE, BY INDUSTRIES: 1909—Continued.

	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													
2	\$3,144,882	\$2,890,227	\$125,548	\$84,740	\$1,241,205	\$66,234	\$1,116,301	\$27,376	\$15,804	\$113,842	\$99,177	\$3,379,715	\$2,197,180
3	1,351,331	2,001,328	82,788	66,034	800,638	16,333	1,227,112	42,896	4,406	135	201,486	2,163,914	920,469
4	283,883	374,585	17,180	16,551	89,916	3,077	215,338	15,625	349		16,549	412,582	194,167
5	133,746	163,710	2,400	635	44,990	4,406	100,057	1,380	2,318	1,020	6,504	185,806	81,343
6	72,426	151,422		3,460	77,876	3,836	48,342	10,597	254		6,503	194,805	142,627
7	10,220	10,897			6,534	36	2,965	812	109		441	16,108	13,107
8	189,183	135,990	12,301	1,485	60,403	2,194	38,776	4,976	845		15,019	150,308	109,338
9	70,022	114,354	6,200	12,890	23,846	1,219	59,092	4,776	375		5,956	137,595	77,284
10	2,074,666	3,244,074	104,140	54,041	275,177	35,566	2,610,523	16,133	8,785	267	133,382	3,753,090	1,105,996
11	2,068,048	757,198	25,840	10,410	206,622	99,432	340,963	2,505	6,554		64,372	909,172	523,777
12	185,920	204,860	9,093	5,749	58,176	6,133	94,975	6,193	415		24,121	223,528	122,415
13	993,937	1,254,317	113,832	97,751	147,931	10,066	623,885	36,888	6,964	430	211,580	1,548,977	910,026
14	18,880,760	15,812,573	211,843	155,643	800,504	1,180,787	12,716,934	20,406	62,137	280	664,039	17,878,006	3,980,285
15	224,601	373,661	39,445	27,590	195,599	7,577	55,822	18,835	593	1,970	25,920	444,933	381,464
16	3,645,162	1,534,081	104,303	80,012	641,227	243,443	256,746	2,209	21,144	8,316	171,681	1,797,129	1,291,940
17	17,107,899	21,017,808	1,253,999	2,575,235	6,432,161	249,413	6,077,885	595,771	72,468	807,294	2,953,577	25,031,877	13,704,574
18	171,082	137,019	10,200	5,500	43,407	2,444	30,391	3,512	532	21,080	10,953	167,233	125,398
19	235,320	294,365	15,000	21,441	60,600	4,900	133,975	4,234	812		23,313	322,727	163,752
20	2,022,663	579,661	84,960	20,870	211,672	26,925	215,420	21,675	3,656	950	43,733	746,211	503,866
21	8,329,206	3,948,413	122,450	93,167	1,592,211	73,460	1,163,539	23,662	24,315	273,169	582,390	4,132,176	2,395,127
22	119,155	135,146	2,916	900	46,626	2,797	72,476	3,733	626		5,072	154,418	79,145
23	51,333	103,745	7,278	9,585	46,041	2,608	29,188	3,776	208	600	4,373	118,850	86,966
24	12,839	20,085	1,640	8,200	4,464	6,145	2,775	26			336	25,190	18,581
25	11,403,407	31,533,926	246,164	303,557	1,306,846	184,764	28,263,293	49,849	41,875	3,743	1,133,835	34,280,003	5,831,946
26	50,981	60,679	5,880	1,952	11,647	2,258	19,699	3,036	114		16,093	72,021	50,064
27	412,835	460,368	15,745	26,923	173,501	9,070	196,806	7,782	1,450	2,605	26,483	514,187	308,311
28	2,014,500	1,112,402	38,020	19,205	172,864	105,811	634,504	8,889	8,889		133,109	1,160,937	420,622
29	40,241	94,082	8,915	3,090	31,541	995	31,230	6,379	309		16,653	114,251	82,026
30	1,022,147	2,820,358	65,069	67,005	857,260	4,026	1,212,923	77,755	280,465	10,107	245,143	3,360,495	2,143,546
31	43,698	40,450	3,120	1,070	9,769	619	20,243	2,080	137		3,412	44,695	23,533
32	5,560	8,980			2,974	27	3,151	2,524	28		276	12,174	8,996
33	342,301	212,544	16,992	6,679	57,533	13,642	95,613	1,566	1,100		19,479	180,655	77,400
34	55,625	13,343		576	5,504	43	5,215	300	187		1,513	18,850	13,592
35	140,057,235	108,682,968	1,357,803	1,556,809	7,166,537	2,334,923	91,740,404	399,922	317,510	26,423	3,782,337	120,325,916	26,250,589

¹ All other industries embrace—Continued.

Iron and steel pipe, wrought.....	4	Photographic apparatus and materials.....	4	Stationery goods, not elsewhere specified.....	1
Jewelry and instrument cases.....	3	Pipes, tobacco.....	1	Statuary and art goods.....	17
Kaolin and ground earths.....	2	Roofing materials.....	5	Steam packing.....	2
Labels and tags.....	5	Safes and vaults.....	2	Sugar, refining, not including beet sugar.....	2
Lead, bar, pipe, and sheet.....	1	Saws.....	1	Typewriters and supplies.....	2
Looking-glass and picture frames.....	16	Scales and balances.....	1	Upholstering materials.....	5
Malt.....	4	Shoddy.....	1	Vault lights and ventilators.....	1
Matches.....	4	Silk and silk goods, including throwsters.....	3	Vinegar and cider.....	14
Mineral and soda waters.....	154	Smelting and refining, copper.....	3	Washing machines and clothes wringers.....	2
Mucilage and paste.....	3	Smelting and refining, lead.....	2	Window shades and fixtures.....	18
Oakum.....	2	Smelting and refining, not from the ore.....	1	Wirework, including wire rope and cable.....	20
Oil, essential.....	1	Soap.....	23	Wood, turned and carved.....	15
Oil, not elsewhere specified.....	8	Soda-water apparatus.....	2	Wool pulling.....	1
Paving materials.....	1	Sporting and athletic goods.....	3	Wool scouring.....	3
Pens, fountain, stylographic, and gold.....	1	Spring, steel, car and carriage.....	1	Woolen, worsted, and felt goods, and wool bats.....	5

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

LOS ANGELES.

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.							
All industries	1,325	21,875	1,181	919	1,990	458	17,327	15,065	2,075	187	19,326	16,686	2,428	170	42	33,166
Artificial stone.....	8	97	11	4	2	2	80	80			90	90				15
Boots and shoes, including cut stock and findings.....	4	38	3	1	2	1	31	23	8		30	22	8			44
Brass and bronze products.....	8	70	7	5	3		55	55			60	60				99
Bread and other bakery products.....	159	1,445	176	35	95	33	1,106	787	305	14	1,220	868	390	5	11	901
Brick and tile.....	8	412		14	5	2	301	374		17	425	407		18		1,451
Brooms.....	4	52	4			1	47	47			49	49				16
Brushes.....	4	11	4	1	1	1	5	4	1		11	10	1			10
Butter, cheese, and condensed milk.....	4	61		7	8	2	44	44			45	45				168
Canning and preserving.....	21	479	20	17	26	7	409	205	196	8	800	402	383	18	2	471
Carriages and wagons and materials.....	23	195	24	5	1	5	160	158		2	164	162		2		102
Cars and general shop construction and repairs by steam-railroad companies.....	4	1,938		17	33	1	1,887	1,887			1,957	1,957				1,083
Clothing, men's, including shirts.....	15	505	19	7	16	11	452	48	401	3	453	45	402		3	99
Clothing, women's.....	12	199	15	8	11	4	161	39	122	3	161	39	122			42
Coffee and spice, roasting and grinding.....	11	184	6	12	49	7	90	61	29		91	52	29			241
Confectionery.....	11	163	11	8	14	10	120	45	75		151	57	94			30
Cooperage and wooden goods, not elsewhere specified.....	6	44	7	1	2	1	33	33			39	39				89
Copper, tin, and sheet-iron products.....	53	439	59	19	5	4	332	334	15	3	389	368	17	4		147
Electrical machinery, apparatus, and supplies.....	12	104	4	13	4	4	79	75	3	1	94	89	4	1		104
Fancy articles, not elsewhere specified.....	9	36	11	2			23	15	7	1	27	18	8		1	50
Flour-mill and gristmill products.....	7	194		16	40	3	135	131	4		140	136	4			1,200
Food preparations.....	22	187	26	10	16	4	131	65	66		178	88	90			230
Foundry and machine-shop products.....	113	2,840	84	118	180	45	2,422	2,412	2	8	2,802	2,700	3	9		3,852
Furniture and refrigerators.....	42	409	42	20	19	8	350	362	16	2	431	411	18	2		534
Gas and electric fixtures and lamps and reflectors.....	15	288	7	20	53	12	196	193	1	2	211	208	1	2		230
Hand stamps and stenols and brands.....	3	41	3	4	11	1	22	20	1	1	23	21	1	1		18
Ice, manufactured.....	6	321		14	29	6	272	271	1		270	269	1			2,206
Jewelry.....	16	112	21	5	9	5	72	70		2	94	91		2	1	37
Leather goods.....	32	322	28	16	55	8	215	162	47	6	258	194	57	7		70
Liquors, malt.....	4	290		20	24	4	242	242			248	248				1,682
Liquors, vinous.....	13	40	15	1	1		23	23			39	39				110
Lumber and timber products.....	61	1,816	45	66	129	18	1,558	1,542	5	11	1,706	1,689	5	12		6,207
Marble and stone work.....	14	108	22	1	8	2	75	75			75	75				268
Mattresses and spring beds.....	11	214	9	11	16	10	108	149	19		197	176	22			187
Models and patterns, not including paper patterns.....	6	20	7				13	7			14	8				33
Paint and varnish.....	6	67	3	11	15	3	35	35			35	35				158
Patent medicines and compounds and druggists' preparations.....	35	144	26	14	8	5	91	36	47	8	108	43	56	5	4	62
Petroleum, refining.....	10	133		16	11	6	100	100			105	105				430
Pottery, terra-cotta, and fire-clay products.....	8	122	7	10	7		98	98			94	94				315
Printing and publishing.....	234	2,545	196	138	538	136	1,537	1,215	267	55	1,681	1,329	292	54	6	1,220
Slaughtering and meat packing.....	6	605	3	14	75	6	507	484	14	9	540	515	15	9	1	747
Surgical appliances and artificial limbs.....	6	31	4	3	3		21	15	6		19	14	5			8
Tobacco manufactures.....	33	225	38	7	4		176	129	38	9	193	141	46	2	8	8
All other industries ¹	246	4,280	214	208	463	82	3,313	2,915	378	25	3,698	3,170	406	22	5	8,088

