Twelfth Census of the United States.

CENSUS BULLETIN.

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WASHINGTON, D. C.

April 30, 1901.

THE CENTER OF POPULATION AND ITS MEDIAN POINT.

This bulletin, prepared under the direction of Mr. HENRY GANNETT, geographer, gives the location of the center of population of the United States, excluding Alaska and the recent accessions of territory, on June 1, 1900, according to the records of this office, with a discussion of the movements of the center, decade by decade, during the past century. It is a matter of special interest, as such movements summarize the net result of all the movements of population during each decennial period.

By the Twelfth Census the center of population in 1900 was in the following position:¹

Latitude	39°	91	36″	
Longitude	85°	48'	54''	

In ten years the center of population has moved westward 16' 1", or about fourteen miles,² and southward 2' 20", or about two and one-half miles. It rests now in southern Indiana, at a point about six miles southeast of Columbus, the county seat of Bartholomew county, Indiana. The surroundings of its location are shown upon the sketch maps accompanying this bulletin.

The center of population is the center of gravity of the population of the country, each individual being assumed to have the same weight. In order that the result might be comparable with those obtained in 1880 and 1890, the population of Alaska and Hawaii, although included in the Twelfth Census, has not been included here. The method used was in brief as follows:

The population of the country was first distributed by "square degrees," as the area included between consecutive parallels and meridians has been designated. A point was then assumed, tentatively, as the center, and corrections in latitude and longitude to this tentative position were computed. In this case the center was assumed to be at the intersection of the parallel of 39° north with the meridian of 86° west of Greenwich. The population of each square degree was assumed to be located at the center of that square degree, except in cases where it was manifest that this assumption would be untrue, as, for instance,

² See second sketch map between page 2 and page 3. CP 18M where a part of the square degree was occupied by the sea or other large body of water, or where it contained a city of considerable magnitude which was situated "off center." In these cases the position of the center of the population of the square degree was estimated as nearly as possible. The shortest distances between each such center of population of a square degree (whether assumed to be at, or at a distance from, the center of the square degree) and the assumed parallel and meridian were obtained. The population of each square degree was then multiplied by the shortest distance of its center of population from the assumed parallel of latitude, and the sums of the products, or moments, north and south of that parallel were obtained. Their difference, divided by the total population of the country, gave a correction to the latitude of the assumed center of population. In a similar manner, the east and west moments were obtained, and from them a correction to the longitude of the assumed center was obtained.

In 1790 the center of population was at 39° 16.5' north latitude and 76° 11.2' west longitude, which a comparison of the best maps available would seem to place about 23 miles east of Baltimore. During the decade from 1790 to 1800 it appears to have moved almost due west to a point about 18 miles west of the same city, being in latitude 39° 16.1' and longitude 76° 56.5'.

From 1800 to 1810 it moved westward and slightly southward to a point about 40 miles northwest by west of Washington, being in latitude 39° 11.5' and longitude 77° 37.2'. The southward movement during this decade appears to have been due to the annexation of the territory of Louisiana, which contained quite extensive settlements.

From 1810 to 1820 it moved westward and again slightly southward to a point about 16 miles north of Woodstock, Virginia, being in latitude 39° 5.7' and longitude 78° 33'. This second southward movement appears to have been due to the extension of settlements in Mississippi, Alabama, and eastern Georgia.

From 1820 to 1830 it moved still westward and southward to a point about 19 miles southwest of Moorefield, in the present state of West Virginia, being in latitude 88° 57.9' and longitude 79° 16.9'. This is the most decided

¹See first sketch map between page 2 and page 3.

From 1830 to 1840 it moved still farther westward, but slightly changed its direction northward, reaching a point 16 miles south of Clarksburg, in the present state of West Virginia, being in latitude 39° 2' and longitude 80° 18'. During this decade settlement had made decided advances in the prairie states and in the southern portions of Michigan and Wisconsin, the balance of increased settlement evidently being in favor of the northwest.

From 1840 to 1850 it moved westward and slightly southward again, reaching a point about 23 miles southeast of Parkersburg, in the present state of West Virginia, in latitude 88° 59' and longitude 81° 19', the change of direction southward being largely due to the annexation of Texas.

From 1850 to 1860 it moved westward and slightly northward, reaching a point 20 miles south of Chillicothe, Ohio, this being in latitude 39° 0.4', longitude 82° 48.8'.

From 1860 to 1870 it moved westward and sharply northward, reaching a point about 48 miles east by north of Cincinnati, Ohio, in latitude 39° 12', longitude 83° 35.7'. This northward movement was due in part to waste and destruction in the south, consequent upon the civil war, and in part, probably, to the fact that the census of 1870 was defective in its enumeration of the southern people, especially of the newly enfranchised negro population.

In 1880 the center of population had returned southward to nearly the same latitude which it had in 1860, being in latitude 39° 4.1', longitude 84° 39.7'. This southward movement was due only in part to an imperfect enumeration at the south in 1870. During the decade from 1870 to 1880 the southern states made a large positive increase, both from natural growth and from migration southward.

In 1890 the center of population had moved northward into practically the same latitude it occupied in 1870. This northward movement was largely due to the great development in the cities of the northwest and in the state of Washington, and also to the increase of population in New England. Its position was in latitude 39° 11' 56" and longitude 85° 82' 53".

During the past decade the center of population has moved westward 16' 1", a little over 14 miles, and southward 2' 20", a little less than 3 miles. This is the smallest movement that has ever been noted. The slight southward movement is due largely to the great increase in population of the Indian Territory, Oklahoma, and Texas, while the great decrease in the westward movement of the center is, undoubtedly, due to the large increase in the population of the North Atlantic states. It also shows that the population of the western states has not increased as rapidly as in former decades.

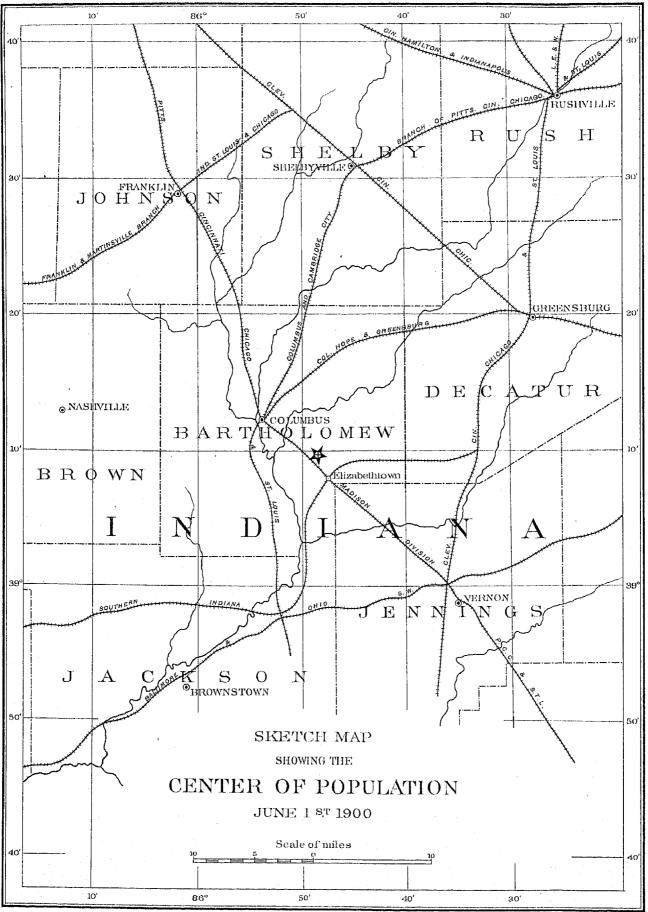
The closeness with which the center of population, through its rapid westward movement, has clung to the parallel of 39° of latitude can not fail to be noticed. The most northern point reached was at the start in 1790; the most southern point was in 1830, the preceding decade having witnessed a rapid development of population in the southwest-Alabama, Arkansas, Mississippi, and Louisiana having been admitted as states, and Florida annexed and organized as a territory. The extreme variation in latitude has been less than 19 minutes, while the hundred and ten years of record have accomplished a movement in longitude of a little over 9.5 degrees. Assuming the westward movement to have been uniformly along the parallel of 39° of latitude, the westward movement of the several decades has been as follows: 1790-1800, 41 miles: 1800-1810, 36 miles; 1810-1820, 50 miles; 1820-1830, 39 miles; 1830-1840, 55 miles; 1840-1850, 55 miles; 1850-1860, 81 miles; 1860-1870, 42 miles; 1870-1880, 58 miles; 1880-1890, 48 miles; 1890-1900, 14 miles. This is a total westward movement of 519 miles since 1790. The sudden acceleration of movement between 1850 and 1860 was due to the transfer of a considerable body of population from the Atlantic to the Pacific coast, twelve individuals in San Francisco exerting as much pressure at the then pivotal point, namely, the crossing of the 83d meridian and the 39th parallel, as forty individuals in Boston.

The following table and the second sketch map show the movement of the center of population since 1790:

1	h			· · · · · · · · · · · · · · · · · · ·	
	CENSUS YEARS.			Approximate location by important towns.	West- ward move- ment in miles during preced- ing decade.
	1790 1800 1810	39° 16.5' 39 16.1 39 11.5	$76^{\circ} 11.2'$ 76 56.5 77 37.2	23 miles east of Baltimore, Md 18 miles west of Baltimore, Md 40 miles northwest by west of	41
	1010	00 11.0	11 51.2	Washington, D. C.	- 86
	1820 1880	39 5.7 38 57.9	78 88.0 79 16.9	16 miles north of Woodstock, Va 19 miles west-southwest of Moore-	50 89
				field, in the present state of West Virginia.	Í
	1840	39 2.0	80 18.0	16 miles south of Clarksburg, in the present state of West Virginia.	55
	1850	88 59.0	81 19.0	23 miles southeast of Parkersburg, in the present state of West Vir- ginia.	55
	1860	89 0.4	82 48.8	20 miles south of Chillicothe, Ohio	81
	1870	39 12.0	83 35.7	48 miles east by north of Cincin- nati, Ohio.	42
	1880	89 4.1	84 39.7	8 miles west by south of Cincin- nati, Ohio.	58
.	1890		85 82.9	20 miles east of Columbus, Ind	48
	1900	89 9.5	85 48.9	6 miles southeast of Columbus, Ind.	. 14
					·

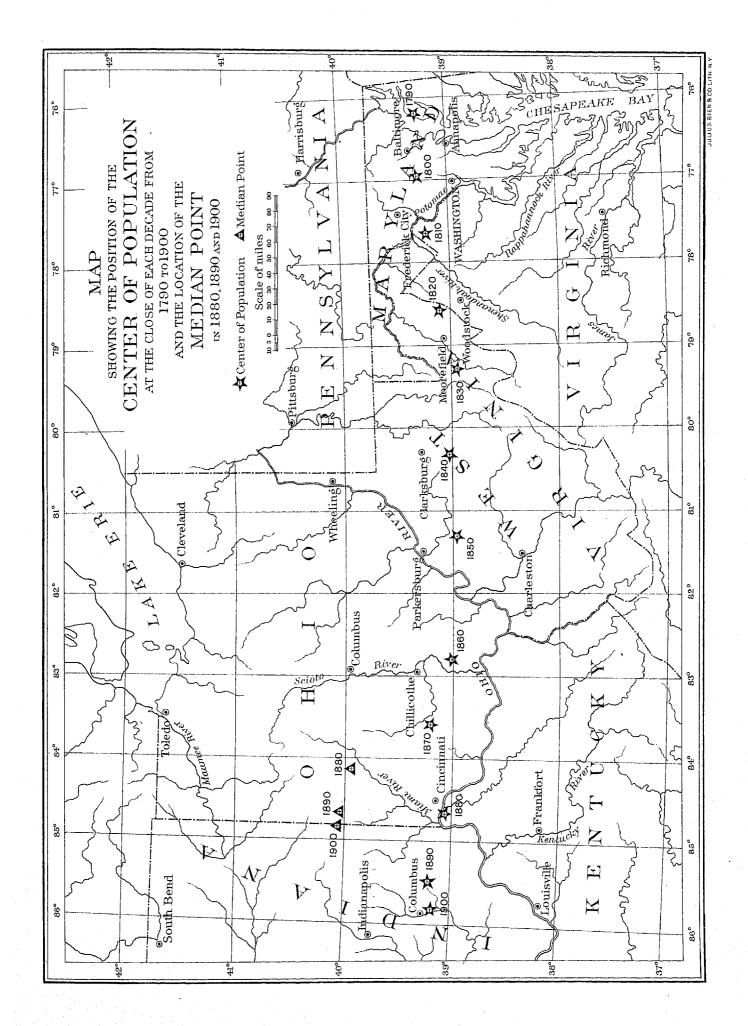
POSITION OF THE CENTER OF POPULATION: 1790 TO 1900.

The center of area of the United States, excluding Alaska and Hawaii and other recent accessions, is in northern Kansas, in approximate latitude 39° 55', and approximate longitude 98° 50'. The center of population is therefore about three-fourths of a degree south and more than thirteen degrees east of the center of area.



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The median point is the point of intersection of the line dividing the population equally north and south with the line dividing it equally east and west. In short, it is the central point of the population. It differs from the center of population in the fact that distance from the center is not considered. Its movements from census to census bear no relation to the movements of the population, since only movements by which bodies of population are transferred across its parallel or its meridian have any influence upon its position. To illustrate this, a million people may move from Minnesota to Washington state without affecting its position, while the movement of a hundred persons from Michigan to Wisconsin might affect it appreciably. In 1900 the meridian of 84° 51' 29" equally divided the population of the United States east and west, and the parallel of 40° 04' 22" equally divided it north and south. The median point, therefore, is located at Spartanburg, Indiana.

In order to make a comparison with the movement of the center of population, computations were also made for the Tenth and Eleventh Censuses. The following table shows the location of the median point at each census:

YEAR.	Longi- tude.	Latitude.	Location.
1880	84° 07′ 12″	89° 57' 00″	16.2 miles nearly due west of Springfield, Miami county, Ohio.
1890	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4.8 miles southwest of Greenville, Ohio. In Spartanburg, Ind.

The movement of the median point from 1880 to 1890 was north 5' 51", and west 32' 49". From 1890 to 1900 it moved north 1' 31", and west 11' 28". The comparison of the movements of the center of population and the median point shows that they do not move in parallel lines, as from 1880 to 1890 the median point moved west 27 miles and north 6.6 miles, while the center of population moved west 48 miles and north 9 miles. From 1890 to 1900 the median point moved west 10.8 miles and north 2.4 miles, while the center of population moved west 14 miles, and south 2.5 miles.

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Director of the Census.

Twelfth Census of the United States.

CENSUS BULLETIN.

WASHINGTON, D. C.

April 26, 1901.

MANUFACTURES.

COKE.

Hon. WILLIAM R. MERRIAM, Director of the Census.

SIR: I transmit herewith a report on the industry of coke manufacture, prepared under my direction by Mr. EDWARD W. PARKER, of the United States Geological Survey, acting in the capacity of an expert special agent of the division of manufactures of the Census Office.

The manufacture of coke is a comparatively new industry in the United States. While coke was used to some extent for refining iron as early as 1817, its use in any considerable quantities in blast furnaces did not begin until about 1840. Coke does not appear, however, in the census returns of manufactures until 1850, the very small amount returned for that year being all credited to the state of Pennsylvania. Prior to that census, coke was probably returned as coal. The value of the coke produced was returned as \$15,250 in 1850; \$189,844 in 1860; \$1,132,386 in 1870; \$5,359,489 in 1880; \$16,498,345 in 1889, including by-products to the value of \$3,891; and the value of the product in 1899 is shown by this bulletin to have been \$35,585,445, including by-products amounting to \$952,027 in value. This value is limited to the product obtained from the distillation or combustion of bituminous coal in retorts, ovens, or pits, and does not include the ordinary gas-house coke obtained as a byproduct in the manufacture of illuminating gas from coal. The quantity of coke obtained by the latter process is decreasing every year, owing to the increasing use of electricity for lighting purposes, and of water gas for coal gas.

