DEPARTMENT OF COMMERCE
herbert hoover, secretary
BUREAU OF THE CENSUS
W. M. Steuart, Director

# STATISTICAL ATLAS 

## OF THE

## UNITED STATES

Prepared under the supervision of CHARLES S. SLOANE

Geographer of the Census


WASHINGTON
GOVERNMENT PRINTING OFFICE

## LETTER OF TRANSMITTAL.

Department of Commerce,<br>Byread of the Census, Washington, D. C., June 7, 1924. Sir:

I transmit herewith the Statistical Atles of the United States. This volume contains the maps and diagrams used for illustrating the reports of the Fourteenth Census, as well as a number of illustrations which lave baen prepared and published in the special and annual reports of the Bureau of the Census.

The text and illustrations comprising this volume were prepared under the supervision of Charles S. Sloane, Geographer of the Census.

Respectfully,
W. M. Stevart,

Director of the Census.

Hon. Herbert Hoover,
Secretary of Commerce.
II

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## STATISTICAL ATLAS

## STATISTICAL ATLAS.

## AREA ENUMERATED AT THE FOURTEENTH CENSUS.

## AREA OF ENUMERATION.

The area of enumeration in 1920 embraced the United States proper and the outlying possessions of Alaska, Hawaii, Porto Rico, Guam, Samoa, and the Panama Canal Zone. No provision was made in the Fourteenth Census Act for the enumeration of the Philippine Islands, a census of those islands having been taken by the Philippine government as of December 31, 1918, nor of the Virgin Islands, for which a special enumeration was made as of November 1,1917 . The gross area of the territory under the jurisdiction of the United States in 1920 was 3,738 ,371 square miles, and its population $117,823,165$, as shown in Table 1. The population was as returned at the Fourteenth Census, taken as of January 1, 1920, for the United States proper and all of the outlying possessions except the Philippine Islands and the Virgin Islands, enumerations of their population being made at the dates specified above.

In Table 2 is given the gross area in square miles of the United States, including all its outlying possessions, at each enumeration from 1790 to 1920 , together with the population; the area-land, water, and total-and the population of the United States, excluding the outlying possessions; and the gross area of the outlying possessions.


${ }^{1}$ Does not include water surface of oceans, Gulf of Mexico, or Great Lakes, lying within jurisdiction of the Cnited States.

## STATISTICAL ATLAS.

Tajle 3 gives the gross area with the date of annexation of each accession of territory from 1790 to 1920, and per cent distribution of aggregate area and area of the United States.
Plate No. 1 shows the boundaries of the original 13 states and each of the accessions of territory.

| Table 3Accession. | Date quired. | gross area (land and WATER) IN SQUARE MILES. |  | PER CENT DISTRIBUTION |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Area of accession. | 'Total erea. | Aggregate area. | Area of the United States. |
| Aggregate, 1920-United States and outlying possessions. $\qquad$ |  |  | 3,738, 371 | 100.0 |  |
| United States |  |  | 3,026, 789 | 81.0 | 100.0 |
| Outlying possessions. |  |  | 711,582 | 18.0 |  |
| Territory in $1790{ }^{1}$ |  |  | 892, 135 | 23.8 | 29.5 |
| Louisiana Purchase | 1803 | 827,987 | 1,720, 122 | 22.1 | 27.4 |
| Florida. | 1819 | 58, 666 | 1,778, 788 | 1.6 | 1.9 |
| By treaty with Spain | 1819 | 13,435 | 1,792, 223 | 0. 4 | 0.4 |
| Texas.. | 1845 | 389, 166 | 2,181, 389 | 10.4 | 12.9 |
| Oregon. | 1846 | 286, 541 | 2,467, 930 | 7.7 | 9.5 |
| Mexican Cession | 1848 | 529, 189 | 2,997, 119 | 14.1 | 17.5 |
| Gadsden Purchase | 1853 | 29,670 | 3,026, 789 | 0.8 | 1.0 |
| Alaska | 1867 | 586, 400 | 3, 613, 189 | 15. 7 |  |
| Hawaii | 1898 | 6,406 | 3,619, 595 | 0.2 |  |
| Philippine Islands | 1899 | 114, 400 | 3, 733, 995 | 3. 1 |  |
| Porto Rico. | 1899 | 3, 435 | 3,737, 430 | 0.1 |  |
| Guam. | 1899 | 206 | 3,737, 636 | ${ }^{(2)}$ |  |
| Samoa. | 1900 | 75 | 3,737, 711 | ${ }^{2}$ |  |
| Panama Canal Zone --..-- | 1904 | 527 | 3, 738, 238 | ${ }^{(2)}$ | -....- |
| Virgin Islands of the United States | 1917 | 133 | 3,738,371 | $\left.{ }^{2}\right)$ |  |

${ }^{1}$ Includes drainage basin of the Red River of the North, not a part of any accession, but in the past sometimes considered a part of the Louisiana Purchase.
${ }^{2}$ Less than one-tenth of 1 per cent.
The increase in population from $3,929,214$ at the census of 1790 to $117,823,165$ at the census of 1920 was $113,893,951$, or about 29 persons in 1920 to each person returned at the First Census. During the same period the area was extended from 892,135 square miles to $3,738,371$ square miles. The area, therefore, increased only four times, as compared with a population increase of nearly twenty-nine fold. The gross area, land and water, of the territory under the jurisdiction of the United States at the Fourteenth Census was $3,738,371$ square miles. The outlying territories had an area of 711,582 square miles, constituting 19.0 per cent, or approximately one-fifth of the total area.

In 1790 , at the First Census, the area was 892,135 square miles, less than one-fourth of the present area, and, with the exception of the territory known as

Florida, was confined to the territory lying between the Atlantic Ocean and the Mississippi River, together with the drainage basin of the Red River of the North. The largest accession of territory at any decade was that of the Louisiana Purchase in 1803. During the decade from 1840 to 1850 there were three accessions of territory, aggregating $1,204,896$ square miles, which, with the area of the Louisiana Purchase, covered an area of over $2,000,000$ square miles. The annexations made in other years, with the exception of Alaska, were smaller in area, but more densely populated.

Table 4 shows at each census the population, accumulative increase, per cent of increase from 1790, land area, and number of persons per square mile for the United States, exclusive of its outlying possessions. The increase in population in 1840, after 50 years of growth was 334.4 per cent, having increased a little over four times. The increase for 100 years, to 1890 , was 1,502 per cent, or there were then in the United States 16 persons where in 1790 there was one person. The increase for 130 years, to 1920 , was $2,590.4$ per cent; in other words, there were 27 persons in continental United States to each person returned in 1790. The land area has increased almost three and onehalf times, while the population per square mile has increased nearly eight times, the increase in density from 1900 to 1910 being greater than during any other decade. The increase and decrease in density of population is represented by Diagram 1, Plate No. 139.

The land area of each of the states and of the entire United States is given in Table 5.

| Table 4 census year. | Population of continental United States. | Accumulative increase. | $\begin{gathered} \text { Per cent } \\ \text { of in- } \\ \text { crease } \\ \text { from } 1790 . \end{gathered}$ | Land area in square miles. | Population per square mile |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1920. | 105,710,620 | 101, 781, 406 | 2,590. 4 | 2,973,76 | 35. 5 |
| 1910 | 91, 972,266 | 88, 043, 052 | 2,240. 7 | 2, 973, 890 | 30.9 |
| 1900 | 75, 994, 575 | 72, 065, 361 | 1,834. 1 | 2, 974, 159 | 25.6 |
| 1890 | 62, 947,714 | 59, 018, 500 | 1,502. 0 | 2,973, 96.5 | 21.2 |
| 1880 | 50, 155, 783 | 46, 226. 569 | 1, 176.5 | 2,973,965 | 16.9 |
| 1870. | 38, 558,371 | 34, 629, 157 | 881.3 | 2,973, 965 | 13.0 |
| 1860 | 31, 443, 321 | 27, 514, 107 | 700.2 | 2,973,965 | 10.6 |
| 1850 | 23, 191, 876 | 19, 262, 662 | 490.2 | 2,944, 337 | 7.9 |
| 1840 | 17, 069, 453 | 13, 140, 239 | 334.4 | 1,753, 588 | 9.7 |
| 1830 | 12, 866, 020 | 8, 936, 806 | 227.4 | 1, 753, 588 | 7.3 |
| 1820 | 9,638, 453 | 5, 709, 239 | 145.3 | 1,753, 588 | 5.5 |
| 1810. | 7, 239, 881 | 3, 310, 667 | 84.3 | 1, 685. 865 | 4.3 |
| 1800. | 5, 308, 483 | 1,379, 269 | 35.1 | 867,980 | 6.1 |
| 1790 | 3, 929, 214 |  |  | 867, 980 | 4. 5 |

Table $\overline{0}-$ LLAND AREA OF THE UNITED STATES IN SQUARE MILES, BY STATES AND TERRITORIES: 1790-1920.

${ }^{1}$ Net reduction of 114 square miles due to building of Pathfinder and Shoshone Reservoirs ( 46 square miles of wator surface) in Wyoming, and several reservoirs in connection with irrigation projects, ( 70 square miles of water surface) in Montana, and reclamation of 2 square miles of Potomac River Aats in District of Columbia. and Indiana (201 square miles of luad) building of Roosevelt and Lagupa Reservoirs in Arizong ( 30 square miles of water surface) and overflow of Colorado River into Balton Sea in Californta ( 440 square miles of water surface).
${ }^{1}$ Increase of 194 square miles due to reclamation of 2 square miles of Potomac River flats in District of Columbia and 192 square miles of Lake Tulare in California. Iacludes Gadsden Purchase ( 20,628 square miles) in 1833.
${ }^{5}$ Includes Texas annexation ( 3855,590 square miles) in 1845; Oregon territory ( 282,257 square miles) in 1846; and Mexican Cession ( 522,902 square miles) in 1848. - Includes Florida Purchase ( 54,861 square miles) and territory gained by treaty ith Spain ( 12, wi2 sifuare miles) in 1810
Includes Louisiana Purchase ( 817,885 square miles) of 1803 .