¹ All other industries embrace: Agricultural implements, 2; automobiles, including bodies and parts, 26; awnings, tents, and sails, 6; babbitt metal and solder, 1; baking powders and yeast, 1; bicycles, motorcycles, and parts, 2; blacking and cleansing and polishing preparations, 3; boxes, cigar, 1; boxes, fancy and paper, 6; buttons, 6; candles, 1; carpets, rag, 3; cars and general shop construction and repairs by street-railroad companies, 2; cars, steam-railroad, not including operations of railroad companies, 1; cash registers and calculating machines, 1; chemicals, 1; coffins, burial cases, and undertakers' goods, 2; cordials and sirups, 1; corsets, 1; cutlery and tools, not elsewhere specified, 7; dairymen's, poultryers', and apiarists' supplies, 3; electroplating, 3; engraving and diesinking, 3; fertilizers, 4; flags, banners, regalia, society badges, and emblems, 2; flavoring extracts, 3; fuel, manufactured, 2; fur goods, 1; furnishing goods, men's, 4; gas, illuminating and heating, 6; glass, 1; glass, cutting, staining, and ornamenting, 9; gloves and mittens, leather, 1; hair work, 3; hats and caps, other than felt, straw, and wool, 3; hosiery and knit goods, 2; house-furnishing goods, not elsewhere specified, 1; ink, writing, 1; instruments, professional and scientific, 3; iron and steel, steel works and rolling mills, 1; iron and steel pipe, wrought, 3; jewelry

OAKLAND.

All industries	441	8,538	554	347	533	199	6,905	5,801	1,064	240	7,987	6,162	1,581	160	104	13,683
Bread and other bakery products.....	57	447	69	12	23	31	312	239	70	3	395	303	89	3		203
Butter, cheese, and condensed milk.....	4	73	1	5	10	4	53	39	14		53	39	14			50
Canning and preserving.....	9	469	11	17	11	5	425	134	283	8	1,087	843	724	7	13	160
Carriages and wagons and materials.....	10	65	10	7	2	1	45	45			44	44				191
Confectionery.....	6	127	6	3	12	34	72	24	48		74	25	49			8
Copper, tin, and sheet-iron products.....	12	85	10	5	5	1	55	55			68	68				52
Flour-mill and gristmill products.....	3	52		6	8	2	30	35	1		37	36	1			228
Food preparations.....	6	53	8	5	10	2	23	24	4		28	24	4			41
Foundry and machine-shop products.....	44	891	39	44	44	17	747	737	1	9	823	812	1	10		993
Liquors, malt.....	4	95	1	10	6		78	78			78	78				652
Lumber and timber products.....	31	914	21	35	43	7	808	803		5	814	800		5		3,421
Pottery, terra-cotta, and fire-clay products.....	3	45	2	2	4		37	37			40	40				210
Printing and publishing.....	70	612	65	41	134	41	331	272	39	20	343	283	40	19	1	540
Tobacco manufactures.....	27	183	78	2	1	1	101	84	15	2	107	89	16	2		4
All other industries ²	155	4,427	224	153	220	53	3,777	2,995	589	193	3,996	3,169	623	114	90	6,920

² All other industries embrace: Artificial stone, 3; automobiles, including bodies and parts, 3; awnings, tents, and sails, 1; babbitt metal and solder, 1; baking powders and yeast, 1; baskets, and rattan and willow ware, 2; bicycles, motorcycles, and parts, 1; blacking and cleansing and polishing preparations, 3; boots and shoes, including cut stock and findings, 1; boxes, fancy and paper, 1; brass and bronze products, 5; brooms, 2; brushes, 2; carpets, rag, 1; cars and general shop construction and repairs by steam-railroad companies, 1; cars and general shop construction and repairs by street-railroad companies, 1; chemicals, 2; clothing, men's, including shirts, 4; clothing, women's, 10; coffee and spice, roasting and grinding, 1; coffins, burial cases, and undertakers' goods, 1; cooperage and wooden goods, not elsewhere specified, 1; cordage and twine and jute and linen goods, 1; cordials and sirups, 1; cutlery and tools, not elsewhere specified, 1; electrical machinery, apparatus, and supplies, 2; electroplating, 1; fancy articles, not elsewhere specified, 1; flags, banners, regalia, society badges, and emblems, 1; flavoring extracts, 2; furnishing goods, men's, 1; furniture and refrigerators, 4; gas and electric fixtures and lamps and reflectors, 1; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 2; gloves and mittens, leather, 4; grease

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.

LOS ANGELES.

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 \$59,518,398	\$61,061,311	\$1,728,739	\$2,183,429	\$12,587,617	\$1,529,959	\$37,362,649	\$663,455	\$611,837	\$378,450	\$3,995,176	\$68,586,274	\$29,673,666
2 69,648	115,394	7,440	1,710	65,614	1,216	29,801	1,978	395	.....	7,240	146,961	115,944
3 61,880	70,575	1,800	5,148	23,930	1,229	34,102	3,000	101	.....	1,765	75,017	39,686
4 85,560	124,900	10,500	1,920	46,135	6,538	53,261	3,714	194	.....	2,638	192,086	132,287
5 1,836,925	4,170,998	67,106	132,466	701,608	66,810	2,803,474	83,757	11,492	185	304,100	4,670,076	1,799,792
6 1,432,931	526,765	24,800	6,988	215,399	125,072	107,763	1,165	5,726	.....	.....	658,070	425,235
7 105,009	118,728	.....	300	24,597	614	78,559	120	367	36	14,135	135,444	56,271
8 10,860	12,660	900	360	3,378	124	6,531	625	86	72	584	15,400	8,745
9 172,492	1,375,790	12,400	7,427	35,520	2,850	1,303,710	6,115	539	.....	7,229	1,417,232	110,672
10 983,222	1,099,344	33,682	30,088	174,530	13,378	757,597	3,904	5,370	1,362	79,435	1,254,724	483,749
11 304,762	400,529	5,522	2,022	119,084	7,275	244,749	12,435	1,418	.....	8,024	481,395	229,371
12 740,904	3,362,118	27,305	31,187	1,632,371	53,815	1,547,591	.....	2,078	.....	67,773	3,362,118	1,760,712
13 228,799	744,746	9,400	22,701	185,701	4,189	482,262	18,187	2,608	700	18,998	821,704	335,253
14 131,005	265,848	10,672	15,211	71,819	2,080	162,345	9,205	446	.....	4,070	321,034	166,609
15 099,503	1,056,455	23,810	61,243	66,888	8,299	793,435	10,830	5,650	.....	86,300	1,150,334	348,600
16 168,182	300,418	9,356	19,020	48,157	4,099	199,610	4,590	1,316	.....	1,316	332,878	139,169
17 113,136	145,128	3,000	2,600	24,685	1,815	104,341	2,970	773	261	4,683	139,046	32,890
18 688,045	970,467	32,024	5,725	249,541	6,629	604,538	13,876	5,514	82	52,538	1,124,394	513,327
19 138,124	198,451	20,045	4,663	51,762	2,321	94,973	8,150	390	.....	16,147	211,188	113,894
20 31,787	31,838	1,451	.....	14,218	1,404	7,945	2,804	209	.....	3,807	48,000	33,651
21 2,076,229	5,008,021	50,270	48,267	94,881	21,426	4,808,319	.....	9,156	6,675	29,037	5,347,173	517,428
22 337,896	518,269	12,150	15,560	63,140	7,020	368,947	10,914	1,868	.....	37,526	580,351	204,384
23 7,293,185	6,994,154	219,019	218,288	1,896,622	178,398	3,576,409	53,065	33,665	133,153	680,535	7,776,796	4,021,989
24 586,244	784,767	29,564	21,298	309,583	9,251	344,933	18,438	2,828	2,300	40,672	941,439	587,255
25 510,491	601,838	43,309	61,976	161,619	7,850	288,763	10,780	3,297	.....	54,244	670,025	409,412
26 54,569	66,082	6,396	11,214	17,063	385	21,132	3,722	185	.....	6,005	91,510	69,993
27 2,701,827	633,294	47,735	33,082	223,825	112,494	29,568	1,290	17,065	.....	168,235	764,950	622,888
28 152,899	202,188	10,680	10,230	55,456	1,094	100,414	6,957	556	1,660	14,241	245,904	149,496
29 601,963	668,321	22,907	46,788	116,824	1,902	400,416	19,729	1,330	.....	58,425	757,174	354,556
30 3,840,107	1,238,557	66,780	30,425	257,864	35,836	325,979	150	228,324	.....	293,199	1,456,990	1,055,175
31 270,157	86,289	921	175	13,481	1,429	40,298	6,336	15,334	.....	7,815	136,206	94,479
32 3,790,975	5,143,748	111,966	114,426	1,108,483	23,699	3,505,479	80,655	22,831	1,607	224,602	5,688,649	2,154,471
33 221,551	203,561	1,330	7,732	71,532	4,167	111,613	1,876	892	.....	4,819	256,527	140,747
34 398,576	712,405	19,620	26,393	114,610	3,842	490,825	13,093	1,504	135	42,413	786,905	291,938
35 7,925	15,661	.....	.....	7,360	170	5,347	2,668	26	.....	220	28,150	23,683
36 305,004	445,362	13,800	18,801	29,893	2,905	355,348	5,170	1,960	.....	17,395	494,288	136,035
37 140,072	236,642	16,285	9,509	42,973	1,671	138,725	9,501	760	90	17,128	337,042	190,646
38 1,311,746	1,344,246	49,520	16,422	82,493	34,630	1,050,076	1,800	4,751	280	54,274	1,406,045	271,939
39 535,083	198,152	20,160	6,202	61,240	88,618	47,480	2,149	5,757	1,432	15,214	234,582	148,584
40 3,035,893	4,473,567	266,422	612,355	1,188,470	42,148	1,576,436	126,528	15,528	194,459	451,221	5,191,769	3,573,185
41 3,569,171	6,844,428	57,695	90,120	324,081	60,574	5,885,046	1,140	14,149	.....	411,623	7,464,295	1,518,675
42 18,425	51,376	3,315	2,700	13,977	416	14,236	3,880	184	.....	12,668	48,850	34,198
43 173,095	294,208	12,900	7,200	91,459	29	133,974	6,474	18,024	.....	24,148	344,421	210,418
44 18,984,981	9,146,023	345,282	422,559	2,456,579	579,448	4,386,299	139,845	167,113	27,817	591,879	10,979,432	6,013,686