The extraordinary development of the coke manufacture as an industry is shown by the statistics above given. This development is in keeping with the growth of the iron manufacture, in the metallurgy of which few bituminous coals can be used without having first been coked. At the census of 1880, 77.3 per cent of the coke manufactured in the census year was consumed in blast furnaces, and at the census of 1890 this percentage had increased to 92.3. The percentage so consumed in 1899 will appear in the report on the iron manufacture.

The whole subject of coke manufacture was exhaustively treated—historically, technically, and statistically—in a special report of the Tenth Census, prepared by Mr. Joseph D. Weeks,¹ and it has not been thought necessary, therefore, in the accompanying bulletin to treat the subject in any other aspect than the statistical.

The report does, however, allude to certain interesting features in the development of the industry which have arisen since 1889, as, for instance, the introduction of retort or by-product ovens; the increasing use of coke for domestic purposes; the large increase in the practice of washing the coal before charging into the ovens; and the decreased cost of coal in 1899 because of the introduction of improved mining machinery and better methods of mining.

The modern tendency of industry to concentrate in a comparatively small number of establishments is strikingly exemplified in the coke industry, where there is an increase of only 23, or 10.6 per cent, in the number of establishments reported, as compared with 1889, while the increase in the number of tons of coke produced is 96.2 per cent, and in the value of all products, 115.7 per cent. Thus

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¹ Tenth Census 10: pp. 1-114. Report on the Manufacture of Coke, by Joseph D. Weeks, Special Agent. See also Eleventh Census, Manufacturing Industries, Part III, Selected Industries, pp. 341-356, The Manufacture of Coke, by Joseph D. Weeks, Special Agent.

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the average product per establishment has risen from 45,909 short tons in 1889 to 81,497 short tons in 1899, and the average value of all products per establishment from \$75,680 in 1889 to \$147,657 in 1899. There has been a still greater increase in the amount of capital invested, and a nearly equal increase in the number of wage-earners and in the amount paid in wages.

The report shows a capital of \$36,502,679 invested in the manufacture of coke, which represents the value of lands, buildings, ovens, machinery, tools, implements, and the live capital required to carry on the business, but does not include the capital stock of any of the corporations. The value of the products from the use of this capital was \$35,585,445, to produce which involved an outlay of \$7,085,736 for wages; \$19,665,532 for raw materials, consisting almost wholly of coal; and \$2,184,968 for miscellaneous expenses. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the product is, in any sense, indicative of the profits in the manufacture of coke during the year 1899. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the product given is the value as obtained or fixed at the establishment itself. This statement is necessary in order to avoid erroneous conclusions from the figures presented.

At the Eleventh Census the average number of persons employed during the entire year was called for, and also

the average number employed at stated weekly rates of pay. At the present census the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This slight difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the Eleventh Census the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, together with clerks and their salaries, and in cases where salaries were not actually paid to proprietors and firm members the amount that would ordinarily be paid for similar services was estimated. At the Twelfth Census only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two Very respectfully, censuses.

Chief Statistician for Manufactures.

By EDWARD W. PARKER, Expert Special Agent.

The statistics presented in the accompanying tables refer primarily to the manufacture of coke during the calendar year 1899, with incidental reference to the statistics collected by the Tenth and Eleventh Censuses, the former covering the fiscal year ending May 31, 1880, and the latter the calendar year 1889. As in the previous censuses, the report is limited to the product usually termed "oven coke" obtained from the distillation or combustion of bituminous coal in retorts, ovens, or pits. Ordinary gashouse coke, obtained as a by-product in the manufacture of illuminating gas from coal, is not considered.

At preceding censuses the coke included was manufactured almost exclusively for metallurgical purposes, but during the last ten years its use for domestic purposes has extended, and manufacturers now prepare it for domestic use by crushing and screening.

Since the taking of the Eleventh Census there has been another development of coke manufacture in this country for which no comparison can be made with previous censuses. This is the introduction of the retort or byproduct coke oven, whereby the volatile constituents of the coal, other than gases consumed in the distillation process, are recovered. These constituents are wasted in ordinary beehive ovens. Three classes of by-product ovens, the Semet-Solvay, the Otto-Hoffman, and the Newton-Chambers, are now in successful operation in the United States. The first and second are retort ovens, the coal being distilled in a chamber heated from flues in which the gas obtained from the coal is burned. The process of coking is a distillation, rather than a combustion of the coal. The Newton-Chambers ovens are beehive ovens with apparatus for recovering the tar and ammonia contents of the coal, but consuming the gas during the process. In some instances, these by-product ovens make gases their primary product and coke their secondary product, but even then the coke produced is suitable for metallurgical purposes, and as no exact separation of the metallurgical and domestic coke is possible, the production from all the by-product coke ovens is considered in this report. The first ovens of the by-product class to be constructed in the United States were built at Syracuse, N.Y. They were completed in 1893, and produced in that year 12,850 short tons of metallurgical coke. At the close of 1899 the number of by-product ovens in existence in the United States was 1,020, and the amount of coke produced by them amounted to 906,534 short tons.

The total product of coke in 1899 from all the ovens included in this report amounted to 19,640,798 short tons, valued at \$84,633,418, as compared with an output of 10,008,169 short tons, valued at \$16,494,454, in 1889, and with 2,752,475 short tons, valued at \$5,359,489, in 1880 (Table 8). The output in 1899 increased 9,632,629 tons, or 96.2 per cent, over that of 1889, and was more than seven times that of 1880. The value of the coke produced in 1899, as compared with that of 1889, shows an increase of 110.0 per cent, and, as compared with 1880, an increase of 546.2 per cent. The average price per ton obtained in 1899 was \$0.11 (or 6.7 per cent) higher than that obtained ten years before, but \$0.19 (or 10.8 per cent) less than that obtained in 1880. The increase in the productive capacity of the ovens now in use, as compared with those in the earlier censuses, is shown in the fact that the average yield of coke per oven in 1899 was 417 short tons, while in 1889 it was 306 tons, and in 1880, 283 tons. While the production has increased 96.2 per cent, the number of active ovens has increased only 44.3 per cent.

There has been an increase in the percentage yield of the coal in coke. This has been partly due to the introduction of the by-product ovens, which yield a larger percentage of coke than the ordinary beehive ovens; partly to improved practice in manipulation of the beehive ovens; and partly to the preparation of the coal itself, by washing or otherwise, before being charged into the ovens. In 1889 the amount of coal washed, as shown by the Eleventh Census, before being charged into the coke ovens, was 968,329 short tons, whereas in 1899 the total amount of coal washed was 4,276,517 short tons (Table 9).

The present tendency toward large industries under one management is illustrated in the statistics of coke production in 1899. The total number of tons of coke produced has increased 96.2 per cent (Table 8), and the value of all products has increased 115.7 per cent (Table 1), while the number of active establishments reporting for 1899 was only 23, or 10.6 per cent, more than the number reporting for 1889. The amount of capital invested in the industry in 1899 was \$36,502,679, as compared with \$17,462,729 in 1889, and \$4,769,858 in 1880. The increase of capital in 1899 over 1889 was \$19,039,950, or 109.0 per cent. As compared with 1880, the capital invested in 1899 increased 665.3 per cent. The total amount paid in salaries and wages increased from \$4,186,264 in 1889 to \$7,883,032 in 1899, or 88.3 per cent (Table 6). The value of the coal tar, ammonia, and surplus gas obtained as by-products in retort or by-product ovens in 1899 amounted to \$952,027 (Table 13), and the total value of all products for that year to \$35,585,445 (Table 1).

The coking industry is usually carried on in direct connection with coal mining. In some instances the entire product of the mines, with the exception of coal used at the works or consumed by employees, is charged into ovens. In the preparation of this report, the mining of the coal used for coke has been considered as a separate industry and has not been included. Its value includes the cost of mining, but this is not stated in the wages or other expenses connected with the coking operations. In a few cases the coal is transported to a distant point, and there made into coke, one instance being in Wisconsin, where the coke is made from coal mined in the Connellsville region of Pennsylvania.

In cases where all the coal mined is charged into the ovens, the value assigned to it is based either upon the average selling value of coal in the same district, or upon the cost of production plus a percentage of profit on the mining operations. Where coke is produced by proprietors of blast furnaces, etc., for consumption in their own furnaces, none being sold, the value assigned to it is based upon the average for the vicinity, or upon the cost of production plus a percentage of profit on the coking operations.

Table 1 presents the principal features of the statistics relating to the manufacture of coke in 1899, 1889, and 1880, with the percentage of increase in each of the two decades. Only active establishments are included.

TABLE 1.-COMPARATIVE SUMMARY : 1899, 1889, 1880.

				PERCENTAGE OF INCREASE.		
ITEMS.	1899	1889	1880	1889 1880 to to 1899. 1889.		
Number of establishments - Capital	$\begin{array}{c}(1)241\\ \$36,502,679\\ \$2,927,354\\ \$2,382,237\\ \$18,351,924\\ \$5,927,702\\ \$6,913,462\\ 16,999\end{array}$	$\begin{array}{c} 218\\ \$17, 462, 729\\ \$1, 405, 342\\ \$869, 725\\ \$10, 817, 024\\ \$823, 790\\ \$3, 546, 248\\ 8, 998 \end{array}$	126 \$4,769,858 (²) (³) 3,140	10, 6 73, 0 109, 0 266, 1 108, 3 173, 9 69, 7 619, 6 95, 0 88, 9 186, 6		
eanners. Total wages Miscellaneous expenses Cost of materials Value of products	\$7,085,786 \$2,184,968 \$19,665,532 *\$35,585,445	\$1,072,632 \$394,784 \$11,509,737 \$16,498,345	(3) (3) (52, 995, 441) (52, 359, 489)	74.0 240.0 453.5		

¹ Not including 1 penal institution.

Not separately reported at the census of 1880.
Not reported at the census of 1880.
Includes the value of by-products amounting to \$952,027.
Includes the value of by-products amounting to \$3,891.

Table 1 shows an invested capital of \$36,502,679, which represents the value of lands, buildings, ovens, machinery, tools, and implements, and the live capital required to carry on the business, but does not include the capital stock of any of the corporations.

Table 2 presents, by states and territories, the number of active coke establishments in the United States during 1899, 1889, and 1880.

TABLE 2 .- NUMBER OF ACTIVE ESTABLISHMENTS, BY STATES AND TERRITORIES: 1899, 1889, 1880.

STATES AND TERM- TORIES.	1899	1889	1880	STATES AND TERRI- TORIES.	1899	1889	1880
The United States - Colorado	15 9 2 1 1 2 8 5	218 19 7 1 2 3 1 6 5 8		Montana New Mexico New York Ohio Pennsylvania Tenucssee Utah Virginia Washington West Virginia Wiscousin Wiscousin Wyoming	1 5 89 8 1 5 2	2 13 98 1 2 1 45 1	15 89 4

Table 2 shows that in 5 states the number of establishments in 1899 was less than the number reported in 1889. In Illinois and Indiana, the industry has shown an actual decline, the production in these states in 1899 being less than it was ten years before (Table 10). In Ohio, where the number of establishments has decreased in ten years from 13 to 5, the production in 1899 was a little larger than in 1889, the decrease in the number of establishments having been due to the abandonment of their ovens by a number of small concerns. The other states in which the number of establishments was less in 1899 than in 1889, are Alabama and Pennsylvania, in both of which the industry has shown marked advances. The decrease in the number of establishments being due principally to consolidations.

Table 3 presents a summary of the ovens in active establishments during 1899 and 1889.

TABLE 3COMPARATIVE SUMMA	RY, NUMBER OF OVENS
IN ACTIVE ESTABLISHMENTS,	BY STATES AND TER-
RITORIES: 1899 AND 1889.	

			(OVENS.			
STATES AND TERRITORIES.	Year,	Total num- ber.	Bee- hive.	Bel- gian or flue.	By- prod- uct.	Other styles	
The United States	1899 1889	47,142 82,659	45, 680 32, 129	233	1,020	449 • 29	
Alabama Colorado Georgía Illinois Indiana Territory Kansas Kentucky Massachusetts Missouri New Mexico New Mexico New York Ohio Penusylvania Tennessee Utah	- 1809 1889 189	$\begin{array}{c} \hline 5,206\\ 8,693\\ 8,693\\ 1,221\\ 8772\\ 350\\ (^1)^4\\ (^1)\\ 12\\ 102\\ 102\\ 102\\ 102\\ 102\\ 102\\ 102\\$	4,872 8,459 8,459 1,185 672 330 4 102 130 86 52 290 164 12 9 203 114		120 	217 77 3 200 	
Washington West Virginia Wisconsin	1889 1899 1889 1889 1899	(1) 90 (1) 8,231 8,140 120	1,020 90 7,979 8,140 120		60	19	
Wyoming	1899 1889	(1) 74 	74	25		-	

¹ Included in "All other states and territories." ² Includes Georgia, Illinois, Indian Territory, Montana, Utah, Virginia, Wash-ington, and Wisconsin.

The total number of ovens has increased in Alabama from 3,693 in 1889 to 5,206 in 1899, and in Pennsylvania from 21,405 in 1889 to 26,920 in 1899. The average number of ovens to an establishment in Alabama in 1889 was 194; in 1899 it was 347, or nearly double the number in 1889. In Pennsylvania the average number of ovens to an establishment in 1889 was 218; and in 1899 it was 302. For the entire United States the average number of ovens to an establishment increased from 150 in 1889 to 196 in 1899.

Table 4 presents the statistics relating to capital, and kind and number of ovens in idle establishments, by states and territories, for 1899 and 1889.

 TABLE 4.—IDLE ESTABLISHMENTS, BY STATES AND TERRITORIES: 1899 AND 1889.

	Year. Num- ber of estab- lish- report- ing. Capital.			OVENS.				
STATES AND TERBI- TORIES.			Total.	Bee hive.	Bel- gian or flue,	Other styles.		
The United States	1899 1889	14 28	\$511,669 444,483	$\overset{669}{1,247}$	$\substack{665\\1,142}$	65	4 40	
Alabama	1899	1	20,000	90	90			
Colorado	$1889 \\ 1899 \\ 1000$	1	$19,000 \\ 17,900$	76 22	76 18		4	
Illinois	$1889 \\ 1899 \\ 1000$	3 2	12,600 83,700		8 126		40	
Indiana	$1859 \\ 1899$	1	50,000	102	102			
Kansas	$1889 \\ 1899$	1	1,800	9	9			
Kentucky	$1889 \\ 1899$	1	5,186 5,000	16 10	16 10			
Montana	$1889 \\ 1899$	$1 \\ 1$	600 244,000	100^{2}	2 100			
New Mexico	$1889 \\ 1899 \\ 1899$	1	76,069	76	76			
Ohio	$1889 \\ 1899$	1	5,800	9	9			
Pennsylvania	1889 1899	. 4	59,200	236	236			
Tennessee	$1889 \\ 1899$	15	317, 297	884	819	65		
West Virginia	$1889 \\ 1899$	2	16,050	58	58			
_	1889	3	22,000	52	52			

Table 5 presents a comparative summary of the number of ovens and the capital in idle and active establishments in 1899 and 1889.

TABLE 5.—CAPITAL,	ACTIVE A	ND IDLE	ESTABLISH-
MENT	S: 1899 AN	VD 1889.	

	189	9	1889			
ITEMS.	Active.	Idle.	'Active.	Idle.		
Number of establishments Number of ovens Capital Buildings Ovens Machinery, tools, and im- plements. Live capital	124147, 142\$36, 502, 679\$2, 927, 354\$2, 382, 287\$18, 351, 924\$5, 927, 702\$6, 913, 462	14 669 \$511, 609 \$13, 950 \$62, 800 \$308, 469 \$131, 450	$\begin{array}{c} 218\\ 82,659\\ \$17,402,729\\ \$1,405,342\\ \$809,725\\ \$10,817,624\\ \$823,790\\ \$8,546,248 \end{array}$	28 1,247 \$444,488 \$6,425 \$48,723 \$312,661 \$44,791 \$31,888		

¹ Not including 1 penal institution (see Table 15, note 1).

The percentage of idle to active ovens in 1889 was 8.6; in 1899 it was 1.5. In 1889 the capital invested in idle plants represented 2.5 per cent of the total capital; and in 1899 it was 1.4 per cent.