- Decrease of 25 square miles due to building of Roosevelt Reservoir and 5 square miles due to building of Laguna Reservoir.
${ }^{10}$ Decrease of 440 square miles due to overflow of Colorado River into Salton Sea. 11 Increase of 192 square miles due to reclamation of part of Lake Tulare, California.
${ }^{13}$ Increase of 2 square miles due to reclamation of Potomac River flats.
14 Increase of 41 square miles due to drainage of lakes and swamps.
${ }^{16}$ Increase of 160 square miles due to drainage of lakes and swamps
${ }^{16}$ Then part of Virginia; area given is that in 1792, when it was adinitted as a
state. Then named Orleans territory; includes 4,611 square miles of disputed territory attached to state of Louisiana in 1812, and excludes 11,344 square miles gained by treaty with Spain in 1819.

18 Then under the jurisdiction of Massachusetts; admitted as a state in 1820.
${ }^{19}$ Includes 5,880 square miles of disputed territory attached to Mississippi Territory in 1812.
${ }_{20}$ Decrease of 70 square miles due to building of several reservoirs in connection with irrigation projects.
${ }_{22}$ Then part of Dakota Territory. 1802, when it wias admitted as a state.
${ }^{21}$ Includes $31+$ square niles ceded to the TVited States by the state of New York in 1781 and sold to the state of Pennsylvania in 1792.
${ }^{26}$ Then known as "territory southwest of the Ohio River"; includes 5,290 square
miles of territory ceded to the United States by the state of South Carolina in 1787 . miles of territory ceded to the United States by the state of South Carolina in 1787. ${ }^{23}$ Decrease of 46 square miles due to building of Pathfinder and Shoshone Reser${ }^{\text {voirs }}$ Then named territory of Louisiana.

GEOGRAPHIC DIVISIONS.
In making comparisons of the growth in population, manufactures, and agriculture for groups of states, it has been found of great advantage to divide the United States into certain groups termed geographic divisions. The grouping of the country by geographic divisions is a natural one, and by the aid of it certain characteristic features in the development of groups of states are brought out. At the Fourteenth Census the United States was divided into nine geographic divisions, the boundaries of which are shown on Plate No. 2. The states comprised in each division are as follows:


WEST NORTH CENTRAL DIVISION.

Minnesota.
Iowa.
$\begin{array}{ll}\text { Missouri. } & \text { Nebraska. } \\ \text { North Dakota. } & \text { Kansas. }\end{array}$
$\begin{array}{ll}\text { Missouri. } & \text { Nebraska. } \\ \text { North Dakota. } & \text { Kansas. }\end{array}$ South Dakota.
sotth atlantic division.

| Delaware. | Virginia. | South Carolina. |
| :--- | :--- | :--- |
| Maryland. | West Virginia. | Georgia. |
| District of Columbia. | North Carolina. | Florida. |
| east south central division. |  |  |

Kentucky.

Arkansas.

Montana.
Idaho.
Wyoming.

Washington.
Kansas.


Tennessee. Mississippi. Alabama.
west south central division.
Louisiana. Texas. Oklahoma.
moUntain division.
Colorado. Utah. New Mexico. Nevada. Arizona.
pacific division.
Oregon. California.

## CENTERS AND MEDIAN LINES.

## CENTER OF POPULATION.

After the decennial census has been completed it is of great interest to note the direction in which the center of population has moved during the decade, the movement being shown by the change in its location. On the basis of the Fourteenth Census returns the center of population and the median lines for continental United States have been determined for January 1, 1920. In these calculations no account is taken of the territory and population of Alaska and of other noncontiguous territory. The location of the center at the dates of the several censuses, 1790 to 1920, and the movement of the point from decade to decade are indicated in the accompanying tables and Plates 120 to 138 , inclusive, which include, also, a map on which are drawn the median parallel of latitude and the median meridian of longitude, 1920.

A somewhat technical significance, different from that frequently given to it, attaches to the term "center of population," as used in census publications. The center is often understood to be the point of intersection of a north and south line, which divides the population equally, with an east and west line, which likewise divides it equally. This point of intersection is, in a certain sense, a center of population; it is here, however, designated the median point to distinguish it from the point technically defined as the center.

There are points different in character which may be termed "center of population," but at each census the term "center of population" has been applied to the point which may be considered as the center of gravity of the United States; in other words, the point upon which the United States would balance, if it were a rigid plane without weight and the population distributed thereon, each individual being assumed to have equal weight and to exert an influence on the central point proportional to his distance from the point. The pivotal point, therefore, would be its center of gravity and is the point referred to by the term used in the census as "center of population." This is sometimes confused with another point which we term the "median point." Continuing the above analogy it may be noted that the median point, which may be described as the numerical center of population, is in no sense a center of gravity. In determining the median point distance is not taken into account and the location of the units of population is considered only in relation to the intersecting median lines-
as being north or south of the median parallel and east or west of the median meridian. It is evident that extensive changes in the geographical distribution of the population may take place without affecting the position of the median point. In this respect the median point differs essentially from the center of population, which responds to the slightest population change in any section of the country. To illustrate: Since the median point lies east of Minnesota, a million persons could move from Minnesota to Oregon without affecting the median point, while the movement of 500 persons from one town in Indiana to another, across the north and south line passing through the median point, would change the location of the point. On the other hand, a movement of a million persons from Minnesota to Oregon would have a very considerable effect on the center of population, since, in terms of the above analogy, the pressure exerted by each individual would increase in proportion to the distance traveled away from the center. If all the people in the United States were to be assembled at one place, the center of population would be the point which they could reach with the minimum aggregate travel, assuming that they all traveled in direct lines from their residence to the meeting place. No such statement holds true of the median point.

## METHOD OF DETERMINING THE CENTER OF POPULATION.

In making the computations for the location of the center of population it is necessary to assume that the center is at a certain point. Through this point a parallel and a meridian are drawn, crossing the entire country. In making the computations for 1920, the same point was selected as in 1910; this intersection was assumed to be where the parallel of $39^{\circ}$ north latitude intersects the meridian of $86^{\circ}$ west longitude, which lines were taken as the axes of moments.

The product of the population of a given area by its distance from the assumed parallel is called a north or south moment, and the product of the population of the area by its distance from the assumed meridian is called an east or west moment. In calculating north and south moments the distances are measured in minutes of arc ; in calculating east and west moments it is necessary to use miles on account of the unequal length of the degrees and minutes in different latitudes. The population of the country is grouped by square degrees-that is, by areas included between consecutive parallels and meridians-as they are con-
venient units with which to work. The population of the principal cities is then deducted from that of the respective square degrees in which they lie and treated separately. The center of population of each square degree is assumed to be at its geographical center except where such an assumption is manifestly incorrect; in these cases the position of the center of population of the square degree is estimated as nearly as possible. The population of each square degree north and south of the assumed parallel is multiplied by the distance of its center from that parallel; a similar calculation is made for the principal cities; and the sum of the north moments and the sum of the south moments are ascertained. The difference between these two sums, divided by the total population of the country, gives a correction to the latitude. In a similar manner the sums of the east and of the west moments are ascertained and from them the correction in longitude is made.

At the Fourteenth Census the center of population was in the following position:

> Latitude................................... . $39^{\circ} 10^{\prime} 21^{\prime \prime} \mathrm{N}$.
> Longitude................................. . $86^{\circ} 43^{\prime} 15^{\prime \prime} \mathrm{W}$.

This point is in southwestern Indiana, 1.9 miles west of Whitehall, Clay township, and 8.3 miles south-southeast of Spencer, Washington township, Owen County, Ind., shown on map on Plate 120.

During the last decade, 1910 to 1920 , the center of population moved west $10^{\prime} 55^{\prime \prime}$, approximately 9.8 miles, the smallest movement the center has ever shown, and about one-fourth of its westward movement from 1900 to 1910, while its northward movement was only $9^{\prime \prime}$, or approximately two-tenths of a mile. The great increase in the population of New York, Pennsylvania, and certain other states north of the thirty-ninth parallel has balanced the increase in Texas, Oklahoma, and southern California. The advance toward the West is, to a large extent, due to the increase in the population of the Pacific Coast states, their distance from the center giving any increase of population in those states much greater weight than an equal increase in the populous states east, which are nearer the center. The cities of Seattle, San Francisco, and Los Angeles, with a combined population of $1,398,661$, exert a greater influence on the center of population than the cities of Baltimore, Boston, Buffalo, Cleveland, Philadelphia, and Pittsburgh, with a combined population of 5,197,624.

The westward movement from 1910 to 1920 was due principally to the increase of over $1,000,000$ in the population of the state of California, which had a greater growth than at the previous decade, from 1900 to 1910 . In this connection it would be well to call attention to the fact that individuals in the states on the Pacific coast exert an influence on the center of
population proportional to their distance from the center.

There has been slight change in the northern movement of the center of population since 1900, as from 1900 to 1910 the northern movement was 0.7 of a mile and from 1910 to 1920 a little less than 0.2 of a mile, showing that the weight of the population of the United States north and south of the thirty-ninth parallel was nearly equal.

The result of the computations in 1920 for the location of the median point shows that it had moved east 8.8 miles, while, during the same decade, the center of population had a western movement of 9.8 miles. The movement in opposite directions of the two points shows in a striking manner the difference in the character of the methods used for their location. There was very slight difference in the northern movement of the two points, the median point having made practically no change since 1910 ( 0.019 of a mile), and the center of population moving only 0.2 of a mile.
LOCATION OF THE CENTER OF POPULATION AT PRIOR CENSUSES.
In 1790 the center of population was at $39^{\circ} 16^{\prime} 30^{\prime \prime}$ north latitude and $76^{\circ} 11^{\prime} 12^{\prime \prime}$ west longitude, which, according to the best maps, is a point in Maryland about 23 miles east of Baltimore. During the decade from 1790 to 1800 it moved almost due west to a point about 18 miles west of the same city, latitude $39^{\circ} 16^{\prime} 6^{\prime \prime}$, longitude $76^{\circ} 56^{\prime} 30^{\prime \prime}$.

From 1800 to 1810 it moved west and slightly south to a point in the state of Virginia about 40 miles northwest by west of Washington, D. C., latitude $39^{\circ} 11^{\prime} 30^{\prime \prime}$, longitude $77^{\circ} 37^{\prime} 12^{\prime \prime}$. The southward movement during this decade was due to the annexation of the territory of Louisiana, which contained quite extensive settlements.

From 1810 to 1820 the center of population mored west and again slightly south to a point in what is now West Virginia, about 16 miles east of Moorefield, latitude $39^{\circ} 5^{\prime} 42^{\prime \prime}$, longitude $78^{\circ} 33^{\prime}$. This second southward movement was due principally to the extension of settlements in Mississippi, Alabama, and eastern Georgia.