and instrument cases, 1; labels and tags, 1; lapidary work, 10; looking-glass and picture frames, 6; millinery and lace goods, 6; mineral and soda waters, 6; mirrors, 2; mullage and paste, 2; musical instruments and materials, not specified, 3; musical instruments, pianos and organs and materials, 2; oil, not elsewhere specified, 1; optical goods, 1; paper and wood pulp, 1; pens, fountain, stylographic, and gold, 1; photographic apparatus and materials, 2; photo-engraving, 7; pipes, tobacco, 1; pumps, not including steam pumps, 2; rubber goods, not elsewhere specified, 1; scales and balances, 1; shipbuilding, including boat building, 5; show cases, 3; signs and advertising novelties, 3; soap, 6; soda-water apparatus, 2; statuary and art goods, 5; stereotyping and electrotyping, 1; stoves and furnaces, including gas and oil stoves, 7; sulphuric, nitric, and mixed acids, 1; type founding and printing materials, 1; umbrellas and canes, 3; upholstering materials, 1; vinegar and cider, 1; wall plaster, 2; whips, 2; window shades and fixtures, 3; wirework, including wire rope and cable, 5; wood, turned and carved, 6; woolen, worsted, and felt goods, and wool hats, 2.

OAKLAND.

1	\$19,113,246	\$20,559,203	\$670,153	\$630,144	\$5,317,241	\$769,818	\$11,077,415	\$224,282	\$180,415	\$39,063	\$1,650,672	\$22,342,926	\$10,495,693
2	569,044	1,252,247	18,360	35,287	254,054	28,590	806,642	41,071	4,261	.....	64,072	1,420,288	585,146
3	166,449	713,814	18,320	15,060	35,889	2,803	634,216	1,600	871	.....	10,095	741,711	104,692
4	974,432	946,704	28,939	15,261	173,068	14,108	659,825	5,681	3,095	.....	46,827	1,039,540	365,607
5	109,806	137,674	7,570	1,904	36,373	3,703	63,977	8,310	655	4,844	10,353	168,392	100,712
6	145,921	190,045	5,900	20,545	35,642	4,370	102,265	5,332	341	.....	18,590	222,465	115,860
7	98,125	156,543	10,036	3,637	51,877	1,004	79,732	3,312	947	.....	5,998	179,633	98,897
8	326,049	689,107	11,344	8,870	39,194	3,253	609,332	2,280	.....	14,284	690,900	77,825	
9	70,500	198,912	6,060	11,450	19,314	3,566	129,298	3,660	.....	23,268	213,738	30,979	
10	2,357,992	1,683,761	78,818	53,103	681,370	44,307	621,904	20,508	12,593	8,097	163,061	1,823,663	1,157,452
11	734,342	606,861	26,100	8,860	63,684	14,174	143,610	.....	91,430	.....	138,994	607,530	509,746
12	1,715,826	2,143,007	74,258	51,344	702,479	16,484	1,181,155	18,770	9,190	2,010	87,317	2,183,236	985,597
13	172,367	62,520	4,513	4,870	27,499	11,253	5,842	.....	179	.....	6,399	65,590	48,490
14	1,119,675	1,011,395	74,841	154,234	356,727	14,651	240,745	38,240	5,371	21,591	104,995	1,291,993	1,036,597
15	86,173	180,142	2,400	4,141	50,432	904	78,543	6,988	15,700	.....	6,034	182,637	108,150
16	10,436,545	10,699,471	307,634	236,578	2,769,639	606,793	5,724,779	70,950	33,177	2,521	948,400	11,451,475	5,119,903

and tallow, 1; hand stamps and stencils and brands, 2; ice, manufactured, 3; iron and steel, steel works and rolling mills, 1; jewelry, 3; leather goods, 3; leather, tanned, cured, and finished, 1; liquors, vinous, 1; marble and stone work, 2; mattresses and spring beds, 6; millinery and lace goods, 3; mineral and soda waters, 4; mirrors, 1; models and patterns, not including paper patterns, 3; optical goods, 1; paint and varnish, 5; paper goods, not elsewhere specified, 1; patent medicines and compounds and druggists' preparations, 4; photo-engraving, 1; safes and vaults, 1; slaughtering and meat packing, 7; shipbuilding, including boat building, 6; show cases, 2; silverware and plated ware, 2; smelting and refining, not from the ore, 1; statuary and art goods, 1; stoves and furnaces, including gas and oil stoves, 3; sulphuric, nitric, and mixed acids, 1; surgical appliances and artificial limbs, 2; upholstering materials, 1; washing machines and clothes wringers, 1; window shades and fixtures, 4; wirework, including wire rope and cable, 4; wood, turned and carved, 2.

TABLE III.—DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES—Continued.
SAN FRANCISCO.

INDUSTRY AND CITY.	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.	Male.	Female.		Under 16.	Male.	Female.	Male.	Female.		
																16 and over.	
1 All industries.....	1,796	36,910	2,544	1,653	3,377	1,092	28,244	22,852	5,173	219	29,596	23,917	5,440	174	65	49,934	
2 Artificial stone.....	10	89	12	6	1	2	68	67	.....	1	71	70	.....	1	.....	28
3 Baskets, and rattan and willow ware.....	7	129	7	2	2	1	117	40	77	.....	110	38	72	.....	.....	37
4 Belting and hose, leather.....	5	52	7	8	8	2	33	32	.....	1	32	31	.....	1	.....	131
5 Boots and shoes, including cut stock and findings.....	8	425	73	9	16	6	321	224	83	14	378	264	98	11	5	.....
6 Boxes, fancy and paper.....	10	321	6	15	13	6	281	99	153	19	299	105	174	2	18	225	
7 Brass and bronze products.....	13	154	13	10	8	2	121	117	1	3	123	119	1	3	.....	131
8 Bread and other bakery products.....	167	1,665	263	39	82	78	1,203	961	234	8	1,269	1,014	247	1	7	788	
9 Butter, cheese, and condensed milk.....	3	8	3	.....	.....	.....	5	4	1	.....	5	1	.....	.....	4	.....
10 Canning and preserving.....	17	1,011	47	36	53	12	903	481	422	.....	844	450	394	.....	.....	686
11 Carriages and wagons and materials.....	37	311	43	17	6	8	237	233	.....	4	231	227	.....	4	.....	248
12 Chemicals.....	4	139	.....	8	8	3	120	120	.....	.....	118	118	.....	.....	.....	720
13 Clothing, men's, including shirts.....	50	1,905	251	30	80	22	1,522	342	1,179	1	1,446	325	1,120	1	.....	335
14 Clothing, women's.....	41	835	199	16	30	20	570	161	406	3	639	181	455	3	.....	83
15 Coffee and spices, roasting and grinding.....	19	492	13	35	180	39	225	134	91	.....	245	146	99	.....	.....	775
16 Coffins, burial cases, and undertakers' goods.....	4	78	2	6	6	3	61	35	25	1	62	36	25	1	.....	151
17 Confectionery.....	27	689	36	27	51	36	539	171	353	15	702	223	459	4	16	299	
18 Cooperage and wooden goods, not elsewhere specified.....	11	321	8	13	9	9	282	281	.....	1	304	303	.....	1	.....	861
19 Copper, tin, and sheet-iron products.....	71	1,386	130	55	60	23	1,068	991	74	3	1,043	998	72	3	.....	691
20 Electrical machinery, apparatus, and supplies.....	10	160	7	9	10	5	129	105	23	1	141	115	25	1	.....	114
21 Electroplating.....	5	42	5	5	5	.....	27	27	.....	.....	30	30	.....	.....	.....	59
22 Flour-mill and gristmill products.....	9	172	6	12	45	2	107	101	6	.....	105	99	6	.....	.....	1,225
23 Food preparations.....	31	499	61	32	63	13	330	243	85	2	322	237	83	2	.....	900
24 Foundry and machine-shop products.....	167	3,456	129	204	223	72	2,823	2,803	4	16	2,789	2,769	4	16	.....	6,714
25 Furnishing goods, men's.....	3	109	4	2	15	11	77	15	62	.....	88	17	71	.....	.....	3
26 Furniture and refrigerators.....	51	1,223	51	37	79	8	1,048	1,031	13	4	1,047	1,040	13	3	1	1,237	
27 Gas and electric fixtures and lamps and reflectors.....	15	428	7	33	42	25	321	294	10	17	412	377	13	20	2	271	
28 Gloves and mittens, leather.....	9	165	10	5	13	4	128	43	80	.....	128	43	80	.....	.....	16
29 Hand stamps and stencils and brands.....	7	94	8	8	22	2	54	49	5	.....	58	53	5	.....	.....	55
30 Ice, manufactured.....	3	80	.....	7	4	2	67	67	.....	.....	66	66	.....	.....	.....	1,435
31 Jewelry.....	24	587	125	13	18	3	430	395	24	11	477	438	27	11	1	248	
32 Leather goods.....	20	357	17	16	27	7	290	241	48	1	301	250	50	1	.....	165
33 Leather, tanned, curried, and finished.....	17	619	15	27	14	5	558	558	.....	.....	592	592	.....	.....	.....	1,269
34 Liqueurs, malt.....	20	551	6	46	54	8	437	437	.....	.....	448	448	.....	.....	.....	1,701
35 Liqueurs, vinous.....	4	36	5	3	7	.....	21	21	.....	.....	20	20	.....	.....	.....	31
36 Lumber and timber products.....	68	1,667	47	97	63	21	1,439	1,433	1	5	1,426	1,420	1	5	.....	6,435
37 Marble and stone work.....	18	598	16	28	67	9	488	487	.....	1	440	439	.....	1	.....	1,227
38 Mattresses and spring beds.....	12	320	6	22	24	12	256	223	28	5	233	247	31	4	1	365	
39 Millinery and lace goods.....	12	140	12	7	11	4	106	41	61	4	159	62	92	.....	.....	97
40 Models and patterns, not including paper patterns.....	14	101	20	.....	5	1	75	62	7	6	72	59	7	6	.....	131
41 Musical instruments, pianos and organs and materials.....	7	27	8	2	1	1	15	15	.....	.....	17	17	.....	.....	.....	6
42 Paint and varnish.....	13	142	8	19	25	5	85	79	4	2	85	79	4	2	.....	352
43 Patent medicines and compounds and druggists' preparations.....	28	330	11	33	34	84	168	79	89	.....	162	76	86	.....	.....	131
44 Photo-engraving.....	9	140	4	13	16	12	95	92	3	.....	98	95	3	.....	.....	41
45 Printing and publishing.....	307	5,180	260	271	1,057	260	3,332	2,747	543	42	3,488	2,875	569	43	1	3,389	
46 Show cases.....	4	27	5	1	1	1	19	19	.....	.....	18	18	.....	.....	.....	23
47 Slaughtering and meat packing.....	31	471	47	31	50	2	341	340	.....	1	369	368	.....	1	.....	1,033
48 Tobacco manufactures.....	91	1,111	286	17	51	7	750	551	199	.....	748	560	198	.....	.....	99
49 All other industries.....	293	8,118	291	321	720	234	6,552	5,756	769	27	7,276	6,391	835	22	8	14,922	