By far the greater portion of the coke manufactured in the United States is made in the ordinary beehive ovens, of which there were 45,680 out of a total of 47,142 active ovens reported for 1899; and 32,129 out of a total of 32,659 reported for 1889 (Table 3). In 1880 and 1889, coke was reported as made in pits or mounds, these being used principally for experimental purposes. In later years, however, it has been considered better practice to have the coal shipped, in some cases long distances, to points where the experiments can be made in either beehive or by-product ovens, in order that better information may be secured as to the oven most suitable for the manufacture of coke from that particular coal. For this reason we find that no pits or mounds are reported for 1899. The Belgian or flue ovens, reported separately in 1880 and 1889, are included among "Other styles" in 1899. No by-product ovens were in use ten years ago, whereas 1,020 ovens of this type were operated in 1899, and produced 906,534 tons of coke.

Table 6 presents the number of salaried employees and wage-earners, and their salaries and wages for 1899 and 1889.

TABLE 6.—NUMBER OF EMPLOYEES, BY CLASSES, WITH SALARIES AND WAGES PAID: 1899 AND 1889.

EMPLOYEES AND WAGES.	1899	1889
Proprietors and firm members	48	(1)
Number Salaries Wage-earners, average number	915 \$797, 296 16, 999	161 \$113,632 8,998
Total wages Men, 16 years and over:	\$7,085,736	\$4, 072, 632
À verage number Wages Children, under 16 years :	16,982 \$7,071,834	8,942 \$4,064,118
A veräge number Wages	67 \$18, 902	56 \$8, 514

 1 Not reported separately in 1889, but, with their salaries, included in that year with officers of corporations, managers, clerks, etc.

Table 6 shows that the number of wage-earners has increased from 8,998 in 1889 to 16,999 in 1899, or 88.9 per cent. The total wages increased from \$4,072,682 in 1889 to \$7,085,786 in 1899, or 74.0 per cent.

Table 7 shows the amount and value of the coal charged into the ovens in 1899, 1889, and 1880, by states and territories, with the percentages of increase or decrease in quantity and cost.

TABLE 7 .-- QUANTITY AND VALUE OF COAL USED, BY STATES AND TERRITORIES: 1899, 1889, 1880.

	COAL CONSUMED.							PERCENTAGE OF INCREASE.			
STATES AND TERRITORIES.	18	1899 1889		1880		1889 to 1899		1880 to 1889			
	Short tons.	Cost.	Short tons.	Cost.	Short tons.	Cost.	In quan- tity.	In cost.	In quan- tity.	In cost.	
The United States	80, 157, 829	\$18, 355, 252	15, 795, 087	\$11, 110, 700	4, 860, 110	\$2,761,657	90.9	65.2	262.3	\$02. 8	
Alabama Colorado Indiana Kansas	3,028,472 817,725 26,988	2,596,718 496,033 28,079	$1,789,047 \\323,731 \\16,428 \\21,600$	1,755,876 399,778 16,156 9,011	67, 376 29, 500 1, 500	75, 314 29, 500 2, 025	69.3 152.6 	47.9 24.1 189.4	2, 555, 3 997, 4 995, 2	2, 281. 4 1, 255. 2 697. 8	
Kentucky Missouri Ohio Pennsylvania Tennesee	$151,503 \\ 5,320 \\ 142,678 \\ 19,490,030 \\ 684,821$	$\begin{array}{r} 23,079\\72,196\\2,256\\102,540\\10,899,832\\501,927\\528,979\end{array}$	$\begin{array}{r} 16,428\\ 21,600\\ 25,192\\ 8,485\\ 134,178\\ 11,336,985\\ 619,016\\ \end{array}$	$\begin{array}{r} & 5,611\\ & 13,542\\ & 8,118\\ & 123,992\\ 6,992,578\\ & 523,400 \end{array}$	193, 848 3, 608, 095 179, 311	228, 432 2, 031, 305 124, 187	501.4 1 37.3 6.3 71.9 10.6	483.1 127.6 117.8 55.9 14.1	$ \frac{130.8}{214.2} 245.2 $	145.7 244.2 321.6	
Virginia West Virginia All other states and territories	994, 635 3, 792, 825 2 1, 022, 832	1,874,960 1,258,732	1, 025, 885 \$ 494, 540	686, 570 586, 684	148, 480 4 132, 000	185, 944 135, 000	269.7 106.8	173.1 114.6	590, 9 274, 7	405.0 884.6	

¹ Decrease. ² Includes Georgia, Illinois, Indiana, Indian Territory, Massachusetts, Montana, New Mexico, New York, Utah, Washington, Wisconsin, and Wyoming.

The principal item of expense in the manufacture of coke is the cost of the coal charged into the ovens, this being the only raw material used. The value of the coal consumed is its value at the ovens, whether mined in the immediate vicinity or transported from a distance. The coal, which is crushed or washed before coking, is taken at its value after being prepared. The amount of coal used has increased 90.9 per cent, whereas its value has increased only 65.2 per cent in the last decade. This difference has been due in great part to improvements in mining machinery and methods and in underground haulage, which have decreased the cost of production.

Table 8 presents a summary showing the number of active ovens, pits, or mounds in 1899, 1889, and 1880, together with the amount of coal used, the amount and value of the coke produced, the average yield of coke per oven, the average value of coke at the ovens per ton, and the percentage yield of coal in coke. ² Includes Georgia, Illinois, Indian Territory, Montana, Utah, Virginia, Washington, and Wisconsin. ⁴ Includes Georgia and Illinois.

TABLE S.-NUMBER OF OVENS, AND QUANTITY AND VALUE OF COKE: 1899, 1889, 1880.

			1000	PERCENTAGE OF INOREASE.		
ITEMS.	1899	1889	1880	1889 to 1899.	1880 to 1889,	
Ovens, active Coal used, short tons Coke produced, short tons Total value of coke at ovens Average yield of coke per	47, 142 30, 157, 829 19, 640, 798 \$34, 633, 418 417	32,659 15,795,087 10,008,169 \$16,494,454 306	9,738 4,360,110 2,752,475 \$5,359,489 283	44. 3 90. 9 96. 2 110. 0 36. 3	235.4262.3263.6207.8 8.1	
oven, short tons. Value of coke at ovens, per ton. Yield of coal in coke, per cent.	\$1.76 65.1	\$1.65 63.4	\$1,95 63.1	6.7	¹ 15,4	

¹ Decrease.

The total value of the coke and its average price per ton represent the value of the coke at the ovens before any expenses of transportation, etc., have been added.

Table 9 presents a statement of the condition of the coal when charged into the coking ovens; that is, whether it was run-of-mine or slack, and whether it was washed or unwashed. This statement does not consider the crushing of run-of-mine coal which is sometimes done before coking.

TABLE 9.-QUANTITY AND COST OF DIFFERENT CLASSES OF COAL USED: 1899 AND 1889.

	18	99	18	89	AVERAG PER		PERCENTAGE OF INOREASE.	
OLABSES.	Tons.	Cost.	Tons.	Cost.	1899	1889	In quantity,	In cost.
Total	30, 157, 829	\$18 , \$55 , 252	15, 795, 087	\$11, 110, 700	\$0.61	\$0,70	90.9	65.2
Run-of-mine or lump, unwashed Run-of-mine or lump, washed Slack, unwashed Slack, washed	20, 844, 637 1, 457, 961 5, 036, 675 2, 818, 556	12, 309, 681 1, 304, 437 2, 966, 800 1, 774, 884	$11,631,436\\421,074\\3,195,322\\547,255$	8, 255, 542 305, 983 2, 333, 597 215, 578	0, 59 0, 89 0, 59 0, 63	0.71 0.73 0.78 0.39	79.2 246.2 57.6 415.0	$\begin{array}{r} 49,1\\ 326,3\\ 27,1\\ 723,1\end{array}$

Of the coal used in the manufacture of coke in the United States during 1899, 74.0 per cent was run-of-mine, and 98.5 per cent of this mine-run coal was unwashed. Practically all the coal used in the Connellsville region of Pennsylvania (52.9 per cent of the entire coke product of the United States) is unwashed run-of-mine, the coal being charged directly from the mine, without preparation, into the ovens. Of the total amount of coal used in 1899, 26.0 per cent was slack, and of the slack coal used, 35.9 per cent was washed. There has been a notable increase in the amount of slack coal washed before coking. The amount of unwashed slack coal used in 1899 was 57.6 per cent more than that used in 1889, whereas the amount of washed slack used in 1899 was over five times as much as that used ten years before, or an increase of 415.0 per cent.

Table 10 gives the rank of the states and territories in the production of coke, the tons of coke produced, and the percentage of total output for 1899, 1889, and 1880.

STATES AND TERRITORIES.		RANK.			TONS OF COKE.	PERCENTAGE OF TOTAL OUTPUT.			
1	1899	1889	1880	1899	1889	1880	1899	1889	1880
The United States				19, 640, 798	10, 008, 169	2, 752, 475	100.0	100. 0	100.0
Pennsylvania	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	1 8 2 6 5 4 1 12 10 7 7 9 17 7 18 15 11 16 14 14	1 3 6 7 4 	$\begin{array}{c} 18,245,594\\ 2,278,679\\ 1,787,809\\ 6,797\\ 503,543\\ 380,525\\ 380,525\\ 380,525\\ 380,525\\ 380,525\\ 380,525\\ 380,525\\ 380,525\\ 380,523\\ 380,525\\ 380,523\\ $	7, 372, 653 612, 645 1, 055, 823 (1) 199, 638 356, 954 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	2, 317, 149 95, 720 42, 035 18, 000 91, 675 109, 296 	$\begin{array}{c} 67.4\\ 11.6\\ 9.1\\ 2.6\\ 1.9\\ 2.6\\ 1.9\\ 1.7\\ 0.4\\ 0.3\\ 0.2\\ 0.2\\ 0.2\\ 0.2\\ 0.2\\ 0.1\\ 0.1\\ 0.1\\ 0.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0$	78.7 6.1 10.5 (¹) 2.0 3.6 0.8 0.1 (¹) (¹) 2.0 3.6 (¹) 2.0 (¹) 2.	84.2 3.5 1.5 0.7 8.3

TABLE 10.-PRODUCTION AND RANK, BY STATES AND TERRITORIES: 1899, 1889, 1880.

¹ Included in "All other states."

² Includes Georgia, Illinois, Indian Territory, Montana, Utah, Virginia, Washington, and Wisconsin.

There were 22 states in which coke was produced in 1899 as against 18 states in 1889, and 9 in 1880. At each census Pennsylvania has stood at the head of the cokeproducing states, more than two-thirds of the total coke product of the United States being made in that state. But the proportion of her product to the total has decreased from 84.2 per cent in 1880 to 78.7 per cent in 1889, and 67.4 per cent in 1899. West Virginia, which was third in rank at the two preceding censuses, became second in importance in 1899; and Alabama, which was sixth in 1880 and second in 1889, now stands third. Ohio, which was second in 1880, had fallen to the eighth place in 1889, and held the same mattive position in 1899. Virginia, which reported no coke product in 1880, was sixth in 1889, and fourth in 1899. Colorado, the only important cokeproducing state west of the Mississippi river, now ranks fifth among the total number; and Tennessee, which stood fourth in 1880 and 1889, was sixth in 1899. Massachusetts, which had no coke product in 1880 or 1889, was seventh in importance in 1899. This was due to the establishment of 400 Otto-Hoffman ovens at Everett, near The coal from which this coke is made is brought Boston. from the Nova Scotia mines, and gas for domestic consumption is made the primary product. The coke product, however, while largely used as a locomotive fuel, is a metallurgical coke and is therefore included in the statistics of the present investigation.

Outside of the states mentioned, there was no state that produced as much as 100,000 tons of coke in 1899, or as much as 0.5 per cent of the total.

Of the 6 leading coke-producing states, five draw their coal supply from the coal fields of the Appalachian system. These 5 states in the order of their importance--- Pennsylvania, West Virginia, Alabama, Virginia, and Tennessee—contributed 93.2 per cent of the entire product of the United States in 1899. The proportion of the product of the United States coming from this field (92.5 per cent in 1880; and 93.2 per cent in 1899) has remained almost the same for twenty years; the relative decrease in Pennsylvania since 1880 and in Tennessee since 1889 being about balanced by the increase in Virginia, West Virginia, and Alabama.

Table 11 presents a statement of the amount and value of coal used; and the amount and value of coke produced in 1899, 1889, and 1880; also the amount of coal in pounds necessary to produce a ton (2,000 pounds) of coke; and the value of the coal used to a ton of coke.

TABLE 11.—COMPARATIVE SUMMARY, RELATION OF COAL USED TO COKE PRODUCED: 1899, 1889, 1880.

ITEMS.	1899	1889	1880
Total coal used, tons	30, 157, 829	$\begin{array}{c} 15,795,087\\ \$11,110,700\\ \$0,70\\ 10,008,169\\ \$16,494,454\\ \$1,65\\ 3,156\\ \$1,11 \end{array}$	\$4,860,110
Total cost of coal	\$18, 355, 252		2,701,657
Average cost of coal per ton	\$0, 61		\$0.63
Tons of coke made	19, 640, 798		2,752,475
Value of coke made	\$84, 633, 418		\$5,359,489
Average value of coke per ton	\$1, 76		\$1.95
Quantity of coal per ton of coke (pounds)	3, 070		8,168
Average cost of coal to ton of coke	\$0, 98		\$1.00

The amount of coal used in 1899 was 30,157,829 tons, yielding 19,640,798 tons of coke—indicating a loss in weight by the coking process of 34.9 per cent. The value of the coal used was \$18,355,252, whereas the value of the coke produced was \$34,633,418, an increase of 88.7 per cent. In 1889 the loss in weight by coking was 36.6 per cent, and the increase in value was 48.4 per cent. The amount of coal necessary to make a ton of coke was less in 1889 than in 1880, and was reduced in 1899, as compared with 1889, indicating a greater efficiency in the coking operations.

Table 12 presents, by states and territories, the total amount of coal used and the coke produced in 1899 and 1889, together with the percentage of coal in coke in each state and territory in both years.

TABLE 12.—QUANTITY AND PERCENTAGE OF YIELD OF COAL IN COKE, BY STATES AND TERRITORIES: 1899 AND 1889.

		1899		1889			
STATES AND TER- RITORIES.	Number of tons of coal used.	Number of tons of coke man- ufactured,	Per- cent- age of yield in coke.	Number of tons of coal used.	Number of tons of coke man- ufactured.	Per- cent- age of yield in coke.	
United States	30, 157, 829	19, 640, 798	65.1	15, 795, 087	10, 008, 169	63.4	
Alabama Colorado Indiana	8 , 028, 472 817, 725	1,787,809 503,543	59.0 61.6	$1,789,047 \\ 323,731 \\ 16,428$	1,055,823 199,638 8,301	59.0 61.7 50.5	
Kansas Kentucky Missouri Ohio Pennsylvania Tennessce Virginia West Virginia Ail other states and torritories	$\begin{array}{r} 26,988\\ 151,503\\ 5,320\\ 1,42,678\\ 19,490,030\\ 684,821\\ 994,635\\ 8,792,825\\ 11,022,882\\ \end{array}$	$\begin{array}{r} 14,476\\ 81,095\\ 2,860\\ 83,878\\ 13,245,594\\ 380,525\\ 618,707\\ 2,278,679\\ 643,632\\ \end{array}$	$\begin{array}{c} 53.6\\ 53.5\\ 53.8\\ 58.8\\ 68.0\\ 55.6\\ 62.2\\ 60.1\\ 62.9\end{array}$	$\begin{array}{r} 13, 460\\ 21, 100\\ 25, 192\\ 8, 485\\ 134, 178\\ 11, 336, 985\\ 619, 016\\ \hline 1, 025, 885\\ {}^{2}494, 540\\ \end{array}$	$\begin{array}{r} 3,910\\ 13,021\\ 5,275\\ 75,826\\ 7,372,658\\ 356,964\\ \hline \\ 612,645\\ 294,113\\ \end{array}$	$\begin{array}{r} 50.5\\ 64.4\\ 51.7\\ 62.2\\ 56.5\\ 65.0\\ 57.7\\ \hline 59.7\\ 59.5\end{array}$	

¹ Includes Georgia, Illinois, Indiana, Indian Territory, Massachusetts, Montana, New Mexico, New York, Utah, Washington, Wisconsin, and Wyoming. ² Includes Georgia, Illinois, Indian Territory, Montana, Utah, Virginia, Washington, and Wisconsin.