From 1820 to 1830 it again mored west and south to a point about 19 miles west-southwest of Moorefield, in the area now comprising the state of West Virginia, latitude $38^{\circ} 57^{\prime} 54^{\prime \prime}$, longitude $79^{\circ} 16^{\prime} 54^{\prime \prime}$. This is the most decided southward movement that it has made during any decade, owing to the annexation of Florida and the great extension of settlements in Alabama, Louisiana, Mississippi, and Arkansas, or generally, it may be said, in the Southwest. The movement from 1870 to 1880 was apparently greater, but this was due chiefly to a defective enumeration in 1870, and can not be considered as an actual change in the distribution of population.

From 1830 to 1840 it continued west, but slightly changed its course to the north, reaching a point 16 miles south of Clarksburg, in the area now comprising the state of West Virginia, latitude $39^{\circ} 2^{\prime}$, longitude $80^{\circ} 18^{\prime}$. During this decade population had increased rapidly in the Prairie states and in the southern portions of Michigan and Wisconsin.
From 1840 to 1850 the center moved west and slightly south again, reaching a point about 23 miles southeast of Parkersburg, in the area now comprising the state of West Virginia, latitude $38^{\circ} 59^{\prime}$, longitude $81^{\circ} 19^{\prime}$, the change of direction to the south being largely due to the annexation of Texas.

From 1850 to 1860 it moved west and slightly north, reaching a point 20 miles south by east of Chillicothe, Ohio, latitude $39^{\circ} 0^{\prime} 24^{\prime \prime}$, longitude $82^{\circ} 48^{\prime} 48^{\prime \prime}$.

From 1860 to 1870 it moved west and sharply north, reaching a point about 48 miles east by north of Cincinnati, Ohio, in latitude $39^{\circ} 12^{\prime}$, longitude $83^{\circ} 35^{\prime} 42^{\prime \prime}$. This northward movement was due in part to the waste and destruction in the South, consequent upon the Civil War, and in part 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 south to nearly the latitude occupied in 1860, being in Kentucky, just south of the Ohio River, in latitude $39^{\circ} 4^{\prime} 8^{\prime \prime}$, longitude $84^{\circ} 39^{\prime} 40^{\prime \prime}$, 8 miles west by south of Cincinnati, Ohio.

In 1890, owing to the great increase of population in the cities of the Northwest and in the state of Washington, also in New England, the center moved north
to latitude $39^{\circ} 11^{\prime} 56^{\prime \prime}$, longitude $85^{\circ} 32^{\prime} 53^{\prime \prime}$, to a point 20 miles east of Columbus, Ind.
During the decade from 1890 to 1900 the center of population moved west $16^{\prime} 1^{\prime \prime}$, or 14.6 miles, to longitude $85^{\circ} 48^{\prime} 54^{\prime \prime}$, and south $2^{\prime} 20^{\prime \prime}$, or 2.8 miles, to latitude $39^{\circ} 9^{\prime} 36^{\prime \prime}$, to a point 6 miles southeast of Columbus, Ind. The great increase in the population of Indian Territory, Oklahoma, and Texas was largely offset by an increase in the population of the North Atlantic states.
In 1910 the center of population was at the point where the parallel of latitude of $39^{\circ} 10^{\prime} 12^{\prime \prime} \mathrm{N}$. intersects the meridian of longitude of $86^{\circ} 32^{\prime} 20^{\prime \prime} \mathrm{W}$. and for the first time in its history was located in a city, the city of Bloomington, Ind. From 1900 to 1910 it moved 0.7 of a mile north and 38.9 miles west, the westward movement being nearly three times as great as from 1890 to 1900, but was less than the westward movement for all previous decades, except between 1800 and 1810.
The clcseness with which the center of population throughout its westward movement has clung to the thirty-ninth parallel of latitude is remarkable. The point farthest north was reached in 1790 and the farthest south in 1830, but the difference was only 21.4 miles. The greatest movement west was during the decade from 1850 to 1860 , when the center advanced 80.6 miles; the least movement west was during the last decade, from 1910 to 1920, when it advanced 9.8 miles. The total westward movement from 1790 to 1920 was 567 miles. Table 6 and the map on Plate 121 show the location of the center of population and its advance during each decade since 1790.

Table 6.-POSITION OF THE CENTER OF POPULATION: 1790 TO 1920.


1 West Virginia was set ofl from Virginia Dec. 31, 1862; admitted as a state June 19, 1863.

## MEDIAN LINES.

In connection with the definition of the median point another method of presenting facts with regard to the geographical distribution of the population has been noted, involving the location of median lines. A parallel of latitude is determined which evenly divides the population so that the population north of that parallel is equal to that south. Similarly, a meridian of longitude is determined which divides the population evenly east and west of the line. In calculating these median lines it is necessary, in the case of the square degrees of latitude and longitude which are traversed by the lines themselves, to assume that the population is evenly distributed through these square degrees or to make an estimated adjustment where this is obviously not the case.

The eastern terminus of the median parallel, according to the census of 1920 , is on the New Jersey coast near Seagirt. In its course west this line passes through central New Jersey, leaving the state near Burlington and entering Pennsylvania a few miles north of Philadelphia, thence
passing through Norristown and continuing through southern Pennsylvania and across the northern extremity of West Virginia, leaving the latter state at a point a few miles north of Wheeling. It nearly bisects Ohio, Indiana, and Illinois, crossing about 10 miles north of Columbus, Ohio, 25 miles north of Indianapolis, Ind., and about 20 miles north of Springfield, Ill. Through Missouri it runs about 30 miles south of the Iowa and Missouri line, thence passing through Nebraska about 10 miles north of its southern boundary, and across the northern part of Colorado, passing about 5 miles north of Boulder city. Its location in Utah is about 45 miles south of Salt Lake City, near Spanish Fork city. There are no large towns near its course across the northern part of Nevada. In California it passes 5 miles south of Red Bluff city, Tehama County. The western terminus of the median parallel is on the Pacific coast, in Humboldt County, Calif., about 5 miles north of Point Delgada and 25 miles south of Cape Mendocino, the point of continental United States extending farthest west.

Table 7.-MEDIAN LINES: 1880 TO 1920.

| census year. | Median parallel, north latitude. |  |  | Median meridian, west longitude. |  |  | movement in miles dURING Preceding decade. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Median parallel orthward. | $\begin{gathered} \text { Median } \\ \text { meridian } \\ \text { westward. } \end{gathered}$ | Median meridian eastward. |
|  |  | , |  |  |  |  | $\bigcirc$ | ' | " |  |  |  |  |
| 1880. |  |  |  |  | 7 | 12 |  |  |  |  |
| 1890 | 40 | 2 | 51 |  | 40 |  |  | 6.6 | 27.0 |  |
| 1900. | 40 | 4 | 22 |  | 51 | 29 |  | 2.4 | 10.8 |  |
| 1910. | 40 | 6 | 24 |  | 59 | 59 |  | 2.3 | 7.5 |  |
| 1920. |  | 6 |  | 84 | 49 | 59 |  | 0.019 |  | 8.8 |

In locating the median meridian, it was found that it had moved 8.8 miles east since 1910 , and its northern end was located 8 miles east of Whitefish Point in the northern peninsula of Michigan; from that point it passes south through the southern peninsula of Michigan, about 10 miles west of Lansing, approximately 1 mile west of the eastern boundary of Indiana, and crosses the Ohio River about 15 miles west of Cincinnati, Ohio, thence through the central part of Kentucky, passing through Frankfort. After crossing eastern Tennessee, it enters Georgia about 20 miles east of Chattanooga. It then crosses the western part of Georgia about 5 miles east of Columbus and leaves this state and enters Florida where the FloridaGeorgia boundary line crosses the Apalachicola River and ends in the Gulf of Mexico, 8 miles east of Apalachicola.
During the three decades from 1880 to 1910, there was little change in the position of the median parallel, the changes being so slight they could not be indicated
on a small map. During the decade from 1910 to 1920, the median parallel was practically in the same location, but the median meridian moved east 8.8 miles. This was due entirely to the great increase in population of the states on the Atlantic slope.

The greatest change is noted for the decade from 1880 to 1890 , during which period the median parallel moved north 6.6 miles, and the median meridian west 27 miles. The latitude and longitude of these lines at the several censuses, from 1880 to 1920, are shown in Table 7, and their location in 1920 is shown on the map on Plate No. 122.
Although the median line exactly bisects the population as a whole it does not necessarily bisect the population of the eastern or western parts of the country. The median parallel does not bisect even approximately the population residing east or west of the Mississippi River. The intersecting median lines divide the country into four parts, but in neither of these parts is there exactly one-fourth of the total
population. The diagonally opposite sections, however, are necessarily equal in population; ${ }^{1}$ that is, the northeastern section exactly equals in population the southwestern and, similarly, the population of the southeastern section exactly equals the population of the northwestern; in other words, the northeastern and southwestern quarters each contain a population of approximately $31,450,000$, while the southeastern and northwestern sections each contain about $21,400,000$.

## MEDIAN POINT.

The movement of the center of population in 1920, as compared with the movement of the median point, shows that the computations are made on an entirely different basis and the results are really not comparable. In other words, the median point and the center of population are affected differently by the movement of population. From 1910 to 1920 the center of population moved west 9.8 miles, while the median point mored east 8.8 miles. The effect of the increase in population of $1,000,000$ persons in California was much less on the median point than it was on the center of population, due to the fact that the distance of the individual from the median point does not affect it. It will also be noted that both the center of population and the median point had a very slight northern movement, being located on parallels of latitude less than a degree apart.

What is termed by the Census Bureau the "median point" of the population corresponds, as already stated, to a common conception of the center of population; that is, it is the junction of the median line dividing the population equally north and south with the median line dividing it equally east and west, distance of the population from the center not being considered. As already indicated, the changes in the median point reflect only the difference between the growth of population east of the point and the growth west of it and the difference between the growth north and south of the point; other differences in relative growth do not affect its location.

In 1920 the median point was located at latitude $40^{\circ} 6^{\prime} 25^{\prime \prime}$ north and longitude $84^{\circ} 49^{\prime} 59^{\prime \prime}$ west, near the eighty-fifth meridian. Its location, therefore, was 6 miles slightly west of south of Union City, Randolph County, Ind.; its eastward movement during the decade was 8.8 miles and its northward movement 0.019 of a mile. Comparing its movement since 1910 with that of the center of population, it will be noted that the north movement of the center of population

[^0]was 0.18 of a mile more than that of the median point; the center of population moved west 9.8 miles, while the median point moved east 8.8 miles, showing that the increase in the population of the Pacific coast had a much greater influence on the movement of the center of population than upon the median point.