1 All other industries embrace: Automobiles, including bodies and parts, 5; awnings, tents, and sails, 4; axle grease, 1; babbitt metal and solder, 3; bags, other than paper, 5; bags, paper, 1; baking powders and yeast, 2; blacking and cleaning and polishing preparations, 3; bluing, 1; boxes, oil, 1; brick and tile, 2; brooms, 7; brushes, 2; buttons, 2; candles, 1; carpets, rag, 4; carriages and sleds, children's, 1; cars and general shop construction and repairs by steam-railroad companies, 2; cars and general shop construction and repairs by street-railroad companies, 4; cars, steam-railroad, not including operations of railroad companies, 1; cement, 1; chocolate and cocoa products, 2; clocks and watches, including cases and materials, 2; cordage and twine and jute and linen goods, 1; cordials and syrups, 4; corsets, 1; cutlery and tools, not elsewhere specified, 3; dairymen's, poultrymen's, and apiculturists' supplies, 2; engraving and die-making, 2; fancy articles, not elsewhere specified, 1; fertilizers, 2; files, 1; fireworks, 1; flags, banners, regalia, society badges, and emblems, 3; flavoring extracts, 9; foundry supplies, 2; fur goods, 7; galvanizing, 2; gas, illuminating and heating, 3; glass, 2; glass, cutting, staining, and ornamenting, 12; glue, 3; gold and silver, reducing and refining, not from the ore, 1; grease and tallow, 4; hair work, 4; hats and caps, other than felt, straw, and wool, 4; hats, fur-felt, 2; hosiery and knit goods, 3; house-furnishing goods, not elsewhere specified, 2; ink, printing, 1; instruments, professional and scientific, 4; iron and steel, steel works and rolling mills, 1; iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills, 1; iron and steel forgings, 2; jewelry

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

1 ALAMEDA.....	51	1,076	50	36	48	27	915	896	17	2	1,098	1,075	20	3	.....	1,526
2 BAKERSFIELD.....	27	844	20	19	50	9	746	742	2	2	849	844	3	2	.....	610
3 BERKELEY.....	84	1,420	115	61	123	37	1,084	924	145	15	993	846	133	12	2	2,433
4 EUREKA.....	48	1,075	30	35	44	20	946	897	46	3	868	823	42	3	.....	3,001
5 FRESNO.....	76	2,262	43	104	135	42	1,938	1,168	745	25	2,603	1,568	1,001	15	19	3,403
6 LONG BEACH.....	51	413	49	25	47	15	277	262	14	1	320	303	16	1	.....	1,450
7 PASADENA.....	88	708	92	27	56	34	499	355	121	23	704	601	170	3	30	989
8 POMONA.....	30	285	32	5	14	10	224	111	113	.....	510	253	257	.....	.....	324
9 REDLANDS.....	37	260	36	18	50	9	147	123	23	1	200	167	31	2	.....	439
10 RIVERSIDE.....	53	399	56	26	21	29	287	253	12	2	317	301	14	2	.....	700
11 SACRAMENTO.....	211	5,260	219	217	233	88	4,514	4,032	464	18	4,760	4,252	489	19	.....	8,517
12 SAN BERNARDINO.....	41	833	33	19	87	10	729	714	10	5	773	757	11	5	.....	1,411
13 SAN DIEGO.....	117	1,440	99	84	133	48	1,071	955	102	14	1,230	1,097	117	14	.....	3,269
14 SAN JOSE.....	183	1,828	134	73	126	65	1,430	869	540	21	1,959	1,191	740	25	3	2,078
15 SANTA BARBARA.....	51	382	43	24	30	20	265	246	16	3	297	276	18	1	2	491
16 SANTA CRUZ.....	34	388	31	33	36	14	274	269	5	.....	275	270	5	.....	.....	1,327
17 STOCKTON.....	144	2,039	141	90	155	59	1,594	1,407	186	1	1,809	1,597	211	1	.....	5,016
18 VALLEJO.....	23	271	22	14	29	3	203	189	14	.....	222	207	15	.....	.....	1,616

STATISTICS OF MANUFACTURES.

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

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

SAN FRANCISCO.