By the yield of coal in coke is meant the percentage of the original weight of the coal that remains in the form of coke after the process of coking is complete. The statement shows that the yield of coal in coke in 1899 was 65.1 per cent as compared with 63.4 per cent in 1889. The highest yield in both years is reported for Pennsylvania. The lowest yield in 1899 was in Kentucky (5.3.5 per cent), and in 1889, in Indiana (50.5 per cent). It must be stated in this connection (and the same statement should be made in regard to the amount of coal used in the manufacture of coke) that it is not possible to secure absolutely accurate information on this point, for the reason that, in many instances, the coal is not weighed before being charged into the ovens, and the amount as reported on the schedules is frequently estimated. The figures, however, may be taken as fairly representing the conditions.

Table 13 shows the quantity and value of by-products from retort or by-product ovens in 1899.

TABLE 13.—BY-PRODUCTS: 1899.

ITEMS.	Unit of measure.	Number.	Value.
Tar Anmonium sulphate Ammonia liquor Surphus gas sold Unclassified Total value	Cubic feet _	1,572,325 1,171,942,697	207,952 330,921 180,642 225,022 7,490 952,027

TABLE 14.—PENNSYLVANIA AND WEST

	DISTRICTS.	Rank accord- ing to number of tons of coke pro-	Number of es- tablish- ments report- ing.	Total capital.	Proprie- tors and firm mem- bers.		D OFFICERS.	WAGE-	EARNERS.
1	Pennsylvania	duced.		\$20, 213, 147	43	Number. 	Salaries. 	number. 9,283	Wages. \$4, 516, 651
2 3 4 5 6 7 8 9 10	Allegheny Mountain Broad Top Clearfield-Center Connellsville Greensburg Irwin Pittsburg Reynoldsville-Walston Upper Connellsville	6 14 12 1 13	10 4 5 39 3 4 7 6 11	1, 267, 100	1 24	512 8 9 370 11 3 22 9 84	$\begin{array}{c} 58,027\\7,077\\5,200\\348,924\\6,600\\1,507\\21,290\\6,491\\81,017\end{array}$	$\begin{array}{c} 450\\ 103\\ 140\\ 6,647\\ 123\\ 156\\ 512\\ 550\\ 602 \end{array}$	$\begin{array}{r} 172,509\\ 48,199\\ 57,635\\ 8,405,285\\ 30,397\\ 57,213\\ 262,615\\ 228,861\\ 258,937\end{array}$
11	West Virginia		77	4, 452, 579	1	208	126,878	3, 131	890, 024
$ \begin{array}{r} 12 \\ 13 \\ 14 \\ 15 \\ 16 \\ $	Flat Top Kanawha New River Upper Monongahela Upper Potonac	2 10 9 7 8	35 7 16 16 3	2,325,737479,964558,861823,529264,488	1	$ \begin{array}{r} 106 \\ 11 \\ 34 \\ 36 \\ 21 \end{array} $	66, 126 13, 669 23, 941 15, 380 7, 762	1, 849 331 333 832 286	$\begin{array}{r} 445,789\\74,586\\113,796\\142,977\\112,876\end{array}$

As previously stated, the introduction of retort ovens, whereby the volatile constituents of the coal consumed in the coking are saved, has been a development of the last decade, and no statistics of this kind are available for either 1889 or 1880. These by-products consist of tar, ammonia (as sulphate or ammoniacal liquor), and surplus gas. The gas which is consumed at the ovens in the distillation of the coke is not considered a marketable product, and no statement of value of this factor could be obtained in any way, as it is not measured. Nor does the investigation extend to the consideration of the products obtained from the coal tar as a raw material. The by-products of tar, ammonia, gas, etc., represent a total value of \$952,027.

Table 14 presents the statistics of the coke-producing regions of Pennsylvania and West Virginia, divided, for the sake of convenience, into districts.

The division in Pennsylvania has been made as follows: The Allegheny Mountain district includes the ovens along the line of the Pennsylvania Railroad from Gallitzin to beyond Altoona on the eastern side of the Alleghenies. The Connellsville district is the one located in the wellknown region of that name in western Pennsylvania, and covers the greater part of Westmoreland and Fayette counties from just south of Latrobe to Fairchance. The Upper Connellsville district includes the northern portion of the Connellsville basin lying just north of the Connellsville district proper. The Clearfield-Center district is contained in the two counties from which it derives its name. The Broad Top district is located in the Broad Top coal fields, and the Greensburg, Irwin, Pittsburg, and Reynolds-Walston districts include the ovens near the towns from which their names are derived.

West Virginia is divided into five coking districts, known respectively as the Kanawha, the New River, the Flat Top, the Upper Monongahela, and the Upper Potomac. The first two are compact and continuous. They include the ovens along the Chesapeake and Ohio Railroad from Quinnimont to the western limit of the coal fields. The Flat Top region includes the ovens in what is known as the Pocahontas district, including the counties of McDowell and Mercer. The Upper Monongahela and the Upper Potomac regions embrace the ovens located in the northern part of the state along the headwaters of the two rivers from which they derive their names.

Table 15 presents a detailed statement of the statistics for the industry, by states and territories, during the period covered by the present investigation.

	MATERIAL	s used.		-		PRODU	CTS.				
	Cot	ul.	All other.	Miscella- neous expenses.	Coke.		ke.	All other.	Percent- age yield of coal	Price of coke per ton.	
Total value.	Quantity, short tons.	Value.	Value.	on ponsen	Total value.	Quantity, short tons.	Value.	Value.	in coke.	per ton.	
\$11,678,079	19, 490, 030	\$10, 899, 882	\$778,247	\$1,227,259	\$22, 282, 358	13, 245, 594	\$22,039,151	\$243, 207	68.0	\$1.66	1
609,580 131,936 132,508	773, 543 161, 196 198, 110 14, 974, 978	$\begin{array}{c} 586, 513\\ 120, 698\\ 131, 040\\ {\bf 8}, 204, 585\\ 101, 757\\ 90, 864\\ 675, 728\\ 503, 638\\ 535, 509\end{array}$	78,067 11,238 1,468	71,8946,4509,224981,346	1,058,802 199,953 234,527	$\begin{array}{c} 506, 840\\ 107, 258\\ 130, 865\\ 10, 89, 835\\ 110, 594\\ 138, 085\\ 644, 467\\ 613, 757\\ 609, 898\end{array}$	1,018,540 197,895 284,527	39,762 2,058	65,5 66,5 66,1	$2.01 \\ 1.85 \\ 1.79$	234
$\begin{array}{r} 102, 503\\ 8, 803, 833\\ 102, 152\\ 96, 100\\ 713, 155\\ 507, 449\\ 581, 360\end{array}$	$\begin{array}{r} 14,974,978\\173,811\\223,457\end{array}$	8,204,585 101,757 90,864	$11,238 \\ 1,408 \\ 599,248 \\ 895 \\ 5,742$	F 6 189 I	$\begin{array}{r}17,128,112\\247,421\\197,694\end{array}$	$\begin{array}{r} 10,389,335\\ 110,594\\ 133,085 \end{array}$	$1,018,540 \\197,895 \\234,527 \\17,075,411 \\247,421 \\197,694 \\197,694$	52,701	69.4 63.6 59.6	$ \begin{array}{r} 1.64 \\ 2.24 \\ 1.49 \end{array} $	5 6 7
713, 155 507, 449 581, 360	954,028 1,097,115 988,792	675, 728 503, 638 585, 509	5,742 87,427 8,811 45,851	8,416 58,793 44,550 40,397	$1,058,802\\199,953\\284,527\\17,128,112\\247,421\\197,694\\1,337,803\\892,248\\986,298$	644, 467 613, 757 609, 898	1, 189, 117 892, 248 986, 298	148,686	67.6 55.9 65.3	$ \begin{array}{c} 1.85 \\ 1.45 \\ 1.62 \end{array} $	8 9 10
1,966,682	3, 792, 825	1, 874, 960	91,722	226,603	8,529,241	2, 278, 679	8, 470, 405	58, 836	60.1	1.52	11
802, 129 166, 908 349, 263 845, 057	$1,861,570 \\ 323,506 \\ 493,160$	757, 341 154, 978 338, 889 335, 686 288, 666	44,788 11,980 10,874 9,371	$150,167 \\ 14,488 \\ 23,461 \\ 33,899$	1,453,598364,148523,996655,141	${}^{1,138,490}_{190,337}_{281,135}$	1,458,598 864,148 528,996		61.2 58.8 57.0	$1.28 \\ 1.91 \\ 1.86$	12 18 14 15 16
8415, 057 303, 325	607, 796 506, 798	835, 686 288, 066	9,371 15,259	33, 899 4, 593	$655, 141 \\ 532, 358$	302, 872 305, 845	523, 996 596, 305 532, 358	58,836	59.7 60.4	1.64 1.74	15 16

VIRGINIA, BY DISTRICTS: 1899.

ESTABLISHMENTS, OAPITAL, ETO.	The United States. ¹	Alabama.	Colorado.	Kansas,	Ken- tucky.	Mis- souri.	Ohio.	Pennsyl- vania.	Ten- nessee.	Virginia.	West Virginia.	All other states and territories. ²
Number of establishments Character of organization : Individual	241 15	15	9	8	5	3	δ	89 12	8	5	77 2 1	17 1 1
Firm and limited partner- ship.	21			2				16				15
Incorporated company Capital Land Buildings Ovens Machinery, tools, and im-	205 \$36, 502, 679 \$2, 927, 354 \$2, 382, 237 \$18, 351, 924	$\begin{array}{c} 14 \\ \$3,855,379 \\ \$1,303,111 \\ \$78,751 \\ \$1,889,319 \\ \$377,821 \end{array}$	9 \$928, 874 \$27, 700 \$95, 325 \$726, 572 \$36, 810	\$400 \$1,057	5 \$198, 533 \$1, 900 \$17, 800 \$135, 650 \$30, 428	\$1,850 \$125 \$1,500	\$84,690 \$4,100 \$3,770 \$62,745	$\begin{array}{c} 61 \\ \$20, 218, 147 \\ \$744, 341 \\ \$1, 501, 105 \\ \$9, 774, 075 \\ \$2, 686, 344 \end{array}$	8 \$607, 322 \$144, 412 \$44, 800 \$319, 000	5 \$1,252,377 \$102,000 \$94,600 \$879,000 \$51,300	74 \$4,452,579 \$90,416 \$380,793 \$2,918,889 \$646,701	\$4, 863, 661 \$508, 849 \$164, 286 \$1, 672, 828 \$2, 005, 850
Live capital Proprietors and firm members_	\$5,927,702 \$6,913,462 48	\$256, 377 2	\$12,467	\$1,276	\$12,755	\$75 \$150	\$9, 345 \$4, 730	\$5,507,282 40	\$66, 840 \$32, 270	\$125,477	\$415,780 1	\$511,898 1
Salaried employees: Total number Total salaries Officers of corporations: Number	915	43 \$40,003	19 \$26,779	4 \$2, 920	8 \$5,600		14 \$18, 760	518 \$481, 133	22 \$14, 281	23 \$26, 360	208 \$126, 878	56 \$54, 582
Number Salaries General superinten- dents, managers,	172 \$216, 427	11 \$6,854	\$500		\$2,000		8 \$8,600	93 \$146, 217	\$6, 390	1 \$1, 800	50 \$35, 956	\$8,110
dents, managers, clerks, and sales- men: Total number	740	82	10		6		11	425	16	22	158	51
Total salaries Men : Number	743 \$580, 809 722	\$33, 149 32	\$26, 279 18	\$2,920 4	\$3,600 5		\$10, 160 7	\$334, 916 414	\$7, 891 15	\$24,560 92	\$90, 922	\$46, 472 47
Salaries Women : Number	\$571,658	\$33,149	\$26, 279	\$2,920	\$3,000		\$8,200	\$331,045	\$7,711 1	\$24, 5 6 0	158 \$90, 922	\$43, 872 4 \$2, 600
Salaries Wage-earners, including piece- workers, and total wages: Greatest number employed	\$9, 211 20, 245	1,958	586	41	\$600 148	4	\$1, 960 77	\$3, 871 10, 864	\$180 547	912	3,816	\$2,800 1,297
at any one time during the year. Least number employed at any one time during the	14, 403	1,591	278	23	96	4	62	7,676	426	669	2,669	914
year. Average number Wages	16, 999 \$7, 085, 736	1,592 \$585,622	406 \$226,454	28 \$11,425	126 \$47,806	4 \$2,220	71 \$32,710	9,283 \$4,516,651	477 \$127,539	785 \$225,532	3,131 \$890,024	1,096 \$469,753
Men, 16 years and over: A verage number Wages Children, under 16	16, 932 \$7, 071, 834	1,558 \$527,757	406 \$226,454	28 \$11,425	126 \$47,806	4 \$2, 220	71 \$32, 710	9,278 \$4,515,749	468 \$125,469	773 \$223, 872	3, 124 \$888, 619	1,096 \$469,753
A verage number of wage-earn-	67 \$13, 902	84 \$7,865		-				5 \$902	9 \$2,070	12 \$1,660	7 \$1,405	
employed during each month:												
	. 15, 495 15, 353	1,350 1,224	866 361	34 34	97 97	44	75 75	- 8, 883 8, 463	453 460	678 674	2,960 2,918 2,940	$1,095 \\ 1,048$
Men, 16 years and over: January February March June June July September October Doctober December	$\begin{array}{c} 16,112\\ 16,312\\ 16,624\\ 16,624\\ 16,261\end{array}$	$\begin{array}{c} 1,387\\ 1,428\\ 1,566\\ 1,557\end{array}$	405 400 403 852	81 25 20 18 24 26	102 115 135 136	4 4 4	78 76 62 63	8,883 9,000 8,983 8,724 9,273 9,578	467 455 439 451	721 740 833 822	2,940 3,035 3,093 3,128	1,0991,0391,0861,011
July August September	16,966 17,437 17,666	1,529	894 891 412	24 26 24 26	139 187 137	44	76 62 65 65 73 71	9,718	484 460 471	829 846 813	8,195 8,196 8,129	1,030 1,117 1,163
October November December Children, under 16 years:	17, 978 18, 864 18, 619	1,765 1,760 1,791	453 471 468	26 81 36	138 139 141	4 4 4	71 77 77	9,888 10,145 10,358	476 486 514	801 774 745	8, 262 8, 313 3, 329	$1, 144 \\ 1, 164 \\ 1, 156$
January February	. 58	26 27 26						4	9 8 10	12 12 12 12 12 12	7777	
March April May June July	- 60	29 34 34 36		-				4 4 4 3	9 8 8 10	12 12 12 12 12	7778	
August September October November	- 69	35 41 40						4 6	10 10 10	12 12 12	8 8 5	
November December Miscellaneous expenses :	- 72 74	39 89						6	10 10	12 12	57	
Total Rent of works Fire brick, cement, etc.,	\$2, 184, 968 \$167, 695 \$408, 311	\$180, 290 \$55, 938	\$38, 446 \$17, 208	\$260	\$7, 893 \$50 \$3, 055	\$125 \$75	\$2,924 \$220 \$1,274	\$1,227,259 \$32,177 \$232,825	\$24,736 \$3,940 \$4,152	\$37,145 \$20,315 \$8,650	\$226, 603 \$107, 390 \$63, 095	\$427, 978 \$3, 343 \$21, 944
used in repairing ovens. Taxes, not including inter- nal revenue.	\$261,079	\$16, 764	\$628	\$639	\$720	\$35	\$780	\$186, 344	\$1,169	\$2,100	\$18, 897	\$33,003
Rent of offices, insurance, interest, and all sundry expenses not hitherto in- cluded.	\$1, 291, 287	\$74, 916	\$20,610	\$11,075	\$3,568	\$15	\$650	\$763,057	\$9, 450	\$6,080	\$37,221	\$864, 645
Contract work Materials used : Jotal	\$56, 596 \$19, 665, 532	\$32, 672 \$2, 673, 568	\$527,558	\$28, 136	\$75,284	\$2,566	\$138, 296	\$12,856	\$6,025 \$522,966	\$677, 269	\$1,966,682	\$5,043 \$1,875,178
Coal used : Number of short tons Cost	80, 157, 829 \$18, 355, 252	H .	817, 725 \$496, 033	26, 988 \$26, 079	151,503 \$72,196	5, 320 \$2, 256	142,678 \$102,540	19, 490, 030 \$10, 899, 832	684, 821 \$501, 927	994,635 \$523,979	3, 792, 825 \$1, 874, 960	1,022,832
Fuel	\$200, 215 \$675, 720 \$245, 161	\$12,757 \$13,479 \$44,374		\$485	\$826 \$830 \$1,162	\$310	\$12 \$500 \$1,209 \$34,035	\$122, 156 \$88, 853 \$503, 261 \$63, 977	•	\$13,673 \$69,825	\$8,416 \$7,850 \$65,187 \$10,819	\$40,118 \$15,059 \$50,268

Ixclusive of 1 penal establishment in Tennessee, operating 100 beehive ovens with an output of 54,783 tons of coke, valued at \$85,796. This institution also reports capital, \$68,400, and materials used, \$80,817, including 95,174 tons of coal costing \$25,847.
 Includes states having less than 3 establishments in order that the opera-

.

tions of individual establishments may not be disclosed. These establishments are distributed as follows: Georgia, 2; Illinois, 1; Indiana, 1; Indian Territory, 2; Massachusetts, 1; Montana, 2; New Mexico, 2; New York, 1; Utah, 1; Wash-ington, 2; Wisconsin, 1; and Wyoming, 1.