It will be noted that the location of the median point was 121 miles northeast of the center of population in 1920, showing the divergence of the methods of finding the two points (the center of population and the median point).

The exact location of the median point is indicated by the median lines already shown; in Table 8 its approximate location with reference to certain towns is described.

Table 8.-Position of the Median Point: 1880 to 1920.

| census tear. | Approximate location by important towns. |
| :---: | :---: |
| 1880 | 16 miles nearly due west of Springfield, Ohio. |
| 1890. | 5 miles southwest of Greenville, Ohio. |
| 1900 | In Spartanburg, Ind. |
| 1910 | 3 miles south of Winchester, Ind. |
| 1920. | 6 miles slightly west of eouth of Union City, Ind. |

## CENTERS OF POPULATION OF STATES.

The center of the population of each of the states is shown on Plates 123 to 136, inclusive, and the location of each of the points, from 1880 to 1920 , is shown in Table 9 on pages 13 to 16.

There hare been so many requests as to the location of the centers of population of the various states that the computations were first made in 1910 for the censuses beginning with the census of 1880 , and they have been again computed for 1920.

The direction of the movement of the center in each state during the last 40 years is a matter of interest, showing as it does the direction in which the population has grown and, to a certain extent, the dircetion in which the state has developed.

From 1900 to 1920 the center of population of the United States, exclusive of its outlying possessions, moved west and north. A comparison of the movements of the centers of population of the states, including the District of Columbia, during the decade from 1910 to 1920 brings out the fact that the centers of 23 states moved north, while for 26 states the movement was south; the centers of population of 26 of the states moved east and of 23 moved west. The movement of the center of population of each state does not, therefore, coincide with the movement of the center of population of the entire United States.

As an analysis of the movement of the center of population for each state was deemed impracticable, only a brief description is given of the movement for a few of the states in which the variation of the movement of the center presents some exceptional features. The center of population of California from 1880 to

1890, advanced 34.9 miles south and 23.1 miles east, an actual distance of 41.9 miles; this was the greatest advance made during that decade in any state. From 1890 to 1900 Oklahoma held this distinction, when the movement of the center was 30.7 miles, the north movement 13.2 miles and the west movement 27.7 miles. The greatest movement from 1900 to 1910 was made in North Dakota, the distance the center moved being 44.7 miles, made up of a south movement of 1.3 miles and a west movement of 44.7 miles. The greatest distance any center moved from 1910 to 1920 was in the state of Montana. It moved 38.3 miles northeast by east to a point 9.7 miles southwest of Utica, Judith Basin County.

The greatest distance the center of population of any state advanced during the 40 years from 1880 to 1920 was in California. The center moved in a southeasterly direction 130 miles, the point in 1880 being located 3.3 miles east by south of Moorland, San Joaquin County, and in 1920, 36.2 miles south-southwest of Fresno, Fresno County.

It is well, also, to note those states in which the least change occurred in the location of the center. The center of population of Massachusetts from 1880 to 1890 advanced one-tenth of a mile east; there was no north nor south movement; from 1890 to 1900 there was a south movement of two-tenths of a mile, and a movement east of 158 feet. From 1900 to 1910 it had an eastern movement of 2.6 miles and one-tenth of a mile north, while from 1910 to 1920 it moved five-tenths of a mile south-southwest.

In Delaware, from 1900 to 1910, the movement was three-tenths of a mile north and four-tenths of a mile west; from 1910 to 1920 the movement was accelerated when the center moved 15.6 miles north by east, the greatest movement that the center has ever made in this state.

The smallest change in the location of the center made during the period from 1880 to 1920 was in Rhode Island; its center of population during the 40 years moved 1.7 miles directly north. The center of population of this state in 1880 was located 4.1 miles southwest by south of Providence and in 1920 it was 2.3 miles southwest of the same city.

The center of population of New York state in 1880 was 3 miles northwest by west of Craigeclare, Sullivan County, and in 1920 it was 3.8 miles south by west of Forestine, in the same county. The distance traversed was 6.5 miles from 1880 to $1890 ; 9.5$ miles from 1890 to $1900 ; 11$ miles from 1900 to 1910 ; and 3.9 miles from 1910 to 1920. The movement was south and east from 1880 to 1920 , except from 1900 to 1910, when the movement was south and west.

Although Texas has the greatest area of any state, the movements of the center were not large, as the development in all parts of the state has been nearly uniform. The center in 1880 was located 6.4 miles
southwest of Thornton, Limestone County; in the 40 years to 1920 , it had shifted to 12.1 miles southwest of Waco, McLennan County. The northwestern movement from 1880 to 1890 was 13.7 miles; from 1890 to $1900,3.2$ miles; from 1900 to $1910,22.6$ miles; while from 1910 to 1920 it was 5 miles southwest.

The states which show the greatest variation in the location of the center are Arizona, Kansas, Nevada, and New Jersey. For Arizona the movement shown in 1890 was 2 miles south and one-tenth of a mile west; from 1890 to 1900 it reversed the direction to 21.2 miles north and 9.3 miles east, an actual distance of 23.2 miles. During the decade from 1900 to 1910 it moved 11.5 miles south and 15.7 miles east, and from 1910 to 1920 it moved almost directly west 13.3 miles. For Kansas, while the movement was south at each census, from 1880 to 1890 it advanced westward 24.3 miles; from 1890 to $1900,22.3$ miles east; while from 1900 to 1910 the direction again changed to the west, 5.7 miles; from 1910 to 1920 the western movement was only four-tenths of a mile, a net movement during the 40 years of 9.9 miles south and 8.1 miles west. From 1880 to 1890 the movement in Nevada was south 11.2 miles and west 2.1 miles; from 1890 to 1900 it changed, moving north 22.6 miles and east 11 miles. The development of the mines between 1900 and 1910 in the southeastern portion of the state again changed the direction and produced the greatest advance at any decade, the movement being 40 miles south and 14.2 miles east, an actual distance of 42.4 miles; from 1910 to 1920 it moved 4.8 miles north-northeast, the smallest change it had ever made. During the 40 years from 1880 to 1920 the net movement was 24.1 miles south and 25 miles east. New Jersey has also shown considerable change in the direction of the movement of its center of population. From 1880 to 1890 it was 13.2 miles north and seven-tenths of a mile east; in the next decade, from 1890 to 1900 , the movement was 10.8 miles south and five-tenths of a mile east; from 1900 to 1910 it again moved north 1.7 miles and east 2.9 miles, and from 1910 to 1920 the movement was southeast, 2 miles.

The movement of the center of population of the states of Maine, Massachusetts, and Oklahoma varied in direction at each decade more than any of the other states, the movement in each state being reversed at each census.

Connecticut shows very small but steady movements south and west, the distance from 1880 to 1890 being 1.9 miles; from 1890 to 1900 , 1 mile; from 1900 to 1910, 1.3 miles; and from 1910 to $1920,1.6$ miles.

In Illinois the effect of the growth of Chicago on the center of population is evident from its northeast movement at each census, the actual distance from 1880 to 1890 being 18.4 miles; from 1890 to $1900,10.8$ miles; from 1900 to 1910, 6.4 miles; and from 1910 to 1920, 7.1 miles northeast.

There were only seven states in which the center of population moved in the same general direction at each census from 1880 to 1920 . These states are as follows: In the state of Illinois it moved north and east; for California and Georgia the movement was south and east; for Connecticut, North Carolina, and West Virginia the movement was south and west; and for Maryland the movement was north and west.

A comparison of Plates Nos. 123 to 136, on which are located the centers of population of the states, will bring to our attention the fact that in only nine
states are the centers of population near the state capitals. The nine states are Arkansas, Delaware, Indiana, Missouri, Montana, New Hampshire, Rhode Island, South Carolina, and Vermont. As the center of population is the point from which all the population is supposed to be equidistant, if it were necessary to assemble all the inhabitants of a state at one place, each individual to travel in a direct line from his residence to the meeting place, the center of population is the point they could all reach with the minimum aggregate of travel.

Table 9.-CENTERS OF Population of each state: 1880 TO 1920.


Table 9.-CENTERS OF POPULATION OF EACH STATE: 1880 TO 1920-Continued.