	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	\$133,823,673	\$119,782,203	\$3,588,131	\$4,497,432	\$22,381,452	\$2,275,306	\$73,942,015	\$1,779,773	\$1,139,283	\$1,124,647	\$9,054,264	\$133,041,069	\$56,823,748
2	77,670	128,474	8,425	965	60,630	488	49,843	4,011	170	.....	3,930	161,227	100,896
3	107,397	191,241	8,400	2,800	49,087	742	117,050	7,340	397	.....	4,825	210,617	92,225
4	172,973	233,045	15,000	10,785	26,392	2,910	179,334	4,920	658	.....	13,040	291,449	109,199
5	672,102	857,500	21,800	13,832	203,853	5,430	547,546	12,440	2,130	.....	50,463	976,361	423,386
6	310,858	469,289	26,026	15,001	141,027	4,392	216,227	19,853	567	1,360	44,827	496,026	275,407
7	182,643	322,630	14,561	7,091	115,965	13,234	151,059	11,748	739	100	8,133	355,970	191,683
8	3,512,789	4,556,077	109,825	128,612	1,002,810	88,562	2,876,703	95,892	10,800	.....	242,873	5,268,132	2,302,807
9	10,725	41,662	.....	.....	3,425	72	35,087	1,860	7	.....	1,211	40,600	11,441
10	3,342,797	4,324,425	95,746	75,385	380,939	30,308	3,451,850	25,635	11,296	24,791	228,575	4,776,955	1,293,797
11	456,930	486,463	25,840	10,156	204,398	14,745	176,732	26,815	1,599	3,889	22,789	552,212	360,785
12	1,428,269	840,821	13,200	10,080	32,886	43,966	583,733	.....	6,602	.....	96,464	838,462	310,763
13	1,637,274	3,382,178	52,070	73,707	727,453	13,717	2,692,491	60,381	5,523	107,099	198,804	3,682,468	1,576,290
14	493,342	1,077,201	19,800	51,585	252,131	7,741	630,652	28,143	1,349	13,044	63,390	1,224,563	577,170
15	2,440,324	4,040,744	92,084	334,987	152,007	24,506	3,524,402	57,338	8,313	.....	456,502	4,972,739	1,423,831
16	432,292	229,441	9,576	6,108	39,132	2,700	149,497	1,200	2,465	4,170	14,503	271,520	119,239
17	1,151,450	1,532,208	70,572	67,107	249,427	25,479	904,048	58,049	3,044	.....	154,482	1,717,598	788,071
18	1,193,500	1,546,173	32,474	20,772	219,538	3,585	1,190,793	9,948	6,256	.....	63,807	1,603,925	409,547
19	5,190,542	3,322,638	123,387	78,141	947,381	29,725	1,842,007	58,716	8,545	4,782	229,954	3,644,058	1,772,926
20	163,140	284,543	17,875	12,820	77,311	3,239	139,482	9,566	360	900	23,290	322,040	179,319
21	34,215	62,298	3,076	3,857	24,404	3,072	19,717	3,512	147	.....	3,913	69,873	46,484
22	1,532,348	2,650,901	28,932	58,191	88,051	21,917	2,880,815	4,800	2,969	.....	67,620	2,781,354	378,622
23	1,056,210	2,183,807	68,089	59,907	191,064	23,217	1,655,517	19,480	3,791	.....	166,542	2,435,667	750,833
24	10,849,081	9,150,014	437,633	296,067	2,630,836	175,273	4,728,995	149,974	32,713	60,800	574,708	9,622,401	4,721,128
25	241,064	488,335	6,400	15,110	42,050	669	367,717	6,023	979	.....	49,787	664,368	195,982
26	2,180,051	2,750,576	84,562	56,088	1,016,633	34,618	1,301,044	88,795	6,024	31,138	130,774	3,057,400	1,721,738
27	1,129,061	846,788	52,837	60,810	256,813	12,166	417,616	14,939	2,462	.....	29,115	917,325	487,513
28	323,662	265,071	6,170	13,030	79,493	1,118	147,224	2,896	327	900	13,913	300,640	152,298
29	109,963	147,611	13,773	23,492	52,447	1,871	42,250	12,303	125	.....	1,350	161,901	117,680
30	1,659,395	211,117	15,080	7,056	99,140	59,062	13,944	.....	6,379	8,618	32,238	302,283	229,277
31	221,460	1,013,230	21,120	15,817	366,894	8,231	493,091	.....	34,520	561	72,396	1,121,151	619,229
32	724,691	696,003	22,738	32,691	205,539	3,089	344,754	18,520	1,897	.....	68,120	842,776	494,333
33	2,479,329	3,287,725	70,102	18,806	415,217	30,006	2,624,089	1,800	4,070	.....	129,425	3,622,171	907,526
34	7,567,270	2,971,499	129,150	91,187	508,241	81,183	614,106	12,810	496,327	.....	838,493	3,482,492	2,587,203
35	137,776	219,554	5,700	11,900	14,320	540	134,041	6,120	3,798	.....	38,135	236,821	102,240
36	2,832,701	4,081,117	179,353	95,310	1,346,071	40,941	2,092,442	115,684	11,721	2,910	196,085	4,377,645	2,244,262
37	1,221,483	1,520,253	68,258	64,312	413,111	24,839	772,530	17,636	6,357	109,979	52,231	1,634,982	837,018
38	782,699	985,054	43,733	172,549	8,038	558,358	22,598	2,133	.....	.....	133,713	1,036,296	459,900
39	212,443	254,219	10,800	9,910	60,639	2,152	146,102	11,070	191	.....	13,355	268,861	120,607
40	57,390	127,558	.....	3,460	66,073	3,250	41,260	6,989	170	254	6,102	153,149	108,639
41	60,223	39,326	2,800	530	17,869	681	13,182	1,170	351	.....	2,743	53,556	39,693
42	728,875	622,960	38,060	18,222	60,459	10,819	445,077	8,220	2,453	.....	39,050	767,934	302,038
43	644,029	838,154	82,285	71,658	82,223	6,381	379,677	21,904	4,303	340	198,383	989,062	609,004
44	108,302	209,437	20,388	17,704	105,201	4,093	29,872	10,150	273	.....	21,758	228,051	194,086
45	7,100,659	10,660,236	577,082	1,317,509	3,094,155	99,665	3,059,810	270,649	17,519	508,584	1,709,003	12,201,282	9,044,757
46	34,135	67,900	1,716	900	27,897	504	27,864	2,100	.....	.....	3,737	63,803	34,875
47	2,056,492	9,742,956	67,935	67,439	337,397	39,982	8,863,686	31,920	7,228	.....	327,369	10,269,012	1,300,244
48	855,225	1,524,946	35,681	49,632	423,756	2,111	612,261	35,465	181,835	10,032	174,143	1,838,203	1,218,831
49	63,004,964	33,717,795	740,704	1,000,211	5,214,062	1,258,786	22,548,313	388,431	234,665	224,897	2,047,721	38,153,426	14,346,322

and instrument cases, 2; kaolin and ground earths, 1; labels and tags, 3; lapidary work, 3; lead, bar, pipe, and sheet, 1; looking-glass and picture frames, 8; malt, 3; mineral and soda waters, 14; mirrors, 3; musical instruments and materials, not specified, 2; oakum, 2; oil, not elsewhere specified, 4; optical goods, 2; paper goods, not elsewhere specified, 6; photographic apparatus and materials, 2; pumps, not including steam pumps, 2; roofing materials, 1; rubber goods, not elsewhere specified, 3; safes and vaults, 1; saws, 1; shipbuilding, including boat building, 10; shoddy, 1; signs and advertising novelties, 4; silk and silk goods, including throwsters, 1; silverware and plated ware, 1; soap, 3; sporting and athletic goods, 3; springs, steel, car, and carriage, 1; stationery goods, not elsewhere specified, 1; statuary and art goods, 9; steam packing, 2; stereotyping and electrotyping, 2; stoves and furnaces, including gas and oil stoves, 4; sugar, refining, not including beet sugar, 1; sulphuric, nitric, and mixed acids, 1; surgical appliances and artificial limbs, 4; type founding and printing materials, 2; typewriters and supplies, 1; upholstering materials, 3; vault lights and ventilators, 1; vinegar and cider, 2; wall plaster, 3; whips, 1; window shades and fixtures, 6; wirework, including wire rope and cable, 5; wood, turned and carved, 4; wool scouring, 1.

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

1	\$3,002,220	\$2,307,413	\$105,410	\$65,482	\$796,947	\$57,775	\$871,578	\$16,902	\$24,747	\$8,226	\$360,346	\$2,554,417	\$1,025,064
2	1,791,474	2,585,056	42,180	51,943	664,325	58,399	1,641,292	6,981	12,585	680	106,671	2,818,744	1,119,053
3	3,464,693	4,134,822	117,965	136,297	836,963	94,818	2,692,060	30,445	297,037	2,050	294,141	4,435,374	1,748,496
4	3,806,220	2,710,000	67,009	56,976	673,243	42,181	1,451,804	12,632	46,044	133,326	227,785	3,011,682	1,517,697
5	4,933,094	10,377,223	191,601	136,679	1,102,582	148,865	7,843,426	46,384	170,880	12,954	724,453	11,090,195	3,097,905
6	1,325,876	847,008	34,886	52,768	206,975	54,355	444,015	11,638	11,755	.....	30,283	927,180	428,810
7	1,346,992	1,474,303	50,045	67,486	379,875	42,276	811,128	31,860	11,355	15,816	64,462	1,724,364	870,960
8	629,860	447,841	6,520	15,412	152,413	25,077	205,269	6,360	4,914	.....	31,876	559,661	329,315
9	1,104,473	427,272	21,648	25,340	103,327	29,565	209,040	6,319	6,239	207	28,578	518,320	279,715
10	1,101,627	1,000,010	18,429	31,112	213,594	43,016	624,222	8,608	7,036	2,095	51,898	1,177,962	510,724
11	10,097,168	12,783,480	345,551	270,664	3,917,687	334,236	6,559,262	75,591	226,333	22,734	1,031,442	13,076,911	7,083,413
12	1,242,110	1,559,669	25,763	68,707	639,079	68,841	694,443	6,800	16,104	.....	39,932	1,659,790	896,421
13	5,825,551	4,090,192	127,845	135,097	806,307	101,464	2,565,396	66,890	65,991	6,422	225,380	4,740,900	2,074,130
14	3,815,492	5,058,338	126,621	122,265	903,248	136,898	3,105,181	61,483	228,791	12,534	372,347	5,610,427	2,367,348
15	894,508	1,034,458	34,027	29,103	196,864	30,164	666,125	13,339	6,805	1,769,749	1,169,195	427,906
16													

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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 California 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 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 CALIFORNIA.

Summary.—Statistics for all mining enterprises in the state of California, including smelters, concentrating mills, and cyaniding plants operated in connection with gold and silver and copper mines, are presented in Table 8. This table gives statistics for all industries combined and for producing enterprises separately in all cases where the statistics could be given without disclosing the operations of an individual enterprise. Statistics for the most important nonproducing enterprises are also given separately.

The gross output of all mining industries in California in 1909 was valued at \$63,382,454. Deducting from this amount, \$2,762,660, the value of the gold and silver and copper ore sold by some establishments and used as materials by others, and the natural gas sold by some producers to others who sold it again, leaves \$60,619,794 as the net value of the products. Of this amount, petroleum and natural gas contributed \$29,306,185, or almost one-half. Gold and silver mining, the industry second in importance, reported products valued at \$18,324,618, of which amount, \$9,573,586 was produced at deep mines, and \$8,751,032 at placer mines. The next industry in importance was the production of copper, the net value of which amounted to \$7,463,233. California ranked fifth among the states in the total net value of all mineral products, second in the value of petroleum and natural gas, and second and fifth, respectively, in the value of gold and silver and copper produced.

In the operation of gypsum 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 which added to the permanent value of 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 1,329 operators for all industries combined, 587, or 44.2 per cent, were corporations. These corporations reported 91 per cent of the total value of products and employed 85 per cent of all wage earners. In the petroleum and natural gas industry 95.7 per cent of the value of products was reported by corporations.