TABLE 15.-COKE MANUFACTURED, BY STATES AND TERRITORIES: 1899.

TABLE 15.-COKE MANUFACTURED, BY STATES AND TERRITORIES: 1899-Continued.

······												
ESTABLISHMENTS, CAPITAL, ETC.	The United States.1	Alabama.	Colorado.	Kansas.	Ken- tucky.	Mis- souri,	Ohio.	Pennsyl- vania.	Ten- nessee.	Virginia.	West Virginia.	All other states. ²
Products: Total value Coke:	\$35, 585, 445	\$3,726,438	\$1, 213, 561	\$32, 270	\$161,454	\$5, 520	\$255, 129	\$ 22, 282, 358	\$764, 890	\$1,072,684	\$3, 529, 241	\$2, 541, 905
Number of short tons Value Tar:	19, 640, 798 \$34, 633, 418	1,787,809 \$3,634,471	503,548 \$1,212,101	14,476 \$30,817	81,095 \$161,454	2, 860 \$5, 520	$\begin{array}{c} 83,878 \\ \$255,129 \end{array}$	13,245,594 \$22,039,151	380, 525 \$764, 890	618,707 \$1,071,284	2,278,679 3,470,405	643,632 \$1,988,196
Number of pounds Value Ammonium sulphate:	104, 687, 330 \$207, 952	15,437,230 \$28,428	282,000 \$1,460					35, 044, 280 \$64, 429		40, 000 \$150	8, 181, 160 \$15, 063	45, 702, 660 \$98, 422
Number of pounds Value Ammonia liquor:	11, 984, 931 \$330, 921							8,046,688 \$78,999		50,000 \$1,250		8, 888, 248 \$250, 672
Number of gallons Value Gas sold:	1, 572, 325 \$180, 642	871, 180 \$63, 534						890,184 \$61,073			214, 945 \$38, 492	96, 066 \$17, 548
Number of cubic feet Value Value of all other products.	\$225,022		نور بر مر بی کار بر این می می این این این می این این این این این این این این این ای					$153,201,100 \\ \$32,669 \\ \$6,037$			160, 378, 200 \$5, 281	858, 363, 397 \$187, 072
Comparison of products: Number of establishments reporting for both years.	200	9	7	\$1,453 5	8	2	5	\$6,037 75	7	5	68	1.4
Value for census year Value for preceding busi-	\$82, 835, 445 \$23, 253, 879	\$3,282,997 \$2,487,727	\$1,154,281 \$1,036,778	\$15,488 \$9,330	\$88, 755 \$48, 032	\$4,320 \$1,050	\$255, 129 \$210, 488	\$21, 548, 766 \$14, 983, 787	\$762,236 \$507,905	\$1,072,684 \$719,616	\$3,241,770 \$2,425,402	\$909, 069 \$823, 764
ness year, Power: Total horse power Owned:	36, 229	692	240	50	136		55	25, 057	630	1, 489	4, 095	3, 835
Engines: Steam:			_									
Number Horse power Gas or gasoline;	. 29, 148	13 482	$5 \\ 240$	1 50	136 ⁴		2 55	220 21, 513	11 605	17 408	54 3, 224	28 2,435
Number Horse power Electric motors:			*********					27				
Number Horse power Locomotives:	1,462							25 532		1 90	2 40	40 800
Number Horse power Other power	5,269	210 210						54 2, 817	2 25	5 941	15 8676	1 600
(pumps): Number Horse power	. 14							5 188			9 155	
						1		1 100			100	

¹ Exclusive of 1 penal establishment in Tennessee, operating 100 beehive ovens with an output of 54,783 tons of coke, valued at \$85,796. This institution also reports capital, \$63,400, and materials used, \$80,817, including 95,174 tons of coal costing \$28,847.
 ² Includes states having less than 8 establishments in order that the opera-

tions of individual establishments may not be disclosed. These establishments are distributed as follows: Georgia, 2; Illinois, 1; Indiana, 1; Indian Territory, 2; Massachusetts, 1; Montana, 2; New Mexico, 2; New York, 1; Utah, 1; Wash-ington, 2; Wisconsin, 1; and Wyoming, 1. ³ Includes 1 compressed air locomotive.

Twelfth Census of the United States.

CENSUS BULLETIN.

No. 64.

WASHINGTON, D. C.

May 29, 1901.

POPULATION OF THE UNITED STATES BY STATES AND TERRITORIES: 1900.

The Official Count, 76,303,387.

This bulletin, prepared under the direction of Mr. WILLIAM C. HUNT, chief statistician for population, gives the population of the United States by states and territories, according to the official count of the returns of the Twelfth Census, taken as of June 1, 1900.

By the terms of the census act, approved March 3, 1899, the Census Office was charged with the duty of enumerating the population of each of the states and organized territories, including the District of Columbia, and, in addition, the population of Alaska, Hawaii, and Indian Territory. For the purposes of this enumeration 300 supervisors' districts were established, and in 297 of these districts, comprehending all the area to be canvassed, with the exception of Alaska and Hawaii, the conduct of the work was vested in officers termed by the census act Supervisors of Census, appointed by the President and confirmed by the Senate. In the remaining 3 districts, namely, 2 in Alaska and 1 in Hawaii, the enumeration was placed in charge of special agents, appointed by the Director of the Census, under the discretion given him by the census act. For purposes of the enumeration the area comprising the 297 supervisors' districts was divided into 52,726 enumeration districts, and, similarly, that comprising the 3 districts in Alaska and Hawaii into 145 districts. The census was taken as of June 1, 1900, and was to be completed in two weeks in places of 8,000 inhabitants or more at the census of 1890, and in one month in rural districts.

By special arrangement with the Secretary of War and the Secretary of the Navy, the enumeration of persons in the military and naval service, either at stations in this country or abroad, was made in behalf of this office through the agencies of the War and Navy Departments.

The first returns of population were received June 13, 1900, and the count of population was begun shortly thereafter.

The announcement of the population of the entire country, needed for purposes of apportionment, was made on November 27, 1900, including an estimate of 14,400 persons in CP 18M the military and naval service of the United States stationed abroad, principally in the Philippines, for which no returns had at that time been received. Since that announcement a few minor changes in the population have been made, arising from complaints of faulty enumeration which upon investigation were sufficiently substantiated to warrant making the necessary corrections. The population of the United States, including that of Alaska, Hawaii, Indian Territory, and Indian reservations, taken as of June 1, 1900, is 76,303,387, distributed by states and territories as follows :

TABLE 1.—POPULATION OF THE UNITED STATES BY STATES AND TERRITORIES: 1900.

STATES AND TERRITORIES.	Population in 1900.	Indians not taxed in 1900.
The United States	76, 303, 387	129, 518
States,		
Alabama	1, 828, 697	
Arkansas	1 911 804	*************
Onliformio	1,311,564	1 540
California	1, 485, 053	1,549
Colorado	539,700	597
Connecticut	908, 420	*** ***
Delaware	184,785	
Florida	528, 542	
Georgia	2, 216, 331	
Idaho	161,772	2,297
Illinois	4,821,550	2,201
Indiana	2, 516, 462	
Iowa	0 001 050	
Konood	2, 231, 853	
Kansas	1, 470, 495	
Kentucky	2, 147, 174 1, 381, 625	
Louisiana	1, 381, 625	
Maine	694,466	
Maryland	1,188,044	
Massachusetts	2,805,346	-
Michigan	2,805,346 2,420,982	
Minnesota	1.751.394	1,768
Mississippi	1,551,270	2,100
Missouri	8, 106, 665	*********
Montana		10,746
Nohmodra	243, 329	
Nebraska	1,066,300	1,665
Nevada	42, 835	1,665
New Hampshire	411,588	
New Jersey	1,883,669	
New York	7, 268, 894	4,711
North Carolina.	1,893,810	
North Dakota	819, 146	4,692
Ohio	4, 157, 545	
Oregon	413,586	
Pennsylvania	6, 302, 115	
Rhode Island		
South Caroline	428,556	
South Carolina	1, 340, 316	
South Dakota	401,570	10,932

TABLE 1.—POPULATION OF THE UNITED STATES BY STATES AND TERRITORIES: 1900—Continued.

STATES AND TERRITORIES.	Population in 1900.	Indians not taxed in 1900.
States—Continued.		
Tennessee Texas Utah Vermont Washington Washington Wisconsin Wyoming Total for 45 states	$\begin{array}{c} 2,020,616\\ 8,048,710\\ 276,749\\ 343,641\\ 1,854,184\\ 518,108\\ 958,800\\ 2,069,042\\ 92,581\\ \hline 74,607,225\end{array}$	1,472 2,531 1,657 44,617
Territories, Alaska Arizona District of Columbia Hawaii Indian Territory New Mexico Oklahoma	63, 592 122, 931 278, 718 154, 001 392, 060 195, 310 895, 331	24, 644
Total for 7 territories Persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad.	1, 604, 948 91, 219	84,901

As shown by the above table, 120,518 Indians not taxed were enumerated at the census of 1900, and are included in the statement of the aggregate population of the country and of the several states and territories in which they are found; but, under the provisions of the Constitution, the number of Indians not taxed living in the 45 states (44,617) should be deducted from the total population of the states and from that of each state affected thereby, for the purpose of determining the population to be used in the apportionment of representatives.

The 91,219 persons enumerated at military or naval stations abroad, including naval vessels, are distributed as follows:

TABLE 2.—PERSONS ENUMERATED AT MILITARY OR NAVAL STATIONS ABROAD: 1900.

LOCATION OF STATIONS.	Total.	Officers and enlisted men.	Civilian em- ployees, etc.
Aggregates	91, 219	87,538	3, 681
Naval vessels Cuba	$14,701 \\ 11,048 \\ 147 \\ 62,095 \\ 3,201 \\ 27$	14, 805 9, 666 147 60, 883 2, 537	1, 396 1, 382 1, 212 664 27

The 396 persons reported under the heading of "civilian employees, etc.," as being on naval vessels include boys and other persons (not officers or enlisted men) on vessels loaned to certain states for use as school ships, and on vessels under the control of other departments of the government but which are operated by officers and enlisted men detailed by the Navy Department. The remaining 3,285 persons, classed under the same heading include not only civilian employees, but also officers' ser-

vants and members of the families of certain of the officers and enlisted men and of civilian employees.

No provision was made by the census act for the enumeration of the inhabitants of Porto Rico, but a census for that island, taken as of November 10, 1899, under the direction of the War Department, showed a population of 953,243. A similar enumeration, under the direction of the War Department, was made of the island of Cuba, and this census, taken as of October 16, 1899, showed a population of 1,572,797. No census of the Philippines, or of the islands of Guam and Tutuila, has been taken since they have been in the possession of the United States, although an attempt is now being made to take a partial census of the Philippines, under the direction of the civil commission, popularly known as the Taft Commission, appointed by the President April 7, 1900.

There was no enumeration made, as a part of the United States census, prior to 1890 of the Indians and other persons living in Indian Territory and on Indian reservations, or prior to 1880 of the population of Alaska. Hawaii was annexed August 12, 1898, and the census of 1900 is, therefore, the first census of the islands taken under the supervision of the United States. The Hawaiian Government, however, took a census every six years from 1866 to 1896, inclusive, and the figures derived from the census taken as of December 28, 1890, are used for comparison with similar results for 1900.

The total population in 1890, with which the aggregate population at the present census should be compared, is 63,069,756, comprising 62,622,250 persons enumerated in the states and organized territories at that census; 32,052 persons in Alaska; 180,182 Indians and other persons in Indian Territory; 145,282 Indians and other persons on Indian reservations, etc.; and 89,990 persons in Hawaii, this last named figure being taken from the census of December 28, 1890, as explained in the preceding paragraph. These figures for 1890 are compared with similar figures for 1900 as follows:

	1900.	1890.	
States and organized territories	75,559,258	62, 622, 250	
Alaska	63,592	32,052	
Hawaii	. 154,001	89,990	
Indian Territory	392,060	180,182	
Indian reservations, etc	134,476	145,282	
. Total population	76,303,387	63,069,756	

On the basis of the above figures, the aggregate population of the entire area of enumeration in 1900 is 76,308,387, which, compared with the population of equivalent areas in 1890, namely, 63,069,756, shows an increase during the decade of 13,233,631, or 21 per cent.

In order to make a direct comparison of the population in 1890 and 1900 with that comprehended by preceding censuses, it is necessary to exclude from the statements of population in 1890 and 1900 the population of those areas which have been included only recently in the Federal census, as indicated by table 3.

TABLE 3.—POPULATION OF THE UNITED STATES AT EACH CENSUS: 1790 TO 1900.

CENSUS YEARS.	States and organized ter- ritories, etc.	Indian Territory, Indian res- ervations, etc.	Alaska.	Hawaii,
1900 1800 1830 1870 1830 1830 1840 1830 1840 1830 1840	$\begin{array}{c} 75,559,258\\ 62,622,250\\ 50,155,783\\ 38,558,371\\ 31,443,321\\ 123,101,876\\ 12,866,020\\ 9,638,453\\ 7,239,881\\ 5,305,488\\ 3,929,214 \end{array}$	526, 536 325, 464 	63, 592 32, 052 33, 426	154,001 89,990

Eliminating the population of Alaska, Hawaii, Indian Territory, and Indian reservations in 1900, there remains, as shown by the above table, 75,559,258, which figure can be compared with the population obtained in 1890 as a part of the general enumeration (62,622,250) and with the population returned at each census from 1790 to 1880, inclusive. There has been an increase in the population of the states and organized territories of the United States since 1890, on this basis, of 12,937,008, or 20.7 per cent, as compared with an increase from 1880 to 1890 for the same area of 12,466,467, or 24.9 per cent, as shown by table 4.

TABLE 4.—INCREASE IN POPULATION OF THE UNITED STATES AT EACH CENSUS: 1790 TO 1900.

CENSUS YEARS.	Population, ex- cluding Alas- ka, Hawaii, In- dian Territory,	INCREASE.			
	Indian reservations, etc.	Number,	Per cent.		
1900 1800 1830 1830 1830 1830 1840 1850 1840 1830 1840	9,638,453 7,239,881	$\begin{array}{c} 12, 937, 008\\ 12, 468, 467\\ 11, 597, 412\\ 7, 115, 050\\ 8, 251, 445\\ 6, 122, 423\\ 4, 203, 433\\ 3, 227, 567\\ 2, 398, 572\\ 1, 931, 398\\ 1, 379, 269\\ \end{array}$	$\begin{array}{c} 20.7\\ 24.9\\ 80.1\\ 22.6\\ 85.9\\ 85.9\\ 82.7\\ 83.5\\ 83.1\\ 86.4\\ 85.1\\ \end{array}$		

As stated in the census report of 1890,¹ there was a deficiency in the enumeration of the population in the southern states in 1870, which not only gave an exaggerated rate of increase between 1870 and 1880 in the population of those states, but affected materially the rate of increase in the country at large. There is no means of ascertaining accurately the extent of these omissions, but an approximate correction in the population for 1870 was made in the census report of 1890, by which the population in 1870 was said to be 39,818,449 instead of 38,558,371, resulting in the following changes in the percentages of increase from 1860 to 1870 and from 1870 to 1880, respectively:

GENBUS YEARS.	Population,	INCREASE.			
		Number,	Per cent.		
1860 1870 1880	31, 443, 821 2 39, 818, 449 50, 155, 783	8, 375, 128 10, 387, 334	26, 6 26, 0		

Using the corrected population for 1870, an increase of 26 per cent is shown for the decade from 1870 to 1880, or practically the same rate of increase that was attained during the preceding ten years. There was an increase in the population of the states and organized territories from 1880 to 1890 of not quite 25 per cent, and from 1890 to 1900, as previously stated, of not quite 21 per cent.