| STATE. | Census year. | North latitude. | West longitude. | approximate location by mportant towns. |  | MOVEMENT IN MILES DURING PRECEDING DECADE. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | County. | Nearest city or town. | From point to point in direct line. | North- Southward. ward. | Eastward. | West ward. |
| Lllinors. | 1880 | $\begin{array}{ccc}\bullet & \prime & \prime \prime \\ 40 & 26 & 47\end{array}$ | $\begin{array}{ccc}\circ & \prime & \prime \prime \\ 88 & 57 & 44\end{array}$ | McLean | 2.8 miles SE. of Bloomington, McLean County |  |  |  |  |
|  | 1890 | $\begin{array}{llll}40 & 39 & 14 \\ 40\end{array}$ | 88 57 <br> 88 44 <br> 8 34 | McLean. | 2.0 miles E. by N. of Lexington, McLean County | 18.4 | 14.3 | 11.6 |  |
|  | 1900 | $\begin{array}{llll}40 & 46 & 48\end{array}$ | 8883712 | Livingston. | 1.5 miles N. by E. of Weston, MeLean County. ... | 10.8 | 8.7 | 6. 4 |  |
|  | 1910 | $\begin{array}{lll}40 & 51 & 29 \\ 40 & 56\end{array}$ | $\begin{array}{llll}88 & 33 & 18 \\ 88 & \\ 29 & 18\end{array}$ | Livingston....... | 4.0 miles SE. of Pontiac, Livingston County ........ | 6.4 | 5.4 | 3.4 |  |
|  | 1920 | $\begin{array}{llll}40 & 56 & 45\end{array}$ |  | Livingston....... | 8.0 miles NE. by E. of Pontiac, Livingston County. | 7.1 | 6.1 | 3.7 |  |
| Indlana. | 1880 | $\begin{array}{llll}39 & 51 & 33\end{array}$ | $\begin{array}{llll}86 & 13 & 26\end{array}$ | Marion. | 2.0 miles SE. of New Augusta, Marion County. |  |  |  |  |
|  | 1890 | $\begin{array}{llll}39 & 52 & 53\end{array}$ | $86814 \begin{array}{lll}16\end{array}$ | Marion. | 0.5 mile N. of New Augusta, Marion County ........ | 1.7 | 1.5 |  | 0.7 |
|  | 1900 | $\begin{array}{llll}39 & 54 & 36 \\ 39\end{array}$ | 86 14 3 <br> 86 15  | Marion. | 2.0 miles N. by E. of New Augusta, Marion County. | 2.0 | 2.0 | 0.2 |  |
|  | 1910 | $\begin{array}{llll}39 & 56 & 49\end{array}$ | $\begin{array}{lll}86 & 15 & 47 \\ 86 & 17\end{array}$ | Brone............. | 0.3 mile W. by N. of Zionsville, Boone County ...... | 2.9 | 2.5 |  | 1.5 |
|  | 1920 | $\begin{array}{llll}40 & 0 & 14\end{array}$ | $\begin{array}{llll}86 & 17 & 16\end{array}$ | Boone............. | 4.4 miles NNW. of Zionsville, Boone County.. | 4.3 | 3.9 |  | 1.7 |
| Iowa.. | 1880 | $\begin{array}{llll}41 & 51 & 40\end{array}$ | $\begin{array}{llll}92 & 56 & 53\end{array}$ | Marshall | 1.8 miles SW. of Laurel Marshall County. |  |  |  |  |
|  | 1890 | 4156 | $\begin{array}{llll}92 & 58 & 43\end{array}$ | Marshall | 2.9 miles NW. of Laurel, Marshall County. | 5.2 | 5.0 |  | 1.6 |
|  | 1900 | $\begin{array}{llll}41 & 55 & 45\end{array}$ | $\begin{array}{lll}93 & 15 & 11\end{array}$ | Story. | 2.6 miles NE. by E. of Collins, Story Count | 14.1 | 0.3 |  | 14.1 |
|  | 1910 | $\begin{array}{llll}41 & 57 & 43\end{array}$ | $\begin{array}{llll}93 & 15 & 18\end{array}$ | Story. | 4.8 miles SE. of Colo, Story County........ | 2.3 | 2.3 |  | 0.1 |
|  | 1920 | $\begin{array}{llll}41 & 58 & 45\end{array}$ | $\begin{array}{llll}93 & 17 & 43\end{array}$ | Story | 2.3 miles S. by E. of Colo, Story County | 2.4 | 1.2 |  | 2.1 |
| Kansas.. | 1880 | $\begin{array}{llll}38 & 36 & 11\end{array}$ | 96 41 7 <br> 8   | Morris. | 3.3 miles SSW. of Wilsey, Morris County |  |  |  |  |
|  | 1890 | $\begin{array}{llll}38 & 33 & 1\end{array}$ | $\begin{array}{llll}97 & 8 & 0\end{array}$ | Marion. | 1.7 miles E. of Tampa, Marion County... | 24.6 | 3.6 |  | 24.3 |
|  | 1900 | $\begin{array}{llll}38 & 32 & 25 \\ 38 & 29 & 31\end{array}$ | $\begin{array}{llll}96 & 43 & 21 \\ 96 & 49 & 41\end{array}$ | Morris. | 7.2 miles SSW. of Wilsey, Morris County. | 22.3 | 0.7 | 22.3 |  |
|  | 1910 1920 | $\begin{array}{lll}38 & 29 & 31 \\ 38 & 27 & 33\end{array}$ | $\begin{array}{lllr}96 & 49 & 41 \\ 96 & 50 & 9\end{array}$ | Marion. Marion. | 7.0 miles E. by S. of Lincolnville, Marion County .... <br> 7.3 miles SE. by E. of Lincolnville, Marion County. | $\begin{aligned} & 6.6 \\ & 2.3 \end{aligned}$ | 3.3 2.3 |  | 5.7 0.4 |
| Kentucie. | 1880 | $\begin{array}{llll}37 & 42 & 40\end{array}$ | $\begin{array}{lll}85 & 26 & 30\end{array}$ | Nelson.... |  |  |  |  |  |
|  | 1890 | $\begin{array}{lll}37 & 42 & 46 \\ 37 & 49\end{array}$ | $\begin{array}{lll}85 & 21 & 52\end{array}$ | Washington...... | 1.0 mile E. of Blincoe, Washington County. | 4.2 | 0.1 | 4.2 |  |
|  | 1900 1910 | 37 42 <br> 37 15 <br> 37 15 | $\begin{array}{lll}85 \\ 85 & 24 & 40 \\ 85 & 21 & 29\end{array}$ | Marion........... | 2.0 miles ENE. of Holycross, Mation County ....... | 2.7 3 | 0.30 .6 |  | 2.6 |
|  | 1910 1920 | $\begin{array}{lll}37 & 42 & 29 \\ 37 & 42 & 21\end{array}$ | $\begin{array}{llll}85 & 21 & 29 \\ 85 & 15 & 24\end{array}$ | Washington. | 1.4 miles E. by S. of Blincoe, Washington County... 2.5 miles NW. by W. of Springfield, Washington | 3.0 5.6 | $\ldots$ | 3.9 5.6 |  |
|  |  |  | 80 | Washington. | $\begin{aligned} & 2.5 \text { mules I } \\ & \text { County. } \end{aligned}$ |  | 0.2 | 3.6 |  |
| Lounsuna .. | 1880 | $\begin{array}{lll}30 & 49 & 29\end{array}$ | $\begin{array}{lll}91 & 21 & 8\end{array}$ | West Feliciana ${ }^{1 .}$. | 4.3 miles NNE. of Bayou Sara, West Feliciana Parish. |  |  |  |  |
|  | 1890 | $\begin{array}{llll}30 & 50 & 40\end{array}$ | $\begin{array}{lll}91 & 29 & 24\end{array}$ | West Feliciana ${ }^{\text {. }}$. | 4.0 miles SSE. of Brandon, West Feliciana Parish.. | 8.3 | 1.4 |  | 8.2 |
|  | 1900 | $\begin{array}{lll}30 & 48 & 56 \\ 30\end{array}$ | $\begin{array}{lll}91 & 31 & 46 \\ 91 & 31\end{array}$ | Pointe Coupee 1.. | 2.4 miles NE. of Raccourci, Pointa Coupee Parish... | 3.0 | 2.0 |  | 2.3 |
|  | 1910 1920 | $\begin{array}{lll}30 & 48 & 47 \\ 30 & 51 & 28\end{array}$ | $\begin{array}{lll}91 & 33 & 50 \\ 91 & 36 & 40\end{array}$ | Pointe Coupee ${ }^{1} .$. | 1.0 mile N. by E. of Raccourci, Pointe Coupee Parish. 4.9 miles NWW. of Raccourci, Pointe Coupee Parish. | 2.0 | 3.7) 1.2 |  | 2.0 2.8 |
| Maine. | 1880 | $44 \quad 55 \quad 10$ | $\begin{array}{llll}69 & 32 & 46\end{array}$ | Somerset. | 4.8 miles ESE. of Athens post office, Somerset County |  |  |  |  |
|  | 1890 | 44 44 4 | $\begin{array}{llll}69 & 32 & 36\end{array}$ | Somerset. | 4.7 miles E. of Athens post office, Somerset County.. | 2.2 | 2.2 | 0.1 |  |
|  | 1900 | $\begin{array}{llll}44 & 57 & 52\end{array}$ | $69 \quad 33 \quad 5$ | Somerset | 4.3 miles ENE. of Athens post office, Somerset County. | 1.0 | 0.9 |  | 4 |
|  | 1910 | $\begin{array}{llll}44 & 47 & 2\end{array}$ | $\begin{array}{llll}69 & 29 & 49\end{array}$ | Somerset........ | 2.3 miles E. by S. of Canasn post office, Somerset County. | 12.8 | 12.5 | 2.7 |  |