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.
All industries.....	1,329	23,358	\$63,382,454	\$47,692	100.0	100.0	100.0
Individual.....	364	1,432	2,514,038	6,907	27.4	6.1	4.0
Firm.....	371	1,992	3,127,978	8,431	27.9	8.5	4.9
Corporation.....	587	19,852	57,651,197	98,213	44.2	85.0	91.0
Other.....	7	82	89,241	12,749	0.5	0.4	0.1
Petroleum and natural gas.....	339	7,007	29,310,335	86,461	100.0	100.0	100.0
Individual.....	49	100	943,500	19,250	14.5	2.4	3.2
Firm.....	26	66	303,559	11,075	7.7	0.9	1.0
Corporation.....	264	6,775	28,063,210	106,300	77.9	96.7	95.7
Gold and silver, Deep mines.....	395	6,622	9,690,956	24,534	100.0	100.0	100.0
Individual.....	103	531	616,678	5,987	26.1	8.0	6.4
Firm.....	152	897	1,072,531	7,056	38.5	13.5	11.1
Corporation.....	136	5,146	7,976,255	58,049	34.4	77.7	82.3
Other.....	4	48	25,492	6,373	1.0	0.7	0.3
Placer gold.....	392	3,073	8,751,032	22,324	100.0	100.0	100.0
Individual.....	148	300	526,837	3,560	37.8	11.9	6.0
Firm.....	161	522	3,347	41.1	41.1	17.0	6.2
Corporation.....	83	2,185	7,685,325	92,594	21.2	71.1	87.8

	Incorporated.	Unincorporated.
Number of operators.....	587	742
Number of mines and quarries.....	463	816
Number of wells.....	3,777	539
Proprietors and firm members, total.....		1,799
Number performing manual labor.....		856
Salaried employees:		
Officers of corporations.....	370	.....
Superintendents and managers.....	684	74
Clerks and other salaried employees.....	879	53
Wage earners, Dec. 15, 1909, or nearest representative day.....	19,852	3,506
Capital.....	\$236,535,964	\$17,041,588
Expenses of operation and development.....	47,504,083	5,000,595
Salaries:		
Officers of corporations.....	675,183	.....
Superintendents and managers.....	1,353,724	143,330
Clerks and other salaried employees.....	731,900	59,592
Wages.....	16,880,888	2,359,554
Royalties and rent of mines.....	2,299,082	514,277
Taxes.....	503,834	63,112
Supplies and miscellaneous expenses.....	22,020,602	1,463,590
Cost of ore purchased and of natural gas purchased and resold.....	2,370,570	362,090
Value of products.....	57,651,197	5,731,257

Size of enterprises.—In Table 3 the producing mining enterprises are classified according to the number of wage earners employed per enterprise or operating unit. Of the 1,333 enterprises reported, only 44 employed over 100 wage earners each. These enterprises, however, reported 45 per cent of all wage earners. In the copper industry 7 enterprises, each of which employed over 100 wage earners, reported 85.4 per cent of the wage earners in that industry.

Table 3

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	PRODUCING ENTERPRISES: 1909			
	Enterprises.		Wage earners.	
	Number.	Per cent distribution.	Number.	Per cent distribution.
All industries	1,333	100.0	23,358	100.0
No wage earners.....	179	13.4		
Contract work and part-time employees.....	55	4.1		
1 to 5.....	530	39.8	1,374	5.9
6 to 20.....	349	26.2	3,904	16.7
21 to 50.....	128	9.6	4,043	17.3
51 to 100.....	48	3.6	3,518	15.1
Over 100.....	44	3.3	10,519	45.0
Petroleum and natural gas	342	100.0	7,007	100.0
No wage earners.....	10	2.9		
Contract work and part-time employees.....	50	14.6		
1 to 5.....	08	28.7	304	4.3
6 to 20.....	132	38.6	1,479	21.1
21 to 50.....	31	9.1	909	13.8
51 to 100.....	9	2.6	586	8.4
Over 100.....	12	3.5	3,600	52.4
Copper	14	100.0	2,510	100.0
1 to 100.....	7	50.0	366	14.6
Over 100.....	7	50.0	2,144	85.4
Gold and silver, Deep mines	395	100.0	6,622	100.0
No wage earners.....	70	17.7		
Contract work.....	2	0.5		
1 to 5.....	162	41.0	414	6.3
6 to 20.....	86	21.8	907	14.6
21 to 50.....	46	11.6	1,302	20.6
51 to 100.....	13	3.3	1,040	15.7
Over 100.....	10	4.1	2,830	42.9
Placer gold	392	100.0	3,078	100.0
No wage earners.....	96	24.5		
Contract work.....	1	0.3		
1 to 5.....	197	50.3	458	14.9
6 to 20.....	71	18.1	774	25.2
21 to 50.....	18	4.6	638	20.8
Over 50.....	9	2.3	1,203	39.1

Persons employed in mining.—While the petroleum and natural gas industry ranks first among the mining enterprises when measured by the value of products, gold and silver holds the first place when measured by the number of persons employed, the total number employed in deep and placer mines aggregating 11,768, as compared with 8,081 engaged in the petroleum and natural gas industry. Of the total of 31,938 persons employed in all industries on December 15, 1909, or the nearest representative day, 26,978 were wage earners, 2,509 were salaried employees, and 2,451 were proprietors and firm members, of whom 1,145 performed manual labor in or about the mines.

Prevailing hours of labor.—In Table 4 all producing mines and quarries, except those employing no wage earners and those operated exclusively by contract work and part-time employees, have been classified according to the prevailing hours of labor in each enterprise or operating unit. Petroleum and natural

gas wells are not included in the table because the lack of regularity in the number of hours worked per day in a large number of enterprises rendered such classification impracticable. 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 and for each of the principal industries a day of eight hours prevailed in over three-fourths of the enterprises weighted according to the number of wage earners.

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.	
All industries ¹	820	100.0	100.0
8 hours and under.....	603	73.5	79.9
9 hours.....	103	12.6	10.2
10 hours.....	109	13.3	9.6
11 hours.....	2	0.2	0.1
12 hours.....	3	0.4	0.1
Copper	16	100.0	100.0
8 hours.....	14	87.5	94.6
9 hours.....	2	12.5	5.4
Gold and silver, Deep mines	323	100.0	100.0
8 hours and under.....	293	90.7	97.0
9 hours.....	17	5.3	2.3
10 hours.....	12	3.7	0.7
12 hours.....	1	0.3	(²)
Placer gold	295	100.0	100.0
8 hours and under.....	201	68.1	77.5
9 hours.....	29	9.8	13.7
10 hours.....	63	21.4	8.3
11 hours.....	1	0.3	0.2
12 hours.....	1	0.3	0.2

¹ Exclusive of petroleum and natural gas.
² Less than one-tenth of 1 per cent.

Engines and power.—As shown by Table 5, the aggregate horsepower employed in producing mining enterprises was 162,238, of which 118,986 was developed by engines and water wheels and motors owned by the operators using them, and 43,252 horsepower by

electric motors operated by purchased current. In the petroleum and natural gas industry 76,589 horsepower was employed, while in gold and silver (deep mines) 40,360 horsepower was employed.

In addition to the power used by the producing enterprises, 18,826 horsepower was employed by non-producing enterprises, making a total of 181,064 horsepower employed in all enterprises in the state.

Table 5

CHARACTER OF POWER.	PRODUCING ENTERPRISES: 1909											
	Total.	Petroleum and natural gas.	Copper.	Gold and silver, Deep mines.	Placer gold.	Granite.	Trap-rock.	Limestone.	Sandstone.	Quick-silver.	Gypsum.	All other.
Primary power:												
Aggregate horsepower.....	162,238	76,589	11,157	40,360	18,867	3,381	7,684	425	1,214	727	790	1,044
Owued.....	118,986	76,559	3,434	27,951	3,392	2,124	1,913	200	954	727	790	832
Steam engines—												
Number.....	3,022	2,712	19	160	28	49	22	2	14	8	3	5
Horsepower.....	73,150	56,638	3,390	7,103	800	1,781	1,015	50	954	487	750	182
Gas or gasoline engines—												
Number.....	1,118	930	1	104	12	17	15	4	.....	6	1	28
Horsepower.....	24,353	19,921	44	1,937	279	311	898	210	.....	123	40	590
Water wheels—												
Number.....	1,520	.....	.....	2,417	2,89	1	.....	.....	.....	4	.....	19
Horsepower.....	21,483	.....	.....	18,911	2,313	32	.....	.....	.....	117	.....	110
Electric motors operated by purchased current—												
Number.....	972	3	120	265	396	26	140	7	8	.....	.....	7
Horsepower.....	43,252	30	7,723	12,409	15,475	1,257	5,771	165	260	.....	.....	162
Electric motors run by current generated by enterprise using:												
Number.....	159	6	12	93	23	8	7	.....	.....	0	.....	1
Horsepower.....	4,829	100	145	3,395	625	310	60	.....	.....	179	.....	15

¹ Includes 61 water motors of 902 horsepower.
² Includes 49 water motors of 805 horsepower.

³ Includes 4 water motors of 12 horsepower.
⁴ Includes 8 water motors of 85 horsepower.

Nonproducing enterprises.—Table 6 presents statistics comparing producing and nonproducing enterprises. In the latter are included the enterprises which were still in the development stage as well as those which were productive in the past but whose operations in 1909 were confined to the maintenance of the property or to development work with a view to renewing production. Out of a total of 2,021 operators, 692, or 34.2 per cent, were of this class, and the capital invested by them represented 11 per cent of the total capital invested in all mining enterprises. The principal industries in which the nonproducing activities occurred were in the production of gold and silver and petroleum and natural gas. Of the \$31,260,935 of capital invested in all nonproducing enterprises, \$18,100,862 was invested in gold and silver mines, of which \$15,954,784 represented the investment in deep mines and \$2,146,078 the investment in placer mines. Thus of the total investment in non-producing enterprises, 57.9 per cent was invested in the two types of gold and silver mines. Petroleum and natural gas, the industry next in importance in this group, reported a capital investment of \$11,904,813.