The population of states and territories as returned at each census from 1790 to 1900, inclusive, is presented in table 5, while the increase in population of states and territories at each decennial period, based upon the figures given in table 5, is presented in table 6.

¹ Report on Population, Census of 1890, Part 1, pages xi, xii. ² Corrected population.

TABLE 5.-POPULATION OF STATES AND

[The first column under each census year shows the order of

1	STATES AND TERRITORIES.		1900		1890		1880		1870		1860
1	The United States	-	176, 303, 387		² 62, 622, 250		* 50, 155, 783		88, 558, 371		81, 443, 821
2	Alabama	18	1, 828, 697	17	1,513,017	17	1, 262, 505	16	996, 992	13	964, 201
8	Alaska	. 51	63, 592		(2)		(3)				
4	Arizona	49	122, 931	48	59,620	44	40, 440	46	9,658		
5	Arkansas	25	1, 311, 564	24	1, 128, 179	25	802, 525	26	484, 471	25	435, 450
6	California	21	1, 485, 053	22	1,208,130	24	864,694	24	560, 247	26	879, 994
7	Colorado	31	539,700	31	412, 198	35	194, 327	41.	\$9, 864	38	84, 277
8	Connecticut	29	908, 420	29	746,258	28	622, 700	25	537,454	24	460, 147
9	Delaware	46	184,735	42	168, 493	-88	146, 608	35	125,015	82	112, 216
0	District of Columbia	42	278,718	39	230, 392	36	177,624	34	131,700	35	75,080
1	Florida	- 32	528, 542	32	391, 422	34	269, 493	83	187,748	31	140, 424
2	Georgia	n l	2, 216, 381	12	1, 837, 353	13	1, 542, 180	12	1, 184, 109	11	1,057,286
8	Hawaii		154,001		(2)						
4	ldaho	47	161,772	45	84, 385	46	\$2,610	44	14,999		
5	Illinois	3	4, 821, 550	.3	8, 826, 351	4	3,077,871	4	2, 539, 891	4	1, 711, 951
6	Indiana	- 8	2,516,462	8	2, 192, 404	6	1, 978, 301	6	1,680,637	6	1,350,428
7	Indian Territory	. 39	892,060		(2)						
8	10 wu	10	2,231,853	10	1, 911, 896	10	1, 624, 615	11	1, 194, 020	20	674, 913
9	Kansas	_ 22	1, 470, 495	19	1, 427, 096	20	996, 096	29	864, 399	33	107,206
10 İ	Kentucky	+ 1	2, 147, 174	11	1,858,635	8	1,648,690	8	1, 321, 011	9	1, 155, 684
21.)	Louisiana	_ 23	1, 381, 625	25	1, 118, 587	22	. 939, 946	21	726, 915	17	708, 002
22	Maine	30	691,466	80	661,086	27	648, 936	23	626, 915	22	628,279
28	Maryland	-	1, 188, 044	27	1,042,390	23	934, 943	20	780, 894	19	687,049
24	Massachusetts	- 1	2, 805, 846	6	2, 238, 943	7	1,783,085	7	1,457,351	7	1,231,066
25	Michigan	1 1	2, 420, 982	9	2,093,889	9	1, 636, 937	13	1, 184, 059	16	749, 113
26	Minnesota		1, 751, 394	20	1, 301, 826	26	780, 773	28	439, 700	80	172, 023
27	Mississippi	20	1,551,270	21	1, 289, 600	18	1, 131, 597	18	827, 922	14	791, 305
28	Missouri	1 1	8, 106, 665	5	2, 679, 184	5	2, 168, 380	5	1,721,295	8	1, 182, 012
29	Montana		243, 329	44	132, 159	45	39,159	43	20, 595		
30	Nebraska	27	1,066,300	26	1,058,910	30	452,402	36	122, 993	39	28, 841
31.	Nevada	52	42, 335	49	45, 761	43	62,266	40	42, 491	41	6,857
32	New Hampshire	36	411,588	33	876, 530	31	346, 991	81	\$18, 300	27	326,073
33	New Jersey	1 1	1,853,669	18	1, 444, 933	19	1, 131, 116	17	906,096	21	672,035
34	New Mexico		195, 310	43	153, 593	41	119,565	37	91, 874	84	98, 516
35	New York	1 1	7, 268, 894	1	5, 997, 853	1	5,082,871	1	4, 382, 759	1	8, 880, 735
86	North Carolina	. 15	1, 893, 810	16	1, 617, 947	15	1, 899, 750	14	1,071,361	12	992, 622
37	North Dakota	41	319, 146	41	182,719]	1					
38	South Dakota		401,570	87	828, 808	40	⁶ 135, 177	45	° 14, 181	42	¢4,837
89	Ohio	4	4, 157, 545	4	3, 672, 816	3	8, 198, 062	8	2,665,260	8	2, 839, 511
40	Oklahoma	38	398, 331	46	61,834				.,,		
41	Oregon	. 35	413, 586	38	813, 767	87	174, 768	38	90, 928	36	52, 465
42	Pennsylvania	2	6, 302, 115	2	5, 258, 014	2	4,282,891	2	8,521,951	2	2,906,215
43	Rhode Island	1. 1	428,556	85	845,506	83	276, 531	82	217,353	29	174,620
44	South Carolina		1, 340, 316	23	1, 151, 149	21	995, 577	22	705,606	18	703,708
45	Tennessee		2,020,616	13	1,767,518	12	1,542,359	9	1, 258, 520	10	1,109,801
16	Texas	. 6	3,048,710	7	2,235,523	11	1, 591, 749	19	818, 579	28	604,215
47	Utah	43	276, 749	40	207, 905	89	148, 963	89	86, 786	37	40, 273
48	Vermont	40	843, 641	86	332, 422	32	332, 286	80	880, 551	28	815, 098
49	Virginia	1	1,854,184	15	1, 655, 980	14	1, 512, 565	10	1,225,163	5	1, 596, 318
50	Washington	- 33	518, 108	34	349, 390	42	75,116	42	23, 955	40	. 1,030,010
51	West Virginia	28	958,800	28	769 704	29	618, 457	27	442,014		
	Wisconsin	13	2,069,042	14	1,686,880	16	1, 315, 497	15	1,054,670	15	775, 881
52											

¹ Includes 91,219 persons in the military and mayal service of the United States (including civilian employees, etc.) stationed abroad, not credited to any state or territory. ² 32,052 persons in Alaska, 180,182 Indians and other persons in Indian Ter-ritory, and 145,282 Indians and other persons on Indian reservations, etc.,

were specially enumerated under the law but were not included in the general report on population in 1890; Hawaii had a population in 1890 of 89,990, accord-ing to the census taken as of December 28, 1890, under the direction of the Hawaiian Government; including these persons, the total population was 63,069,756,

TERRITORIES AT EACH CENSUS: 1790 TO 1900.

the states and territories when arranged according to population.]

1850		1840			1830		1820 1810				1800	1790		
1	23, 191, 876		4 17,069,453		5 12,866,020		9, 638, 453		7,239,881		5, 308, 483		8,929,214	
12	771,623	12	590, 756	15	309, 527	19	127,901							
											-			
26	209, 897 92, 597	25	97, 574	28	80, 388	26	14,278							
21	870, 792	20	309, 978	16	297,675	14	275, 248	9	261, 942	8	251,002	8	237, 946	
30 38	91,532 51,687	26 28	78, 085 43, 712	24 25	76, 748 89, 834	22 25	72, 749 33, 039	19 22	72, 674 24, 023	17 19	64,273 14,093	16	59, 096	
56 81	87,445	28	43, 712 54, 477	20	39, 834 84, 730		33,039		24,025	19				
9	906, 185	: 9	691, 392	10	516,823	11	340, 989	11	252, 433	12	162, 686	13	82, 548	
11	851,470		470,183	20	157,445	24	55,211	24	12,282					
7	988,416	10	685, 866	13	343,031	18	147,178	21	24, 520	21	5,641			
27	192, 214		43,112											
		-												
8 18	982,405 517,762	6 19	779,828 352,411	6 19	687,917 215,739	6 17	564, 317 153, 407	7 18	406, 511 76, 556	9	220, 955	14	73, 677	
											151 840		00 540	
16 17	583, 169 583, 034	18	501, 793	12	899, 455	12	298, 335 407, 350	14	228,705	14	151,719 341,548	11	96, 540 819, 728	
6	583, 034 994, 514	15	470, 019 787, 699	11 8	447,040 610,408	10	407,880	8	880, 546 472, 040	7 5	422, 845	6	878, 787	
20	897,654	8 23	212, 267	0 27	31,639	7 27	8,896	5 25	4,762	0	422,010	4	010,101	
36	6,077													
15	606, 526	17	375, 651	22	136,621	21	75,448	20	40,352	20	8,850	l		
13	682,044	16	383, 702	21	140, 455	23		23	20, 845					
		~										~		
22	317, 976	22	284, 574	18	269, 828	15	244, 161	16	214,460	11	183, 858	10	141, 885	
19	489, 555	18	873, 306	14	320, 823	18	277, 575	12	245, 562	10	211, 149	9	184, 189	
32 1	61, 547 8, 097, 394		2, 428, 921	1	1, 918, 608	1	1, 372, 812	2	959, 049	. 3	589,051	5	340, 120	
10	869,039	1 7	753, 419	5	737, 987	4	638,829	4	555,500	4	478,103	8	398,751	
8	1, 980, 329	3	1, 519, 467	4	937, 908	5	581,484	13	230, 760	18	45, 365			
84	13,294													
2	2, 311, 786	2	1, 724, 033	2	1, 848, 283	3	1,049,458	8	810,091	2	602, 865	2	484, 878	
28	147,545	24	108,880	23	97, 199	20	83,059	17	76, 931	16	69,122	15	68, 825	
14	668, 507	11	594, 398	9	581,185	8	502,741	6	415, 115	6	845, 591	7	249, 079	
5	1,002,717	б	829, 210	7	681,904	9	422, 823	10	261,727	15	105, 602	17	85, 691	
25 35	212, 592 11, 880							-						
-	-					1								
28 · · · 4	814, 120 1, 421, 661	21 4	291, 948 1, 239, 797	17	280,652 1,211,405	16	235,981 1,065,866	15	217, 895 974, 600	18	154,465 880,200	12 1	85, 425 747, 610	
24	805, 891	80	90.045	.				•						
44	505, 591	50	80, 945			•[]•		-						

⁸ 33,426 persons in Alaska were specially enumerated under the law but were not included in the general report on population in 1880.
 ⁴ Includes 6,100 persons on public ships in the service of the United States, not credited to any state or territory.

⁵ Includes 5,318 persons on public ships in the service of the United States, not credited to any state or territory. ⁶ Dakota territory.

TABLE 6 .- INCREASE IN POPULATION OF STATES

		1890 to 19	00	1880 to 18	90	1870 to 18	80	1860 to 18	70
	STATES AND TERRITORIES.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent
1	The United States	112,937,008	20.7	12, 466, 467	24.9	11, 597, 412	80.1	7, 115, 050	22.6
2	Alabama	315, 680	20. 9	250, 512	19.8	265, 513	26,6	32, 791	8,4
3	Alaska	389,980	67.0	19,180	47.4	80,782	318.7	9,658	
5	Arkansas	183, 385	16.3	825,654	40.6	318,054	65,6	49,021	11.3
6	California	8274, 049	22.7	343, 436	39.7	804,447	54.3	180, 253	47.4
7	Colorado	⁸ 126, 357	30.7	217, 871	112.1	154,463	387.5	5,587	16.3
8	Connecticut	162, 162	21.7	123, 558	19,8	85,246	15,9	77, 307	16.8
9	Delaware	16, 242	9.6	21,885	14.9	21,593	17.8	12,799	11.4
10	District of Columbia	48, 326	21.0	52,768	29.7	45, 924	34.9	56,620	75.4
11	Fiorida	137, 120	35.0	121, 929	45.2	81, 745	43,5	47, 324	83,7
12	Georgia	378, 978	20.6	295,178	19.1	358,071	30.2	126, 823	12.0
13	Hawaii						1177 4	1/ 000	
[4	Idaho	\$74,762	88.6	51,775	158.8	17,611	$\frac{117.4}{21,2}$	14,999	
15	Illinois	995, 199 324, 058	26.0 14.8	748, 480. 214, 103	24.8 10.8	537,980 297,664	17.7	827, 940 330, 209	48.4 24.5
16		324,008	14.0	214, 105	10.0	297,004	11.1	330, 209	24.0
17									
18	Iowa	⁸ 819, 572	16.7	287,281	17.7	480,595	36,1	519,107	76.9
19	Kansas	\$41,878	2.9	481,000	43, 3	631,697 827,679	178.4 24.8	257, 193 165, 327	289.9
20 21	Kentucky	288, 539 263, 038	15.5 23.5	209, 945 178, 641	12.7 19.0	213,031	24.8 29.8	18,913	14.3 2.7
41	Louisiana	200,000	20.0	1/0, 041	19,0	210,001	45.0	10, 510	2.1
22	Maine	33, 380	5.0	12, 150	1.9	22,021	3,5	⁵ 1,364	50.2
28	Maryland	145, 654	14.0	107, 447	11.5	154,049	19.7	93, 845	13.7
24	Massachusetts	566, 403	25.3	455, 858	25.6	825, 784	22.4	226, 285	18.4
25	Michigan	827, 098	15.6	456, 952	27.9	452, 878	38.2	434, 946	58.1
26	Minnesota	* 440,160	33.8	521, 053	66.7	341,067	77.6	267, 688	155.6
27	Mississippi	261, 670	20.3	158,003	14.0	803, 675	36.7	36, 617	4.6
28	Missouri	427, 481	16.0	510, 804	23.6	447,085	26.0	539, 283	45.6
29	Montana	⁸ 99, 400	75.2	93, 000	237.5	18,564	90.1	20, 595	
80	Nebraska	7, 390	0.7	606, 508	184.1	829,409	267.8	94, 152	- 326, 5
81	Nevada	45,099	411.1	⁶ 16, 505	⁵ 26. 5	19,775	46.5	85, 634	ŏ19.7
82	New Hampshire	85,058	9.3	29, 539	8.5	28,691	9.0	67,773	. 52.4
83	New Jersey	438, 736	80.4	818, 817	27,7	225,020	24.8	234,061	34.8
84	New Mexico	\$29,727	19.4	34, 028	28.5	27, 691	30.1	⁶ 1,642	\$1.8
85	New York	³ 1, 265, 257	21.1	914, 982	18.0	700,112	16.0	502, 024	12,9
86	North Carolina	275, 863	17.1	218, 197	15.6	328, 389	80.7	78,789	7.9
37	North Dakota	⁸ 129, 520	70.9]	\$ 876, 350	6 278.4	7 120, 996	1 853.2	7 9, 344	7 193.2
<u>88</u>	South Dakota	⁸ 55,079	16.8	-	1	1			
39 40	Ohio	485, 229	13.2	474, 254	14.8	532, 802	20.0	825, 749	18.9
40 41	Oklahoma Oregon	⁸ 820, 407 ⁸ 95, 518	518.2 80.4	61, 834 138, 999	79.5	88,845	92,2	88, 458	78.8
42	Pennsylvania	81,044,020	19.9	975, 123	22.8	760, 940	21.6	615,736	21.2
43	Rhode Island	83,050	24.0	68,975	24.9	59,178	27.2 41.1	42,733	24.5
44 45	South Carolina Tennessee	189, 167 253, 098	16.4 14.3	155, 572 225, 159	15.6 14.6	289, 971 283, 839	41.1	1, 898	13,4
46	Texas	203, 098 813, 187	36,4	648,774	40.4	778,170	94.5	214, 364	85.5
47	Utah	⁸ 67,047	30, 4 32, 2	68,942	44,4	57,177	65.9	46, 518	115.5
49	Vermont	11 010	0.4	186	(8)	1,785	0.5	15, 453	4,9
48 49	Virginia	11, 219 198, 204	8.4 12.0	148,415	(°) 9.5	287,402	23.5	9 371, 155	
49 50	Washington	\$162,194	46.4	274,274	365.1	51,161	23.0	12,861	1
50 51	West Virginia	196,006	40.4	144, 887	28.8	176,448	39.9	442,014	
52	Wisgonsin	⁸ 876, 036	4	871, 383	28,2	260, 827	24.7	278, 789	+
58	Wyoming	#29, 865		39, 916		11,671	128.0	9, 118	1

¹ Inclusive in 1900 of 91,219 persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad, not credited to any state or territory, but exclusive of 63,652 persons in Alaska, 154,001 persons in Hawaii, 392,060 persons in Indian Territory, and 134,476 persons on Indian reservations, credited to states and territories as follows; Arizona, 23,881; California, 2,874; Colorado, 1,145; Idaho, 2,625; Iowa, 885; Kansas, 2,026; Minnesota, 9,408; Montana, 11,770; Nevada, 1,673; New Mexico, 11,990;

New York, 5,784; North Dakota, 6,907; Oklahoma, 16,090; Oregon, 4,251; Penn-sylvania, 81; South Dakota, 17,683; Utah, 1,797; Washington, 6,519; Wisconsin, 6,126; and Wyoning, 1,961. ² The population of the United States in 1830 included 5,818 persons, and, similarly, the population of the United States, in 1840 included 6,100 persons, on public ships in the service of the United States, not credited to any state or territory.