|  | 1920 | $\begin{array}{llll}44 & 46 & 44\end{array}$ | $\begin{array}{llll}69 & 31 & 2\end{array}$ | Somerset | 1.3 miles SE. of Canaan post office, Somerset County. | 1.0 | 0.3 |  | 1.0 |
| Martland...... | 1880 | $\begin{array}{lll}39 & 9 & 4\end{array}$ | $\begin{array}{llll}76 & 41 & 17\end{array}$ | Anne Arundel. | 0.8 mile SE. of Harmans, Anne Arundel County ..... |  |  |  |  |
|  | 1890 | $\begin{array}{lll}39 & 9 & 32\end{array}$ | $\begin{array}{llll}76 & 41 & 21\end{array}$ | Anne Arundel. | 0.5 mile E. of Harmans, Anne Arundel County...... | 0.5 | 0.5 |  | 0.1 |
|  | 1900 | $\begin{array}{llll}39 & 9 & 36\end{array}$ | $\begin{array}{llll}76 & 42 & 15\end{array}$ | Anne Arundel.. | 0.4 mile W. by N. of Harmans, Anne Arundel County. | 0.8 | 0.1 |  | 0.8 |
|  | 1910 | $\begin{array}{lll}39 & 10 & 1 \\ 39 & 11 & 3\end{array}$ | $76 \quad 42 \quad 36$ | Anne Arundel.. | 0.9 mile NW. of Harmans, Anne Arundel County... | 0.6 | 0.5 |  | 0.3 |
|  | 1920 | $\begin{array}{llll}39 & 11 & 3\end{array}$ | $\begin{array}{lll}76 & 43 & 40\end{array}$ | Anne Arundel. . | 2.9 miles NNW. of Harmans, Anne Arundel County- | 1.6 | 1.2 |  | 1.0 |
| Massachusetts. | 1880 | $\begin{array}{llll}42 & 22 & 30\end{array}$ | $\begin{array}{lll}71 & 28 & 15\end{array}$ | Middlesex.. | 3.0 miles W. by S. of Sudbury post office, Middlesex County. |  |  |  |  |
|  | 1890 | $\begin{array}{llll}42 & 22 & 30\end{array}$ | $\begin{array}{lll}71 & 28 & 10\end{array}$ | Middlesex. | 2.9 miles W. by S. of Sudbury post office, Middlesex County. | 0.1 |  |  |  |
|  | 1900 | $\begin{array}{llll}42 & 22 & 19\end{array}$ | $\begin{array}{lll}71 & 28 & 8\end{array}$ | Middlesex. | 2.9 miles WSW. of Sudbury post office, Middlesex | 0.2 | 0.2 |  |  |
|  | 1910 | $\begin{array}{llll}42 & 22 & 23\end{array}$ | $\begin{array}{llll}71 & 25 & 8\end{array}$ | Middlesex.. | 0.5 mile SSW. of Sudbury post office, Middlesex | 2.6 | 0.1 | 2.6 |  |
|  | 1920 | $\begin{array}{lll}42 & 22 & 18\end{array}$ | $\begin{array}{lll}71 & 25 & 45\end{array}$ | Middlesex. | 0.8 mile SSW. of Sudbury post office, Middlesex County. | 0.5 | 0.1 |  | 0.5 |
| Michigan. | 1880 | $43 \quad 3 \begin{array}{lll}43\end{array}$ | $\begin{array}{llll}84 & 38 & 36\end{array}$ | Clinton. |  |  |  |  |  |
|  | 1890 |  |  | Gratiot | 5.5 miles N. by W. of Middleton, Gratiot County | 14.3 | 13.7 |  | 4. 2 |
|  | 1900 1910 | $\begin{array}{cccc}43 & 21 & 0 \\ 43 & 19 & 55\end{array}$ | $\begin{array}{ccc}84 & 46 & 19 \\ 84 & 45 & 0\end{array}$ | Gratiot. | 9.2 miles WN W. of Ithaca, Gratiot County <br> 7.7 miles W N W. of Ithaca, Gratiot County | 6. 8 | 6. 4 \|l. |  | 2.2 |
|  | 1910 1920 | $\begin{array}{rrr}43 & 19 & 55 \\ 43 & 6 & 17\end{array}$ | $\begin{array}{rrrr}84 & 45 & 0 \\ 84 & 24 & 59\end{array}$ | Gratiot. | 7.7 miles WNW. of Ithaca, Gratiot County ........... 10.4 miles NE. of St. Johns, Clinton County . . . . . | 1.6 <br> 23.1 | 1.8 | 16.1 |  |
| Minnesota. | 1880 | $\begin{array}{llll}44 & 47 & 33\end{array}$ | $\begin{array}{lll}93 & 44 & 41\end{array}$ | Carver. | 1.6 miles E. by S. of Young America, Carver County.. |  |  |  |  |
|  | 1890 | 45 45 | ${ }_{93}^{93} 50036$ | Wright. | 3.6 miles ENE. of Montrose, Wright County......... | 21.4 | 20.9 |  | 4.8 |
|  | 1900 | $\begin{array}{llll}45 & 15 & 29\end{array}$ | $\begin{array}{llll}93 & 59 & 24\end{array}$ | Wright.... | 2.2 miles N. by E. of Magle Lake, Wright County. | 13.3 | 11.2 |  | 7.2 |
|  | 1910 | $\begin{array}{lll}45 & 22 & 23\end{array}$ | $\begin{array}{lll} 93 & 51 & 29 \end{array}$ | Sherburne. | 1.9 miles SE. of Becker, Sherburne County....... | 10. 2 | 7.9 | 6. ${ }^{4}$ |  |
|  | 1920 | $\begin{array}{lll} 45 & 25 & 26 \end{array}$ | $\begin{array}{lll} 93 & 51 & 1 \end{array}$ | Sherburne. | 2.8 miles NNE. of Becker, Sherburne County | 3.5 | 3.5 | 0.4 |  |
| MISSISSIPPI. | 1880 | $\begin{array}{ccc}33 & 2 & 50\end{array}$ | 898426 | Attala. | 4.0 miles ENE. of Sallis, Attala County. |  |  |  |  |
|  | 1890 | $\begin{array}{llll}35 & 59 & 52 \\ 32\end{array}$ | 89843 | Attala. | 3.5 miles SE. of Sallis, Attala County... | 3.6 | 3.4 |  | 1.3 |
|  | 1900 | $\begin{array}{llll}32 & 55 & 37\end{array}$ | $\begin{array}{llll}89 & 44 & 46\end{array}$ | Attala. | 7.0 miles SE. by S. of Sallis, Attala County | 5.1 | 4. 9 |  | 1.3 |
|  | 1910 | $\begin{array}{llll}32 & 54 & 7\end{array}$ | $\begin{array}{llll}89 & 45 & 22\end{array}$ | Attala | 8.5 miles S. by E. of Sallis, Attala County. | 1.8 | 1.7 |  | 0.6 |
|  | 1920 | $\begin{array}{llll}32 & 55 & 35\end{array}$ | $\begin{array}{llll}89 & 45 & 37\end{array}$ | Attala. | 7.0 miles S. by E. of Sallis, Attala County | 1.7 | 1.7 $7 .$. |  | 0.2 |
| Missourl. | 1880 | $\begin{array}{llll}38 & 42 & 32 \\ 38 & 38\end{array}$ | $\begin{array}{llll}92 & 25 & 8\end{array}$ | Moniteau......... | 2.6 miles NW. of Marion, Cole County. |  |  |  |  |
|  | 1890 | $\begin{array}{llll}388 & 38 & 19 \\ 38 & 36 & 19\end{array}$ | $\begin{array}{lll} 92 & 27 & 57 \end{array}$ | Moniteau............ | 2.9 miles NW. of Centertown, Cole County |  | $\text { 4. } 5$ |  | 2.5 |
|  | 1900 | $\begin{array}{llll}38 & 36 & 11 \\ 38 & 33\end{array}$ | $\begin{array}{cccc}92 & 25 & 55 \\ .92 & 18\end{array}$ | Cole. | 0.6 mile SW. of Centertown, Cole County..... | 3. 1 |  | 1.8 | ...... |
|  | 1910 | $\begin{array}{llll}38 & 33 & 0 \\ 38 & 33\end{array}$ | $\cdots$ |  | 6.5 miles WSW. of Jefferson City, Cole County ..... | 7.7 | 3.7 | 6.8 |  |
|  | 1920 | $\begin{array}{llll}38 & 33 & 17\end{array}$ | $\begin{array}{lll}92 & 16 & 23\end{array}$ | Cole | 4.0 miles SW. by W. of Jefferson City, Cole County.. | 1.8 | 0.3 | 1.8 | . |
| Mcntana. | 1880 | $\begin{array}{llll}46 & 23 & 5\end{array}$ |  |  |  |  |  |  |  |
|  | 1890 1900 | $\begin{array}{lll}46 & 31 & 45 \\ 46\end{array}$ | $111 \quad 51 \quad 22$ | Jefferson | 9.3 miles ESE. of Helena, Lewis and Clark County | 11.9 | 10.0 |  | 6.4 |
|  | 1900 1910 | $\begin{array}{llll}46 & 34 & 45 \\ 46 & 41 & 31\end{array}$ | $\begin{array}{lll} 111 & 36 & 18 \\ 110 & 59 & 49 \end{array}$ | Broadwater........ Meagher. | 19.7 miles E. by N. of Helena, Lewis and Clark Count y. 9.8 miles NN W. of White Sulphur Springs, Meagher | 12.5 <br> 30.0 | 3.4 | 12.0 |  |
|  | 1910 | $\begin{array}{llll}46 & 41 & 31 \\ 46 & 52 & 38\end{array}$ | $\begin{array}{llll}110 & 59 & 49\end{array}$ | Meagher | 9.8 miles NN W. of White Sulphur Springs, Meagher County. | 30.0 | 7.8 | 29.0 | ..... |
|  | 1920 | $\begin{array}{llll}46 & 52 & 36\end{array}$ | $\begin{array}{lll}110 & 14 & 2\end{array}$ | Judith Basin..... | 9.7 miles SW. of Utica, Judith Basin County....... | 38.3 | 12.8 | 36. 1 | ...... |