Table 6

	All enterprises.	Producing enterprises.	NONPRODUCING ENTERPRISES.	
			Number or amount.	Per cent of total.
Number of operators.....	2,021	1,329	692	34.2
Number of mines, quarries, and wells.....	6,510	5,595	915	14.1
Persons engaged in industry.....	31,938	27,219	4,719	14.8
Proprietors and firm members, total.....	2,451	1,799	652	26.6
Number performing manual labor.....	1,145	856	289	25.2
Salaried employees.....	2,509	2,062	447	17.8
Wage earners, Dec. 15, 1909, or nearest representative day.....	26,973	23,358	3,620	13.4
Above ground.....	18,381	16,287	2,094	11.4
Below ground.....	8,597	7,071	1,526	17.8
Engineers, firemen, mechanics, etc.....	8,660	7,458	1,202	13.9
Miners, miners' helpers, quarrymen, and stonecutters.....	11,962	10,107	1,855	15.5
All other employees.....	6,356	5,793	563	8.9
Land controlled, acres.....	1,062,596	827,285	235,311	22.1
Primary horsepower.....	181,064	162,238	18,826	10.4
Capital.....	\$284,838,487	\$253,577,552	\$31,260,935	11.0
Expenses of operation and development.....	61,251,185	52,565,278	8,685,907	14.2
Services.....	24,531,641	22,018,221	2,513,420	10.2
Salaries.....	3,378,805	2,968,779	410,026	12.1
Wages.....	21,152,836	19,049,442	2,103,394	9.9
Supplies, including fuel and rent of power.....	29,830,100	24,327,955	5,502,145	18.4
Contract work.....	783,973	595,130	188,843	24.1
Rent of offices and other sundry expenses.....	6,105,471	5,623,972	481,499	7.9

The total expenditure during the year by nonproducing mines was \$8,685,907, or 14.2 per cent of the total expenditures by all mines and quarries. Of the total number of wage earners employed, 13.4 per cent were employed in these nonproducing enterprises. This, however, does not represent the total number of persons engaged in such industries, since persons employed in prospecting are omitted from the statistics.

Comparison of mining industries: 1902-1909.—In order to make comparisons between 1909 and 1902 it is necessary to omit from the 1902 figures, as given in the mines and quarries report for that year, statistics for the production of cement and enterprises operated by governmental institutions; to omit from the 1909 figures, as they appear in other tables in this chapter, statistics for the operation of copper smelters; and 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 7.

The greater part of the increase in the value of products in California was due to the increased production of petroleum and natural gas, the value of which

increased from less than \$5,000,000 in 1902 to over \$29,000,000 in 1909.

Table 7

	PRODUCING ENTERPRISES.		
	1909	1902	Per cent of increase. ¹
Wages and salaries.....	\$21,430,590	\$12,842,486	66.9
Supplies and materials.....	\$20,468,053	\$5,533,935	269.8
Royalties and rent of mines.....	\$2,314,926	\$685,982	310.3
Contract work.....	² \$496,568	\$520,894	-4.7
Value of products.....	\$59,012,946	\$28,011,307	106.3
Primary horsepower.....	155,115	69,582	123.1

¹ A minus sign (-) denotes decrease.

² Exclusive of amount paid to miners compensated by a share of the product and also of the wages of part-time employees for the petroleum and natural gas industry, which are included under "Contract work," in Table 8.

Duplication between manufactures and mining.—In a number of industries some of the operators subjected the products 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 California involves a duplication of \$9,317,878.

Table 8		PRODUCING MINES, QUARRIES, AND WELLS.								
		Aggregate.	Total.	Petroleum and natural gas.	Copper.	Gold and silver, Deep mines.	Placer gold.	Granite.	Traprock.	Limestone.
1	Number of operators.....	2,021	1,320	339	9	305	302	62	43	11
2	Number of mines, quarries, and wells.....	6,510	5,505	4,316	16	581	435	71	50	15
3	Capital.....	\$284,838,487	\$253,577,552	\$144,176,487	\$15,082,993	\$38,104,583	\$40,608,628	\$1,756,610	\$2,415,931	\$424,327
4	Expenses of operation and development.....	\$61,251,185	\$52,565,278	\$25,210,087	\$7,749,834	\$9,467,344	\$5,608,855	\$1,225,519	\$1,317,409	\$306,479
5	Services.....	\$2,551,869	\$2,177,287	\$952,269	\$123,322	\$441,471	\$268,719	\$63,654	\$97,554	\$20,860
6	Salaried officers of corporations, superintendents, and managers.....	\$826,936	\$791,402	\$353,526	\$99,970	\$102,723	\$50,192	\$16,922	\$32,526	\$4,005
7	Clerks and other salaried employees.....	\$21,152,836	\$10,046,442	\$6,727,857	\$2,398,914	\$5,135,338	\$2,120,827	\$917,535	\$358,008	\$163,432
8	Wage earners.....	\$24,053,469	\$18,789,652	\$12,532,920	\$1,225,058	\$2,302,615	\$1,901,334	\$110,740	\$252,905	\$65,162
9	Miscellaneous.....	\$2,782,660	\$2,782,660	\$4,150	\$2,641,140	\$117,870				
10	Supplies.....	\$3,019,971	\$2,776,649	\$126,766	\$1,085,253	\$760,069	\$541,901	\$45,346	\$77,360	\$9,331
11	Fuel and rent of power.....	\$2,848,061	\$2,814,269	\$2,460,983	\$29,212	\$84,791	\$123,595	\$22,538	\$75,561	\$5,752
12	Royalties and rent of mines.....	\$626,456	\$576,946	\$276,666	\$48,603	\$122,656	\$91,000	\$9,158	\$7,115	\$1,301
13	Taxes.....	\$783,973	\$595,130	\$272,633		\$99,842	\$78,054		\$18,922	\$24,041
14	Contract work.....	\$2,630,954	\$2,232,767	\$1,502,314	\$93,353	\$290,574	\$348,233	\$39,626	\$102,558	\$11,336
14	Rent of offices and other sundry expenses.....									
15	Value of products.....	\$63,382,454	\$63,382,454	\$29,310,335	\$10,104,373	\$9,690,956	\$8,751,032	\$1,518,916	\$1,404,401	\$368,436
16	Persons engaged in industry.....	5 31,938	5 27,219	8,081	2,635	7,896	3,872	1,445	1,417	285
17	Proprietors and officials.....	5 3,834	5 2,927	651	33	1,173	104	104	90	19
18	Proprietors and firm members.....	2,451	1,799	113		949	589	65	22	6
19	Number performing manual labor.....	1,145	856	18		337	421	50	2	3
20	Salaried officers of corporations.....	5 484	5 370	193	10	57	35	16	29	5
21	Superintendents and managers.....	5 999	5 758	345	23	167	97	23	39	8
22	Clerks and other salaried employees.....	5 1,026	5 934	423	92	101	78	23	65	22
23	Wage earners, Dec. 15, 1909, or nearest representative day.....	26,978	23,358	7,007	2,510	6,622	3,073	1,318	1,202	244
24	Above ground.....	18,381	16,287	7,007	1,203	1,842	2,494	1,318	1,202	244
25	Below ground.....	8,597	7,071		1,307	4,780				
26	Men 16 years of age and over.....	26,970	23,350	7,006	2,510	6,617	3,073	1,316	1,202	244
27	Engineers, firemen, mechanics, etc.....	8,660	7,458	6,049	325	1,045	596	147	137	15
28	Above ground.....	8,391	7,238	5,049	234	955	567	147	137	15
29	Below ground.....	269	220		91	90	29			
30	Miners, miners' helpers, quarrymen, and stonecutters.....	11,962	10,107		1,172	4,279	1,697	956	906	102
31	Above ground.....	4,286	3,898		18	141	1,153	956	906	102
32	Below ground.....	7,676	6,209		1,154	4,138	544			
33	All other employees.....	6,348	5,785	1,957	1,013	1,293	213		169	37
34	Above ground.....	5,698	5,145	1,957	951	743	774	213	169	37
35	Below ground.....	650	640		62	550	6			
36	Boys under 16 years of age.....	8	8	1		5	2			
37	Number of wage earners employed on the 15th day of each month:									
38	January.....	20,597	19,077	5,657	2,150	5,321	2,403	1,159	1,023	256
39	February.....	20,507	18,974	5,059	2,219	5,256	2,407	1,102	1,000	245
40	March.....	21,154	19,583	5,910	2,256	5,434	2,337	1,164	1,213	214
41	April.....	21,794	20,090	6,122	2,206	5,403	2,392	1,124	1,387	217
42	May.....	22,409	20,558	6,199	2,245	5,520	2,544	1,097	1,445	235
43	June.....	22,401	20,458	5,992	2,255	5,688	2,534	1,164	1,411	229
44	July.....	23,133	20,957	6,261	2,459	5,697	2,568	1,181	1,326	240
45	August.....	23,271	20,893	6,257	2,517	5,610	2,487	1,244	1,308	275
46	September.....	23,983	21,501	6,471	2,635	5,720	2,544	1,378	1,271	261
47	October.....	24,030	21,427	6,714	2,678	5,631	2,501	1,239	1,249	248
48	November.....	23,812	21,162	6,796	2,617	5,447	2,452	1,189	1,305	247
49	December.....	24,155	21,516	6,071	2,431	5,633	2,526	1,284	1,218	242
50	Land controlled, acres.....	1,062,596	827,285	455,444	9,957	108,795	123,158	7,743	6,955	1,751
51	Owned.....	588,234	427,112	107,074	9,877	97,019	108,741	7,062	2,389	1,454
52	Held under lease.....	474,362	400,173	348,370	80	11,776	14,417	681	4,566	297
53	Mineral and oil land.....	990,885	765,805	455,444	6,817	98,302	116,251	7,400	4,937	1,686
54	Owned.....	521,923	370,967	107,074	6,737	88,043	104,094	6,719	1,544	1,454
55	Held under lease.....	468,962	395,138	348,370	80	10,259	12,157	681	3,393	212
56	Timber land.....	13,305	12,545			6,702		73		
57	Other land.....	58,406	48,935		3,140	3,791	6,207	270	2,018	85
58	Primary horsepower.....	181,064	162,238	76,589	11,157	40,360	18,867	3,381	7,684	425