AND TERRITORIES AT EACH CENSUS: 1790 TO 1900.

	50 to 1860 1840 to 1		1840 to 1850 1830 to 1840				1830	1810 to 1	1800 to 1	.810	1790 to 1800		
Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per ceut.
8,251,445	35.6	² 6, 122, 423	35.9	² 4, 203, 433	32.7	² 3, 227, 567	83.5	2, 898, 572	33.1	1,931,398	36.4	1, 379, 269	35.1
192, 578	25.0	180, 867	80.6	281, 229	90.9	181, 626	142.0	127,901					
225, 553	107.5	112, 828	115.1	67,186	221.1	16, 115	112, 9	14,273					
287, 397	810.4	92, 597											
84,277													
89, 355 20, 684	$24.1 \\ 22.6$	60,814	19.6	12,303	4.1	22,427	8.1	13,306	5.1	10,940	4.4	13,056	5,5
20, 084 23, 393	45.3	13, 447 7, 975	17.2 18.2	1,337 3,878	1.7 9.7	8,999 6,795	5.5 20.6	75 9,016	0.1 37.5	8, 401 9, 930	13, 1 70, 5	5,177	8.8
52,979	60.6	82,968	60.5	19,747	56,9	34,730	20.0	9,010	07.0	3, 500	10.0	14,093	
151, 101	16.7	214, 798	81.1	174, 569	33.8	175, 834	51.6	88, 556	85.1	89,747	55.2	80, 138	97.1

860, 481	101.1	875,287	78.8	818,738	202,4	102,234	185.2	42,929	349.5	12,282			
362,012	86.6	302, 550	44.1	342,835	99.9	195, 853	133,1	122, 658	500.2	18,879	834, 7	5,641	
482, 699	251, 1	149, 102	345.8	43, 112						****			
107, 206 173, 279	17,6	202, 577	26.0	91, 911	13.4	123,600	21.9	157,806	38.8	185,556	84.0	147,278	199, 9
190, 240	36.7	165, 351	146.9	186,672	63.4	62, 332	40.6	76,851	100.4	76,556		147,270	199.9
45, 110	7.7	81, 376	16.2	102, 338	25,6	101,120	33.9	69, 630	30.4	76,986	50.7	55, 179	57.2
104,015	17.8	113,015	24.0	22, 979	5,1	39, 690	9.7	26, 804	7.0	38,998	11.4	21, 820	6.8
286,552	23.8	256,815	34.8	127,291	20.9	87,121	16.6	51,247	10.9	49, 195	11.6	44,058	11.6
851, 459 165, 946	88, 4 2, 730, 7	185, 387 6, 077	87.3	180,628	570, 9	22, 743	255,7	4, 134	86.8	4,762			
184, 779	30.5	230, 875	61.5	239, 030	175.0	61,173	81.1	85,096	87.0	81,502	856.0	8,850	
499, 968	73. 3	298, 342	77.8	243, 247	173.2	73,869	110.9	45,741	219.4	20,845			
28, 841													
6,857													
8,097	2,5	33, 402	11.4	75 040	5 7	05 107	10.0	00 701	10.0	00,000	10.0	41 070	00.0
182,480	2, 5 87, 3	116,249	11.7 31.1	15, 246 52, 483	5.7 16.4	25, 167 48, 248	10.3 15.6	29, 701 32, 013	18.8 13.0	30, 602 34, 413	16.6 16.3	41, 973 27, 010	29.6 14.7
81,969	51.9	61, 547								01,110	10,0		
783, 341	25.3	668, 478	27.5	510, 313	26,6	545, 796	39.8	413, 763	48.1	369, 998	62.8	248,931	73.2
123, 583	14.2	115, 620	15.3	15, 432	2.1	99, 158	15.5	83, 329	15.0	77, 397	16.2	84, 352	21, 4
7 4, 837													
859, 182	18.1	460, 862	30, 8	581, 564	62,0	356, 469	61, 3	850, 674	152.0	185, 895	408.7	45, 865	
89, 171	294.7	18, 294								*****			
594, 429	25.7	587,753	84.1	875, 800	27.9	298,775	28.5	289, 867	29.5	207, 726	34.5	167, 992	88.7
27,075	18.4	88, 715	85.6	11, 631	. 12, 0	14,140	17.0	6,128	8.0	7,809	11.3	297	0,4
35,201	5.3	74,109	12.5	13, 213	2.3	78,444	15.6	87,626	21.1	69, 524	20.1	96, 518	38.8
107,084	10.7	173,507	20.9	147, 306	21,6	259, 081	61,3	161,096	61.6	156, 125	147.8	69, 911	195, 9
391, 623 28, 893	184.2 253,9	212,592 11,380				********							
978	0.8	22,172	7.6	11,296	4.0	44,671	18.9	18, 086	8.3	63,480	41.1	69,040	80.8
174,657 11,594	12.3	181, 864	14.7 	28, 392	2.3	146,039	13.7	90, 766	9.8 	94,400	10.7	182,590	17.7
470, 490	154.1	274, 446	886.9	80, 945									

per cent, and South Dakota (98,268 in 1880) increased 230,540, or 234.6 per cent.
⁷ Dakota territory.
⁸ Less than one-tenth of 1 per cent.
⁹ Decrease; due to loss of territory, West Virginia having been set off from Virginia December 31, 1862.

Exclusive of persons on Indian reservations.
 Decrease; exclusive of persons on Indian reservations.
 Decrease.
 North and South Dakota combined. Apportioning the population of Dakota territory in 1880, North Dakota (36,909 in 1880) increased 145,810, or 395.1

In order that the aggregate population returned at the census of 1900 may be compared with the population of equivalent areas in 1890, as stated. on page 2, it is necessary to add 447,506 persons, specially enumerated, to the population of the states and organized territories in 1890, giving a total population of 63,069,756, distributed by states and territories, arranged geographically, as follows:

TABLE 7POPULA	TION OF	STATES A	AND	TERRITORIES,
ARRANGED G	EOGRAPE	HCALLY:	1890	AND 1900.

	<u> </u>	1890	
ES AND TERRITORIES, 1900	Total.	Included in general enu- meration,	Spec- ially enu- mer- ated.
e United States 176, 303, 38	63,069,756	62, 622, 250	447, 506
tlantic division 21,046,69	17,406,969	17,401,545	5,424
10 694, 46 Hampshire 411, 58 nont 343, 61 achusetts 2, 805, 34 de Island 428, 55 necticut 908, 42 York 7, 288, 89 Jersey 1, 883, 66 isylvania 6, 302, 11	$\begin{array}{c} 2,238,947\\ 345,506\\ 746,258\\ 6,003,174\\ 1,444,933\\ 5,258,113\\ \end{array}$	661,086 376,530 382,422 2,238,943 345,506 746,258 5,997,853 1,444,953 5,258,014	
tlantic division 10, 443, 480		8,857,920	2
ware 184,73 yland 1,188,04 zict of Columbia 278,711 inia 958,800 th Carolina 1,803,811 h Carolina 1,803,811 gia 2,216,333 ida 528,542	$\begin{array}{c} 230,392 \\ 1,655,980 \\ 762,794 \\ 1,617,949 \\ 1,151,149 \end{array}$	$\begin{array}{c} 168,493\\ 1,042,800\\ 280,892\\ 1,655,980\\ 762,794\\ 1,617,947\\ 1,151,149\\ 1,837,853\\ 391,422 \end{array}$	2
entral division 26, 393, 00	22, 410, 417	22, 362, 279	48, 138
2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} \textbf{3}, 672, 816\\ \textbf{2}, 192, 404\\ \textbf{3}, 826, 351\\ \textbf{2}, 093, 889\\ \textbf{1}, 686, 880\\ \textbf{1}, 901, 826\\ \textbf{1}, 911, 896\\ \textbf{2}, 679, 184\\ \textbf{1}82, 719\\ \textbf{3}28, 808\\ \textbf{1}, 058, 910\\ \textbf{1}, 427, 096 \end{array}$	13 1 6,450 8,457 401 1 8,264 19,792 3,746 1,012
entral division 14,080,04	11, 170, 137	10, 972, 893	197, 244
tucky 2, 147, 17 nessee 2, 026, 61 anna 1, 825, 69 Issippi 1, 551, 27 Issippi 1, 381, 62 Iss 3, 048, 71 homa 986, 33 nusses 1, 311, 56 ans Territory 982, 39	1, 113, 035 2, 235, 527 .78, 475 1, 128, 211	1,858,635 1,767,518 1,513,017 1,289,600 1,118,587 2,235,528 61,534 1,128,179	384 1 16, 641 32 180, 182
division 4,091,34	3, 102, 269	3, 027, 613	74, 656
tane 243, 32 ming 92, 53 rado 539, 70 Mexico 193, 81 192, 93 276, 74 na 276, 74 na 276, 74 no 101, 77 bington 518, 10 10 113, 53 formin 1, 485, 05 formin 63, 59	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	132, 15960, 705412, 198153, 569359, 620207, 90545, 76184, 385349, 390813, 7671, 208, 130	$\begin{array}{c} 10,765\\ 1,850\\ 1,051\\ 6,689\\ 28,628\\ 2,874\\ 1,554\\ 4,163\\ 7,842\\ 8,937\\ 5,268\\ 32,052\\ 89,990 \end{array}$
b30, 70 b30, 70 Moxico 195, 81 b12, 98 122, 98 b1 276, 74 b1 161, 77 b1 161, 77 b1 161, 77 b1 178, 10 b1 178, 10 b1 178, 10 b1 143, 53 b1 485, 05	0.01282808 12	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

¹ Includes 91,219 persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad, not credited to any state or territory.

The increase in the population of the several states and territories since 1890, based upon the figures given in table 7, is shown in the first two columns of table 8, in comparison with the increase as shown in table 6, reproduced in the last two columns of table 8.

TABLE 8.—INCREASE IN POPULATION OF STATES AND TERRITORIES, ARRANGED GEOGRAPHICALLY: 1890 TO 1900.

			_	
	Increase, i ing in 1890	nclud-	Increase, e ing in 1890	xclud-
	ing in 1890) popu-	ing in 1890	popu-
	lation spe	erany	Lation spe	cially
	enumer	ated.	enumera	tea.
STATES AND TERRITORIES.				
	Number.	Per	Number.	Per
		cent.		cent.
	10 000 007	01.0	10 007 000	00.7
The United States	13, 233, 631	21.0	12,937,008	20.7
North Atlantic division	8,639,726	20.9	3,639,285	20.9
Maine	33, 380	5.0	33, 380	5,0
New Hampshire	35,058	9,8	$ \begin{array}{r} 35,058 \\ 11,219 \\ 566,408 \\ 83,050 \\ 169 169 \end{array} $	9.3
Vermont	$_{11,219}$	8,4	11,219	8.4
Massachusetts Rhode Island	$ \begin{array}{r} 560,000 \\ 11,219 \\ 566,399 \\ 83,050 \\ 100 \\ 100 \\ \end{array} $	25.3	566,403	25.3
Rhode Island	83,050	24.0	83,000	24.0
Connecticut		. 21.7	102,102	21.7
New York	1,200,720	$21.1 \\ 30.4$	1,200,207	21.1
New Jersey Pennsylvania	1,265,720 438,736 1,044,002	19.9	$162, 162 \\1, 265, 257 \\438, 736 \\1, 044, 020$	30.4
T GHRSATABOLU	1,044,002	10.0	1,014,020	19, 9
South Atlantic division	1,585,558	17.9	1,585,560	17.9
Source approved on publication second second	1,000,000			±1, 0
Delaware	16 949	9.6	$\begin{array}{c} 16,242\\ 145,654\\ 48,826\\ 198,204\\ 196,006\\ 275,868\\ 189,167\\ 378,978\\ 137,120\\ \end{array}$	9.6
Maryland	$\begin{array}{r} 16,242 \\ 145,654 \\ 48,326 \end{array}$	14.0	145 654	14.0
Maryland District of Columbia	48, 396	21.0	48, 326	21.0
Viioiiiio	198, 204	12.0	198, 204	12.0
West Virginia North Carolina South Carolina	196 006	25.7	196,006	25.7
North Carolina	275, 861	17.1	275, 863	17.1
South Carolina	189, 167	16.4	189, 167	16.4
Georgia	378,978	20.6	378, 978	20.6
Florida	275, 861 189, 167 378, 978 187, 120	35.0	137, 120	85, 0
North Central division	3,922,587	17.5	3, 928, 190	17,6
Ohio	485,216	13,2	485, 229	13.2
Indiana	394 058	14.8	894 058	14.8
Illinois	995 198	26.0	995 199	26.0
Inflana. Illinois. Michigan. Wisconsin.	995, 198 927, 092 875, 712 441, 111	15.6	995, 199 327, 093 376, 036	15,6
Wisconsin	875, 712	22.2	876,036	22.3
Minnesota	441, 111	33.7	440, 160	33, 8
Iowa		16.7	B 319.572	16,7
Missouri	427,480	16.0	427, 481	16.0
Missouri North Dakota	128, 163	67.1	$\begin{array}{r} 427,481\\ 129,520\end{array}$	70.9
South Dakota	427,480 128,163 52,970	15.2	55,079	16.8
Nebraska	8,644	0.3	7,390	0.7
Kansas	8, 644 42, 887	8.0	55,079 7,390 41,878	2, 9
South Central division	2,909,910	26.1	2,699,004	24,6
bount ochical division	2, 505, 510		2,055,004	
Kentucky	288,539	15.5	288, 539	15.5
Tennessee Alabama Missisippi	253, 098 815, 296 261, 670 263, 037	14.3	253 098	14.3
Alabama	815, 296	20.8	315, 680	20.9
Mississippi	261,670	20.3	$\begin{array}{c} 315,680\\ 261,670\\ 263,038\\ \end{array}$	20.3
LOUISIANA	263,037	23.5	263,038	23.5
Texas	N N N N N N N N N N N N N N N N N N N	36.4	813, 187	36.4
Oklahoma	319,856	407.6	320,407	518.2
Arkansas	319,856 183,853 211,878	16.3	813, 187 920, 407 183, 885	16.8
Indian Territory	211,878	117.6		
Western division	989, 080	31.9	998, 750	32.8
· · ·				
Montana	100,405 29,976 126,451	70.3	99, 400	75.2
Wyoming	29,976	47.9	29,865	49.2
Colorado New Mexico Arizona Utah	126,451	80.6	126, 357	80.7
New Mexico	1 95 109	21.9	29,727	19.4
ATIZOHR	86, 028 84, 688 65, 970 2 5, 020 73, 224 160 871	39.3	39,930	67.0
Narado	00,970	81.8	67,047	32.2
Nevada	* D , 020	2 10.6	² 0,099	2 11.1
Washington	10,224	82.7	74,762	88.6
Oregon	100,871	45.0 30.2	102, 194	46.4
Idaho Washington Oregon California	160, 871 95, 832 271, 655	$ \begin{array}{c} 30.2 \\ 22.4 \end{array} $	99, 400 29, 865 126, 867 29, 727 39, 930 67, 047 2 5, 099 74, 762 162, 194 95, 518 274, 049	$ \begin{array}{c} 80.4 \\ 22.7 \end{array} $
	211,000		212,020	<i>uu</i> , 1
Alaska	31,540	98.4		
Hawaii	31, 540 64, 011	71.1		
			1	<u> </u>

¹ See table 6.