Table 9.-Centers of poputation of eac'i state: 1880 to 1920-Continued.

| state. | Census year. | North | West longitude. | approximate location by maportant towns. |  | MOVEMENT IN MLLES DURING Preceding decade. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | County. | Nearest city or town. | From point to point direct line. | Northward. | South- | Eastward. | West- |
| Nebraska | 1880 | $\begin{array}{ccc} \circ & \prime & 11 \\ 40 & 57 & 47 \end{array}$ | $\begin{array}{rl} 97 & \prime \prime \prime \\ 97 & 20 \end{array}$ | Seward. | 4.7 miles N. by E. of Utica, Seward Cound |  |  |  |  |  |
|  | 1890 | 41 <br> 4 <br> 4 | ${ }_{97}^{97} 43834$ | Polk | 3.5 miles ENE. of Polt, Polk County | 22.0 | 9.3 |  |  | 19.9 |
|  | 1800 1910 | 41 8 8 <br> 41   <br> 41 11  | 97 42 10 <br> 97 50  <br> 17   | Polk | 6.2 miles WNW. of Stromburg, Polk County | 3.4 7.7 | 3.2 2 2 |  | 1.2 |  |
|  | 1910 1920 | $\begin{array}{llll}41 & 11 & 13 \\ 41 & 12 & 32\end{array}$ | 97 50 <br> 97 57 <br> 17  | Merrick | ${ }_{5}^{1.7}$ miniles W . of by S. S . of Clarks, Merrick County | 7.7 6.0 | 2.9 <br> 1.5 |  |  | 7.1 5.8 |
| Nevada. | 1880 | $\begin{array}{llll}39 & 41 & 41\end{array}$ | 117859 | Churchill | 2.5 miles SSE. of Boyer, Churchill County... |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}39 & 31 & 55\end{array}$ | $118{ }^{11} 818$ | Churchill | 13.8 miles S. by W. of Boyer, Churchill County | 11. 4 |  | 11. 2 |  | 2.1 |
|  | 1900 1910 | 39 51 <br> 39 31 <br> 38 16 <br> 8  | $\begin{array}{llll}117 & 49 & 23 \\ 117 & 33 & 18\end{array}$ | Churchill. | 13.3 miles NE. of Boyer, Churchill County. | 25.1 | 22.6 |  | 11.0 |  |
|  | 1910 1920 | $\begin{array}{lll}39 & 16 & 48 \\ 39 & 20 & 41\end{array}$ | $\begin{array}{llll}117 & 33 & 18 \\ 117 & 31 & 23\end{array}$ | Lander.. | 20.3 miles SE. of Alpine, Churchill County. 26.2 miles WSW. of Austin, Lander County | 42.4 4.8 | 5 | 40.0 | 14.2 1.7 |  |
| New Hampshire. | $1 \times 80$ | $\begin{array}{llll}43 & 26 & 25\end{array}$ | $\begin{array}{llll}71 & 35 & 50\end{array}$ | Belknap... | 0.2 mile W. by S. of Tilton, Belknap County |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}43 & 26 & 1\end{array}$ | $\begin{array}{llll}71 & 35 & 23\end{array}$ | Merrimack | 0.6 mile S. by E. of Tilton, Belknap County. | 0.6 |  | 0.5 | 0.4 |  |
|  | 1900 1910 | $\begin{array}{rrr}43 & 26 & 1 \\ 43 & 21 & 18\end{array}$ | $\begin{array}{llll}71 & 34 & 44 \\ 71 & 32 & 10\end{array}$ | Merrimack....... | 0.9 mile SE. of Tilton, Belknap County.......... | 0.5 5.8 |  |  | 0.5 |  |
|  | 1910 | $\begin{array}{llll}43 & 21 & 18 \\ 43 & 21 & 30\end{array}$ | $\begin{array}{lll}71 & 32 & 10 \\ 71 & 32 & 17\end{array}$ | Merrimack Merrimack | 2.2 miles NE. of Canterbury post office, Merrimack County. <br> 2.4 miles NE. by N. of Canterbury post office, Merrimack County. | 5.8 0.2 | 2 | 5.4 | 2.1 | 0.1 |
| New Jersey... | 1880 | $\begin{array}{lll}40 & 25 & 48\end{array}$ | $\begin{array}{llll}74 & 31 & 1\end{array}$ | Middlesex. | 5.5 miles SW. of New Brunswick, Middlesex County. |  |  |  |  |  |
|  | 1990 1900 | 40 37 19 <br> 40 27 54 | $\begin{array}{llll}74 & 30 & 14 \\ 74 & 29 & 37\end{array}$ | Somerjet. Middlesex | 2.8 miles NW. of Dunellen, Middlesex County ${ }^{\text {a }}$ (..... | 13.2 10.8 | 13.2 |  | 0.7 |  |
|  | 1900 | $\begin{array}{llll}40 & 27 & 54\end{array}$ | $\begin{array}{lll}74 & 29 & 37\end{array}$ | Middlesex. | 3.0 miles SW. by W. of New Brunswick, Middlesex County. | 10.8 |  | 10.8 | 0.5 |  |
|  | $\begin{aligned} & 1910 \\ & 1920 \end{aligned}$ | $\left.\begin{array}{lll} 40 & 29 & 24 \\ 40 & 28 & 19 \end{array} \right\rvert\,$ | $\begin{array}{lll} 74 & 26 & 20 \\ 74 & 24 & 34 \end{array}$ | Middlcsex. | First ward of New Brunswick, Middlesex County ... | $\begin{aligned} & 3.4 \\ & 2.4 \end{aligned}$ | 1.7 |  | 2.9 1.6 |  |
| New Mexico......... | 1880 |  | 10681035 | Santa Fe. | 5.0 miles SE. of San Pedro, Santa Fe County. |  |  |  |  |  |
|  | 1890 1900 | 34 58 <br> 34 58 <br>  19 | $\begin{array}{lll}106 & 9 & 1 \\ 106 & 9 & 41\end{array}$ | Torrance | ${ }_{7} \mathbf{6} 4$ miles W. by S. of Moriarty T Torrance County | 13. 1 |  | 13.0 | i. 5 |  |
|  | 1910 | $\begin{array}{llll}34 & 38 & 5 \\ 34 & 49 & 5\end{array}$ | 105 4 <br> 105  <br> 1  | Torrance | 19.5 miles ENE. of Estancia, Torrance County | 3.8 26.0 |  | 3.8 6.8 | 25.1 | 0.6 |
|  | 1920 | $\begin{array}{llll}34 & 44 & 34\end{array}$ | $\begin{array}{llll}105 & 55 & 13\end{array}$ | Torrance. | 8.0 miles E. by S. of Estancia, Torrance County | 12.6 |  | 5.2 |  | 11.5 |
| New York............ | 1880 | $\begin{array}{llll}42 & 0 & 4\end{array}$ |  | Delaware. | 3.0 miles NW. by W. of Craizeclare, Sullivan County- |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}41 & 54 & 51\end{array}$ | $\begin{array}{lll}74 & 51 & 56\end{array}$ | Sullivan......... | 1.8 miles W. by N. of Livingston Manor, Sullivan County. | 6.5 |  | 6.0 | 2.5 |  |
|  | 1900 |  |  | Sullivan. | 1.2 miles SW. of Liberty, Sullivan County......... | 9.5 |  | 7.9 | 5.2 |  |
|  | $\begin{array}{r} 1910 \\ 1920 \end{array}$ | $\begin{array}{llll}41 & 39 & 29 \\ 41 & 36 & 13\end{array}$ | $\begin{array}{lll} 74 & 50 & 50 \\ 74 & 50 & 59 \end{array}$ | Sullivan. <br> Sullivan. | 0.7 mile NW. by W. of Forestine, Sullivan County . 3.8 miles S. by W. of Forestine, Sullivan County. | 11.0 3.9 |  | 9.8 3.8 | 0.7 | 5.1 |
| North Carolna...... | 1880 | $\begin{array}{llll}35 & 38 & 35\end{array}$ | $\begin{array}{llll}79 & 18 & 37\end{array}$ | Chatham. | 2.2 miles NXW. of Goldston, Chatham County. |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}35 & 38 & 22\end{array}$ | $\begin{array}{llll}79 & 25 & 11\end{array}$ | Chatham | 2.5 miles S. of Mount Vernon Springs, Chatham | 6.2 |  | 0.2 |  | 6. 2 |
|  | 1900 | $\begin{array}{llll}35 & 38 & 13\end{array}$ | $\begin{array}{llll}79 & 28 & 37\end{array}$ | Chatham | 4.2 miles SW. of Mount Vernon Springs, Chatham | 3.2 |  | 0.2 |  | 3.2 |
|  | 1910 |  | $79 \quad 2949$ | Chatham | 3.3 miles ENE of Cheeks, Randolph Count | 5 |  |  |  |  |
|  | 1920 | $\begin{array}{llll}35 & 36 & 48\end{array}$ | $7931 \begin{array}{llll}7 & 31\end{array}$ | Chatham | 3.0 miles SW. by $S$. of Mount Vernon Springs, Chatham County. | 1.7 |  | 0.7 |  | 1.5 |
| North Dakita....... | 1880 | $\begin{array}{llll}47 & 2 & 3\end{array}$ | 98837 | Barnes. | 2.0 miles SW. of Matteson, Barnes County |  |  |  |  |  |
|  | 1890 |  |  |  | 7.2 miles SW. of Jessie, Griggs County.... |  |  |  |  | 8. 4 |
|  | 1900 1910 | 47 <br> 47 <br> 47 | 98 42 <br> 98  <br> 99 32 <br> 8 47 | Foster. | ${ }_{3} 6.6$ miles SW. or McHenry, Foster County | 17.6 44 | 3.5 |  |  | 17.2 |
|  | 1910 1920 | 47 <br> 47 <br> 47 284838 | 99 39 <br> 99 47 <br> 8 27 | Wells | 2.5 miles WNW. of Bowdon, Wells County | 44.7 5.6 |  | 1.3 |  | 44.7 5.2 |
| Orio. | 1880 | $\begin{array}{llll}40 & 20 & 17\end{array}$ |  | Delaware. | 3.7 miles E. by N. of Kilbourne, Delaware County. - |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}40 & 22 & 59\end{array}$ |  | Morrow........... |  |  |  |  |  | 0.1 |
|  | 1900 1910 | $\begin{array}{llll}40 & 24 & 12 \\ 40 & 28 & 48\end{array}$ | $\begin{array}{lll}82 & 54 & 45 \\ 82 & 48 & 25\end{array}$ | Morrow. | 5.4 miles W. of Marengo. Morrow County <br> 1.5 miles E. by N . of Fuiton Morrow County | 1.6 7.7 | 1.4 5.3 |  |  | 0.7 |
|  | 1920 | 40 40 | $\begin{array}{llll}82 & 41 \\ 82 & 41 & 36\end{array}$ | Morrow | 7.6 miles E. of Mount (ilead, Morrow County. | 7.8 | 5.0 |  | 6.6 |  |
| Oklaboma. | 1890 | 351885 | $\begin{array}{llll}96 & 28 & 1\end{array}$ | Seminole. | 5.0 miles WSW of Bearden, Okfuskee County. |  |  |  |  |  |
|  | 1900 1910 | 35 30 25 <br> 35 38  | $\begin{array}{lll}96 & 37 & 32\end{array}$ |  |  |  | 13.2 |  |  | 27.7 |
|  | 1910 1920 | 35 <br> 35 <br> 35 <br> 28 | 97 5 28 <br> 96 52 48 <br> 18   | Lincoln Lincoln. | 3.0 miles NNE. of McLoud, Pottawatomie County 2.0 miles SSE. of Meeker, Lincoln County. | 7.9 11.9 | 0.3 |  | 11.9 | 7.5 |
| Oregon.............. | $18 \times 0$ | 44 49 37 | 122180 | Linn. | 9.1 miles WSW of Detroit, Marion County |  |  |  |  |  |
|  | 1890 1900 | $\begin{array}{llll}44 & 46 & 13\end{array}$ | 12209 | Marion. | 7.8 miles ENE or Detroit, Marion County. | 16. 5 | 7.6 |  | 14.7 |  |
|  | 1900 1900 |  | $\begin{array}{ccc}121 & 56 \\ 122 & 12 & 0\end{array}$ | Clackamas | 18.0 miles NE. Wy N. of Detroit, Marion County.... | 11.7 | 11.2 |  | 3.4 |  |
|  | 1910 1920 | 44 <br> 44 <br> 4 <br> 15 <br> 15 | $\begin{array}{llll}122 & 12 & 13 \\ 122 & \\ 7\end{array}$ | Mlarkamas | 108 miles $\mathbf{V W}$ of Detroit 24.6 miles SE. of Marquam, Clackamas County...... | 13.9 4.2 | 4.0 |  |  | 13.2 1.2 |
| Pensaylcasia | 1.850 | 40 |  | Juniata. | 11.6 miles E. by C . of Miffintown, Juniata County. . |  |  |  |  |  |
|  | 1890 1900 | $\begin{array}{llll}40 & 35 & 14 \\ 40 & 35\end{array}$ | $77 \quad 1230$ | Juniata. | 9.5 miles E. by X. or Miffintown, Juniata County. | 2.2 |  | 0.1 |  | 2.2 |
|  | 1900 1900 | $\begin{array}{llll}40 & 35 & 50 \\ 40 & 32 & 54\end{array}$ | 77 15 a <br> 77 17  <br> 0   | Juniata. | 7.t miles ENE. of Mifflintoun. Juniata County...... | 2.4 | 0.7 |  |  | 2.3 |
|  | 1920 | $40 \quad 32 \quad 5$ | $\begin{array}{llll}77 & 18 & 30\end{array}$ | Juniata | 5.2 miles SE. of Mifflintown, Juniata County | 1.1 |  | 0.9 |  | 0.6 |
| Rhone Island. | 1880 | $41 \begin{array}{lll}46 & 14\end{array}$ | $\begin{array}{lll}71 & 27 & 40\end{array}$ | Providence...... | 4.1 miles SW. by S. of Providence post offee, Provi- |  |  |  |  |  |
|  | 1890 | $\begin{array}{lll}41 & 46 & 46\end{array}$ | $\begin{array}{lll}71 & 25 & 49\end{array}$ | Providence.... | 3.7 minee County. ${ }^{\text {d }}$ ( Providence post office, Providence | 0.6 | 0.6 |  |  | 0.1 |
|  | 1900 | $\begin{array}{llll}41 & 47 & 5\end{array}$ | $\begin{array}{lll}71 & 27 & 42\end{array}$ | Proridence..... | ${ }_{3.4}{ }^{\text {county }}$ miles $5 W$. of Providence post office, Providence | 0.4 | 0.4 |  | . 1 |  |
|  | 1910 | $\begin{array}{llll}41 & 47 & 24\end{array}$ | $\begin{array}{lll}71 & 27 & 40\end{array}$ |  | ${ }_{3}{ }^{\text {county }}$ milesSW. by W. of Providence post office, Provi- | 0.4 |  |  |  |  |
|  |  |  |  |  | dence County. |  |  |  |  |  |
|  | 1920 | $41 \begin{array}{ll}47 & 43\end{array}$ | $\begin{array}{lll}71 & 26 & 27\end{array}$ | Providence....... | 2.3 miles SW. of Providence post office, Providence County. | 2 |  |  | 1. |  |
| sotth ciarolina...... | 1*80 | ${ }_{33} 58847$ |  | Richland.... | 3.4 miles SE. by E. of Columbia, Richland County.. |  |  |  |  |  |
|  | $1 \times 90$ | $\begin{array}{lllll}33 & 59 & 12\end{array}$ | $\begin{array}{llll}\times 0 & 5 \times & 50\end{array}$ | Richland..... | 3.2 miles ESE. of Columbia, Richland County.- | 0.5 |  |  |  | 0.1 |
|  | 1900 | 34 0 18 <br> 34 2 2 <br> 4   | $\begin{array}{ccc}\text { k0 } & 59 & 49 \\ 81 & 4 \\ 81 & 1\end{array}$ | Richland.... | ( 1.3 miles E. by N. of Columbia, Riehland Coun | 1.6 4.5 | 1.3 1.0 |  |  | 0.9 |
|  | 1920 | 31235 ! | 81 3 42 | Richland. | 4.0 miles NW, of Columbia. kichland County | 4.7 | 0.6 |  | 3 |  |