¹ Includes operators as follows: Asphalt and bituminous rock, 2; bituminous coal, 2; borax, 2; feldspar, 1; fuller's earth, 1; infusorial earth, 2; mineral pigments, 2; pyrite, 1; slate, 1; talc and soapstone, 1.
² Includes operators as follows: Asbestos, 1; bituminous coal, 1; borax, 1; clay, 2; feldspar, 1; graphite, 1; gypsum, 3; infusorial earth, 1; limestone, 1; lithium, 1; magnesite, 1; manganese, 1; marble, 3; mineral pigments, 1; molybdenum, 2; precious stones, 4; tungsten, 2.
³ Includes \$2,307,793 which could not be distributed among the several industries.

STATISTICS OF MINES AND QUARRIES.

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MINING INDUSTRIES: 1909.

PRODUCING MINES, QUARRIES, AND WELLS—continued.										NONPRODUCING MINES, QUARRIES, AND WELLS.					
Sand-stone.	Marble.	Quick-silver.	Tung-sten.	Precious stones.	Gypsum.	Clay (sold as such).	Magn-si-fa.	All other. ¹	Total.	Gold and silver, Deep mines.	Placer gold.	Petroleum and natural gas.	Quick-silver.	All other. ¹	
1	19	6	10	3	7	5	7	15	692	397	85	168	15	27	
2	20	15	10	9	8	12	13	10	915	709	115	24	25	42	
3	\$181,226	\$514,216	\$2,594,500	\$134,028	\$251,010	\$392,068	\$178,500	\$89,016	\$4,272,977	\$31,260,935	\$15,954,784	\$2,146,078	\$11,904,813	\$846,900	\$408,380
4	\$263,351	\$54,514	\$585,165	\$114,065	\$68,129	\$118,847	\$56,114	\$62,444	\$387,032	\$8,685,807	\$1,947,920	\$335,843	\$6,244,528	\$89,671	\$67,945
5	\$12,644	\$2,700	\$40,316	\$0,301	\$0,700	\$12,800	\$7,080	\$5,338	\$26,450	\$374,582	\$186,702	\$35,286	\$134,557	\$7,050	\$10,897
6	\$5,342	-----	\$7,540	-----	-----	\$5,897	\$425	\$2,105	\$12,136	\$35,444	\$10,746	\$775	\$22,423	\$900	\$600
7	\$165,285	\$27,596	\$339,375	\$71,201	\$41,170	\$41,827	\$29,408	\$32,479	\$169,195	\$2,103,394	\$997,596	\$164,809	\$844,707	\$63,354	\$32,928
8	\$63,046	\$15,810	\$01,753	\$21,010	\$16,895	\$16,097	\$11,608	\$6,282	\$65,517	\$5,263,817	\$478,110	\$105,008	\$4,059,533	\$0,292	\$11,874
9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
10	\$14,874	\$702	\$50,465	\$3,951	-----	\$13,896	\$540	\$7,556	\$27,743	\$238,328	\$61,136	\$6,154	\$168,675	\$1,970	\$393
11	\$3,910	-----	\$5,268	-----	-----	\$1,917	\$279	\$253	\$200	\$33,802	\$4,813	\$1,000	\$27,989	-----	-----
12	\$3,158	\$969	\$6,415	\$124	-----	\$328	\$838	\$252	\$7,856	\$40,510	\$19,007	\$2,888	\$24,088	\$2,920	\$607
13	\$450	-----	\$9,878	-----	-----	\$12,723	\$250	-----	\$7,113	\$188,843	\$58,972	\$1,812	\$127,044	-----	\$1,015
14	\$4,642	\$6,737	\$25,155	\$9,478	\$3,036	\$11,952	\$6,020	\$8,179	\$26,822	\$398,187	\$130,748	\$18,111	\$235,512	\$4,185	\$9,031
15	\$289,579	\$89,467	\$729,095	\$191,795	\$110,339	\$103,845	\$74,404	\$68,463	\$576,968	-----	-----	-----	-----	-----	-----
16	348	38	492	72	34	100	46	84	270	4,719	2,534	521	1,411	122	131
17	23	11	21	12	9	11	7	8	22	1,007	623	131	198	10	39
18	15	9	3	8	-----	3	5	3	9	652	470	98	46	8	30
19	12	2	-----	4	-----	3	4	2	3	289	183	74	16	0	10
20	1	-----	6	-----	3	2	1	2	6	114	43	11	51	4	5
21	7	2	12	4	6	6	1	3	7	241	110	22	101	4	4
22	5	-----	9	-----	7	-----	-----	2	13	92	25	4	61	1	1
23	320	26	462	60	25	82	39	74	235	3,620	1,886	386	1,152	105	91
24	320	25	210	22	16	82	39	57	137	2,094	593	224	1,152	49	76
25	-----	-----	243	38	9	-----	-----	17	98	1,526	1,293	162	-----	56	15
26	320	25	462	60	25	82	39	74	235	3,620	1,886	386	1,152	105	91
27	18	1	56	4	-----	24	-----	7	34	1,202	287	57	837	13	8
28	18	1	54	4	-----	24	-----	7	26	1,153	246	50	837	13	7
29	-----	-----	2	-----	-----	-----	-----	8	49	-----	41	7	-----	-----	1
30	270	15	280	40	24	21	34	33	128	1,855	1,413	292	-----	77	73
31	270	15	61	2	15	21	34	16	38	388	171	137	-----	21	59
32	-----	-----	219	38	9	-----	-----	17	90	1,467	1,242	155	-----	56	14
33	32	9	126	16	1	37	5	34	73	593	186	37	315	15	10
34	32	9	104	16	1	37	5	34	73	553	176	37	315	15	10
35	-----	-----	22	-----	-----	-----	-----	-----	10	-----	10	-----	-----	-----	-----
36	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
37	160	34	438	61	51	54	37	50	214	1,520	871	123	445	44	37
38	180	36	429	62	37	55	30	39	213	1,533	855	125	477	42	34
39	169	45	410	60	31	41	35	42	219	1,571	827	128	542	43	31
40	326	43	413	60	35	63	30	40	223	1,704	917	133	571	47	31
41	335	47	441	58	30	64	34	44	214	1,851	908	194	609	45	35
42	269	42	423	61	34	51	37	52	216	1,943	975	213	623	60	37
43	271	37	429	57	34	55	40	65	228	2,176	1,073	289	671	91	52
44	284	25	432	54	35	52	58	54	206	2,373	1,200	297	721	90	65
45	293	24	427	56	28	56	75	54	208	2,482	1,258	300	772	93	59
46	311	23	392	42	20	74	30	52	217	2,612	1,317	276	850	98	61
47	225	19	411	59	22	68	37	51	217	2,650	1,251	303	970	104	62
48	225	21	451	58	25	69	34	51	227	2,639	1,227	226	1,025	104	57
49	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50	3,492	1,484	21,701	1,180	1,138	18,000	1,264	2,369	62,894	235,311	58,014	39,671	103,281	8,129	26,216
51	1,372	1,364	18,661	1,100	1,138	4,200	1,258	1,569	62,774	101,122	49,364	32,213	61,750	7,769	20,026
52	2,120	100	3,040	-----	-----	13,800	6	800	120	74,189	8,650	7,458	51,581	360	6,190
53	2,682	1,304	13,456	1,160	1,138	18,000	1,264	2,306	33,678	225,980	55,453	38,661	103,281	1,749	25,938
54	562	1,204	10,416	1,160	1,138	4,200	1,258	1,506	33,558	151,256	46,808	31,203	61,750	1,749	19,746
55	2,120	100	3,040	-----	-----	13,800	6	800	120	73,824	8,645	7,458	51,531	-----	6,190
56	810	160	5,070	-----	-----	-----	-----	63	20,216	9,471	2,161	1,010	-----	6,020	280
57	1,214	144	727	79	-----	790	50	126	645	18,826	9,660	2,458	6,517	120	71

¹In some cases the same operator conducted two or more enterprises producing different kinds of products, all enterprises being managed through one central administrative office. The total office expenses were accordingly apportioned among the several industries in proportion to the total expenses of each and the estimated amounts of such administrative expenses were added to "Sundry expenses" for each industry. In the totals for all enterprises, however, the expenses appear under the proper headings. The amounts included in "Rent of offices and other sundry expenses" for individual industries and properly distributed in the total for all industries are as follows: Salaried officers of corporations, superintendents, and managers, \$77,100; clerks and other salaried employees, \$97,574; and contract work, \$50,024.

²The following numbers of persons, which could not be distributed among the several industries, are included under the proper headings in the totals for all enterprises: Aggregate, 106; salaried officers of corporations, 4; superintendents and managers, 8; and clerks and other salaried employees, 94.

³In the gold and silver (deep mines) industry, 2 boys were employed below ground.