² Decrease.

As shown by table 8 (columns 1 and 2), there has been an increase of 21 per cent in the population of the entire area of enumeration in 1900 as compared with the population of the same area in 1890, representing a total numerical increase of 13,233,631. Excluding the population of Alaska, Hawaii, Indian Territory, and Indian reservations in 1890 and 1900, there has been an increase in the population of the states and organized territories during the decade, as shown by table 8 (columns 3 and 4), of 12,937,008, or 20.7 per cent, as compared with an increase of 12,466,467, or 24.9 per cent, for the equivalent area from 1880 to 1890.

Among the several states and territories, Oklahoma shows the largest percentage of increase since 1890. The territory of Oklahoma was opened to settlement in May, 1890, and at the census taken one month later, in June, 1890, had a population of 78,475, including 16,641 Indians and other persons specially enumerated but not included in the general report on population at that census. At the census of 1900 it had a population of 398,331, or an increase since 1890 of 407.6 per cent; in other words, its population in 1900 is more than five times as large as the entire population returned in 1890.

The second largest percentage of increase in population since 1890 is found in Indian Territory, being somewhat more than 100 per cent. The population of Indian Territory was specially enumerated in 1890, but no part of the population thus enumerated was included in the general report on population. There were 180,182 Indians and other persons enumerated in Indian Territory in 1890, but this number has been increased to 392,060 in 1900, showing an increase of 211,878, or 117.6 per cent, during the ten years.

The population of Idaho has increased 82.7 per cent since 1890, while the population of Montana has increased 70.3 per cent, and that of North Dakota 67.1 per cent. The 5 states and territories named are the only ones in which the population has increased more than 50 per cent during the ten years from 1890 to 1900, but Wyoming has increased its population during the same period by 47.9 per cent and Washington its population by 45 per cent.

Nevada is the only state which shows an actual decrease in its population since 1890, but for this state there was a much larger decrease reported for the preceding decade, or 26.5 per cent from 1880 to 1890 as against 10.6 per cent from 1890 to 1900. The smallest percentage of increase during the ten years is that shown by Nebraska, being less than one-half of 1 per cent, while for the same period there has been an increase of only 3 per cent in the population of Kansas, 3.4 per cent in that of Vermont, and 5 per cent in that of Maine.

There has been a gain during the decade of not quite 10 per cent in the population, respectively, of Delaware and New Hampshire, and of between 10 and 40 per cent in the population of each of the remaining states and territories, the largest percentage among this class being that for Arizona, or 39.3 per cent, and the smallest percentage that for Virginia, or 12 per cent.

The gross area (land and water surface) of the United States, exclusive of Alaska and Hawaii, is 3,025,600 square miles. The United States at the first census, in 1790, comprised only the territory between the Atlantic ocean and the Mississippi river, representing a gross area of 827,844 square miles. There was no change in the gross area of the country at the census of 1800, but in 1803 there were added by the Louisiana purchase more than a million square miles, making the gross area of the country at the census of 1810, 1,909,775 square miles. In 1819

our territory was increased by the purchase of the Floridas from Spain to 2,059,043 square miles, which represented the gross area of the country at the censuses of 1820, 1830, and 1840. Between 1840 and 1850, there was a large acquisition of territory from Mexico, so that at the census of 1850 the gross area of the United States comprised 2,980,959 square miles. By the Gadsden purchase in 1853 our territory was further increased to 3,025,600 square miles, which constitutes the present area of the country, exclusive of the areas of Alaska and Hawaii. The territory of Alaska, comprising 590,884 square miles, was purchased from Russia in 1867, and the territory of Hawaii, comprising 6,449 square miles, was acquired by annexation in 1898. Including Alaska and Hawaii, the entire area of enumeration at the present census comprises 3,622,933 square miles.

The gross area (land and water surface) which the country, exclusive of Alaska and Hawaii, had at the date of each census, from 1790 to 1900, inclusive, is summarized in table 9.

TABLE 9.—GROSS AREA OF THE UNITED STATES, EX-CLUSIVE OF ALASKA AND HAWAII, AT EACH CEN-SUS: 1790 TO 1900.

CENSUS YEARS.	Gross area in square miles,	CENSUS YEARS.	Gross area in square miles.
1900	3,025,600	1840	$2,059,043 \\ 2,059,043 \\ 2,059,043 \\ 1,999,775 \\ 827,844 \\ 827,844$
1890	3,025,600	1830	
1880	3,025,600	1820	
1870	3,025,600	1810	
1860	3,025,600	1800	
1860	2,980,959	1790	

The area in square miles, including land and water surface, of the several states and territories at the census of 1900 is presented in table 10.

TABLE 10ARE	A OF THI	E UNITED	STATES :	IN SQUARE
MILES, BY	STATES A	AND TERR	ITORIES:	1900.

STATES AND TERRITORIES.	Gross area.	Water surface.	Land surface.		
Total	3, 622, 933	155, 562	12,970,038		
labama	52, 250	710	51,540		
laska	590, 884	100	112,920		
rizona	113,020	100	53,045		
rkansas	53,850	805	155, 980		
alifornia	158, 360	2, 380	108,645		
olorado	103, 925	280	4,845		
onnecticut	4, 990	145	1,960		
elaware	2,050	90	1,900		
istrict of Columbia	70	10	54,240		
lorida	58,680	4,440	58,980		
eorgia	59,475	495	55, 900		
awaii	6,449	510	84,290		
laho	84,800	510	56,000		
linois	56, 650	650	85,910		
ndiana	36, 350	440	31,000		
ndian Territory	31,400	400	51,000		
DWA	56, 025	550	55,475		
ansas	82,080	380	81,700		
entucky	40, 400	400	40,000		
ouisiana	48, 720	8, 300	45,420		
aine	33,040	3, 145	29, 895		
faryland	12,210	2,350	9,860		
fassachusetts	8,315	275	8,040		
fichigan	58,915	1,485	57,430		
finnesota	83,365	4,160	79,205		
fississippi	46,810	470	46, 840		
lissouri	69,415	680	68,735		
fontana	146,080	770	145, 310		
lebraska	77,510	670	76, 840		
levada	110,700	960	109,740		
lew Hampshire	í <u>9.305</u> i	300	9,005		
lew Jersey	7,815	290	7,525		
lew Mexico	122,580	120	122,460		
Vew York		1,550	47,620		
Jorth Carolina		8,670	48,580		
Jorth Dakota		600	70, 195		
hio		300 -	40,760		
)klahoma		200	38, 830		
)regon		1,470	94,560		
Pennsylvania	45,215	230	44, 985		

TABLE 10 .- AREA OF THE UNITED STATES IN SQUARE MILES, BY STATES AND TERRITORIES: 1900-Continued.

STATES AND TERRITORIES.	Gross area.	Water surface.	Land surface.
Rhode Ialand	42,050 265,780 84,970 9,565	1974008008,4902,7804302,3252,3001351,590315620100	1,053 30,170 76,850 41,750 82,190 9,135 40,125 66,880 24,455 54,455 97,675

The density of population of the United States, exclusive of Alaska and Hawaii, according to the census of 1900, is 25.6, that is, there are in the United States in 1900, on the average, 25.6 inhabitants to the square mile, using land surface only. At the census of 1790 there were less than 5 inhabitants to the square mile, so that the density of the population of the country has increased in 110 years more than fivefold, although the land area of the country in 1900, exclusive of Alaska and Hawaii, is more than three and one-half times what it was in 1790.

The density of population of the several states and territories at each census is shown in detail in table 11.

TABLE 11.-DENSITY OF POPULATION OF STATES AND TERRITORIES AT EACH CENSUS: 1790 TO 1900.

[The density of population is obtained by dividing the population of each state and territory and of the United States by its total land area in square miles at each census. In computing density of population for the United States, the areas and population of Alaska and Hawaii in 1900, of Alaska in 1890, and of Indian Territory in 1860, 1870, and 1880 are not considered. The area of Indian reservations, outside of Indian Territory is included in the area of the states and territories in which they are severally situated, and in that of the United States, prior to 1890, although the population of these Indian reservations was not ascertained, and, for this reason, can not be considered in figuring density of population at the censuses prior to 1890.]

ȘTATES AND TERRITORIES.	1900	1890	1880	1870	1860	1850	1840	1830	1820	1810	1800	1790
The United States	25.6	21,2	17.3	13.3	10.8	7.9	8.4	6.4	4.8	3.7	6.6	4.9
Alabama Alaska	35.5 0.1	29.4	24.5	19.3	18.7	15.0	11.5	6.0	2.5			
Arizona Arkansas California	$1.1 \\ 24.7 \\ 9.5$	$0.8 \\ 21.3 \\ 7.8$	0.4 15.1 5.5	0.1 9.1 3.6	8, 2 2, 4	4.0 0.6	1,8	0.6	0.3			
Colorado Connecticut Delaware District of Columbia Florida	5.2 187.5 94.3 4,645.3 9.7	4.0 154.0 86.0 3,839.9 7.2	$1.9 \\ 128.5 \\ 74.8 \\ 2,960.4 \\ 5.0$	0.4 110.9 63.8 2,195.0 3.5	0.3 95.0 57.3 1,251.8 2.6	76.546.7861.51.6	$ \begin{array}{r} 64.0 \\ 39.8 \\ 485.7 \\ 1.0 \end{array} $	61.4 89.2 442.6 0.6	56.8 37.1 367.1	54.1 37.1 266.9	51, 8 32, 8 156, 6	49.1 30.2
Georgia Hawaii	37.6 23.9	31.2	26.1	20.1	17.9	15.4	11.7	8.8	5.8	4.3	2.8	1.4
Idaho Illinois Indiana	1,9 86.1 70.1	$1.1 \\ 68.3 \\ 61.1$	0,4 55,0 55,1	0.2 45,4 46,8	80.6 37.6	15.2 27.5	8.5 19.1	2.8 9.6	1.0 4.1	0.1 0.7	(1)	
Indian Territory	$12.6 \\ 40.2$	5.8 34.5	29.3 12.2	21.5	12.2	3.5	0.2					
Kansas Kentucky Louisiana	18.0 53.7 80.4	$17.5 \\ 46.5 \\ 24.6$	$12.2 \\ 41.2 \\ 20.7$	4.5 33.0 16.0	$0.9 \\ 28.9 \\ 15.6$	$\begin{array}{c} 24.6\\11.4 \end{array}$	19,5 7.8	17.2 4.7	14.1 8.4	10, 2 1, 7	5.5	1.8
Maine Maryland Masscelusetts Michigan Minnesota	$\begin{array}{c} 23.2 \\ 120.5 \\ 348.9 \\ 42.2 \\ 22.1 \end{array}$	$22.1 \\ 105.7 \\ 278.5 \\ 86.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 16.5 \\ 10.5 $	21.7 94.8 221.8 28.5 9.9	21.0 79.2 181.3 20.6 5.6	$21.0 \\ 69.7 \\ 153.1 \\ 13.0 \\ 2.2$	19.5 59.1 123.7 6.9 (²)	16.8 47.7 91.8 3.7	13.4 45.3 75.9 0.2	10.0 41.3 65.1 0.1	7.7 38.6 58.7 0.1	5.1 34.6 52.6	8.2 82.2 47.1
Mississippi Missouri Montana Nebraska	33.5 45.2 1.7 13.9	27.8 89.0 1.0 13.8	24, 4 81, 5 0, 3 5, 9	17.9 25.0 0.1 1.6	17.1 17.2 	13.1 9.9	8.1 5.6	2.9 2.1	1.6 1.0	0.4 0.3	0.2	
Nevada	0.4	0.4	0.6	0.4	0.1							
New Hampshire New Jersey New Mexico	45.7 250.3 1.6	41.8 193.8 1.3	88.5 151.7 1.0	35.3 121.5 0.8	$36.2 \\ 90.1 \\ 0.4$	85, 8 65, 7 0, 8	81.6 50.1	29.9 43.0	$\begin{array}{r} 27.1\\ 37.2\end{array}$	23.8 32,9	20.4 28.3	15.8 24.7
New YorkNorth Carolina	152.6 39.0	126.1 33.3	106.7 28.8	92.0 22.1	81.5 20.4	65.0 17.9	$51.0 \\ 15.5$	40. 3 15. 2	$ 28.8 \\ 13.2 $	20.1 11.4	12.4 9,8	7.1 8.1
North Dakota Ohio Oklahoma	4,5 102.0 10.3	2.7 90.1 2.0	(⁸) 78.5	(⁸) 65.4	(⁸) 57.4	48,6	37.3	28.0	14.3	5.7	1.1	
Oregon Pennsylvania	4.4 140.1	8.4 116.9	1,8 95,2	1.0 78.9	0.6 64.6	(4) 51.4	88.8	30.0	23.3	18.0	13.4	9,7
Rhode Island South Carolina	44.4	318.4 38.2	254.9 33.0	200.3 23.4	160.9 23.3	$136.0 \\ 22.2$	100.3 19.7	89.6 19.8	76.6 16.7	70.9 13.8	$\begin{array}{c} 63.7 \\ 11.5 \end{array}$	63.4 8.3
South Dakota Tennessee Texas Utah	5.2 48.4 11.6 3.4	4,5 42,3 8,5 2,6	(⁸) 36,9 6,1 1,8	(⁸) 30.1 3.1 1.1	(⁸) 26.6 2.8 0.2	$24.0 \\ 0.8 \\ 0.1$	19.9	16. 8	10.1	6.8	2.5	0.9
Vermont Virginia Washington		86, 4 41, 3 5, 8	86.4 37.7 1.1 25.1	36.2 30.5 0.4	84,5 24,6 0,1	84.4 21.9	82.0 19.1	30. 7 18. 7	25.8 16.4	23.9 15.0	16.9 13.6	9.4 11.5
West Virginia Wisconsin Wyoming	38.9 38.0 0,9	81.0 81.1 0,6	25.1 24.2 0.2	17.9 19,4 0,1	14.2	5.6	0.5					
¹ 0.02,	<u> </u>	² 0,03.	<u> </u>	⁸ Dakota te	rritory, 1880	, 0.9; 1870,	0.1; 1860,	0.03.	<u> </u>	<u> </u> + 0.04.		

Excluding the District of Columbia, which is in effect a municipality, Rhode Island, with 407 inhabitants to the square mile in 1900, is the most densely settled state in the Union, while Massachusetts comes next, with not quite 349 inhabitants to the square mile. New Jersey, with a little more than 250 inhabitants to the square mile in 1900, is the third state in point of density of population, while Connecticut, with somewhat more than 187 inhabitants to the square mile, occupies fourth place. Four other states have more than 100 inhabitants to the square mile in 1900, namely, New York, with 152.6 inhabitants; Pennsylvania, with 140.1 inhabitants; Maryland, with 120.5 inhabitants; and Ohio, with 102 inhabitants to the square mile. Alaska has, on the average, but one-tenth of 1 person to the square mile in 1900, and, similarly, Nevada has only four-tenths of 1 person to the square mile. Wyoming has not quite 1 inhabitant to the square mile in 1900, while Arizona has an average to the square mile of 1.1 inhabitants; New Mexico of 1.6 inhabitants; Montana of 1.7 inhabitants; and Idaho of 1.9 inhabitants.

The newly acquired territory of Hawaii shows an average density of population in 1900 of not quite 24 persons, ranking in this respect between Maine, with 23.2 persons, and Arkansas, with 24.7 persons to the square mile.

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Director of the Census.