Table 9.-GENTERS OF POPULATION OF EACH STATE: 1880 TO 1920-Continued.

| state. | Census year. | $\begin{aligned} & \text { North } \\ & \text { latitude. } \end{aligned}$ | $\begin{gathered} \text { West } \\ \text { longitude. } \end{gathered}$ | approxmate location by important towns. |  | movement in miles during preceding decade. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | County. | Nearest city or town. | $\begin{aligned} & \text { From } \\ & \text { point } \\ & \text { to } \\ & \text { point } \\ & \text { in } \\ & \text { direct } \\ & \text { line. } \end{aligned}$ | North | South ward | Eastward. | West- |
| South dakota. | 1880 | $\circ$ $\prime$ $\prime \prime$ <br> 43 59  <br> 18   | $\stackrel{\circ}{98}$ ¢ $18{ }^{\prime \prime}$ | Sanborn | 5.0 miles SSW. of Woonsocket, Sanborn County |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}44 & 16 & 52\end{array}$ | $\begin{array}{llll}98 & 24 & 26\end{array}$ | Beade.. | 1.5 miles S. by E. of Virgil, Beadie County ${ }^{\text {a }}$. ${ }^{\text {a }}$...... |  | $20.0$ |  |  |  |
|  | 1900 1910 | $\begin{array}{llll}44 & 21 & 20 \\ 44 & 19 & 48\end{array}$ | $\begin{array}{llll}98 & 25 & 9 \\ 98 & 50 & 6\end{array}$ | 俍 ${ }^{\text {Beadle. }}$ | 10.0 miles W.by S. of Huron, Beadle County | $5.1$ | $5.1$ |  |  | 0.6 20.5 |
|  | 1910 1920 | 44 19 48 <br> 44 19 25 | $\begin{array}{llll}98 & 50 & 6 \\ 98 & 40 & 39\end{array}$ | Hand. Beadle | 8.0 miles N. of Danforth, Hand County. <br> 13.6 miles NW. by W. of Virgil, Beadle County. | 20.6 7.8 |  | 1.8 | 7.8 |  |
| Tennessee.. | 1880 | $\begin{array}{llll}35 & 50 & 9\end{array}$ | $\begin{array}{llll}86 & 38 & 37\end{array}$ | Williamson. | 4.6 miles SE. of Arrington, Williamson County. |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}35 & 50 & 7 \\ 35 & 50\end{array}$ |  | Rutherford...... | 5.4 miles NW. by N. of Rockvale, Rutherford County | $\begin{aligned} & 2.5 \\ & 0.3 \end{aligned}$ |  | $\begin{aligned} & 70.03 \\ & 0.02 \end{aligned}$ | 2.5 |  |
|  | 1900 1910 | $\begin{array}{rrrr}35 & 50 & 6 \\ 35 & 49 & 16\end{array}$ | $\begin{array}{llll}86 & 36 & 19 \\ 86 & 33 & 47\end{array}$ | Rutherford...... | 5.6 miles NW. of Rockvale, Rutherford County..... 4.5 miles $\mathbf{W}$. of Overall, Rutherford County. | $\begin{aligned} & 0.3 \\ & 2.6 \end{aligned}$ |  | $\begin{array}{r} 0.02 \\ 1.0 \end{array}$ | 2.4 | 0.3 |
|  | 1920 | $\begin{array}{llll}35 & 48 & 53\end{array}$ | $\begin{array}{lllll}86 & 32 & 1\end{array}$ | Rutherford. | 8.4 miles SW. by W. of Murfreesboro, Rutherford County. | 1.7 |  | 0.4 | 1.7 |  |
| Texas. | 1880 | $\begin{array}{lll}31 & 20 & 50\end{array}$ | ${ }_{96}^{96} 3830$ | Limestone. | 6.4 miles SW. of Thornton, Limestone County. |  |  |  |  |  |
|  | 1890 |  | $\begin{array}{llll}96 & 50 & 52\end{array}$ | Falls... | 3.0 miles WSW. of Otto, Falls County. | 13.7 |  |  |  |  |
|  | 1900 1910 | $\begin{array}{llll}31 & 28 & 35 \\ 31 & 31 & 23\end{array}$ | 96 52 26 <br> 97 15  <br>  14  | Falls....... | 4.5 miles NNW. of Otto, Falls County........ | 3.2 22.6 | 2.8 3.2 |  |  | 1.5 22.4 |
|  | 1920 | $\begin{array}{llll}31 & 38 & 38 \\ 31 & 28\end{array}$ | $\begin{array}{llll}97 & 19 & 19 & 12\end{array}$ | McLennan. | 12.1 miles SW. of Waco, McLennan County.. | 5.0 |  | 3.2 |  | 3.9 |
| Utah | 1880 | $\begin{array}{llll}40 & 13 & 56\end{array}$ | 11115430 | Utah. | 26.6 miles W. by S. of Provo, Utah County.......... |  |  |  |  |  |
|  | 1890 |  |  | Utah.. | 4.6 miles SSE. of American Fork, Utah County | 8. 9 | 5.7 |  | 6.8 |  |
|  | 1900 1910 | $\begin{array}{llll}40 & 18 & 2 \\ 40 & 23 & \mathbf{6}\end{array}$ | $\begin{array}{llll}111 & 45 & 29 \\ 111 & 47 & 46\end{array}$ | Utah.. | 4.7 miles WNW. of Provo, Utah County <br> 1.4 miles ENE. of American Fork, Utah County | 3.5 8.3 1. | 8.1 | 3.3 | 1.1 | 2.0 |
|  | 1920 | $\begin{array}{llll}40 & 22 & 19\end{array}$ | 1114 | Utah. | 1.5 miles SE. of American Fork, Utah County.. | 1.1 |  | 0.9 | 0.6 |  |
| Vermont. | 1880 | $\begin{array}{llll}44 & 1 & 45\end{array}$ | $\begin{array}{llll}72 & 43 & 5\end{array}$ | Washington. | 3.8 miles S. by E. of Roxbury post office, Washing- |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}44 & 2 & 38\end{array}$ | $\begin{array}{llll}72 & 42 & 48\end{array}$ | Washington. | 3.0 miles SE. by S. of Roxbury post office, Washing- | 1.0 | 1.0 |  | 0.2 |  |
|  | 1900 | $\begin{array}{llll}44 & 3 & 18\end{array}$ | $\begin{array}{lll}72 & 39 & 1\end{array}$ | Orange. | 2.0 miles NW. of Brookfield post office, Orange | 3.2 | 0.8 |  | 3.1 |  |
|  | 1910 | $44 \quad 30$ | $\begin{array}{llll}72 & 44 & 56\end{array}$ | Washington | County. <br> 2.6 miles S. by W. of Roxbury post office, Wash | 4.9 |  | 0.3 |  | 4.9 |
|  | 1980 | 44246 |  | Washing | ton Count7. | 0.3 |  | 3 |  |  |
|  | 1920 | $44 \quad 246$ |  | Washing | County |  |  | 0.3 |  |  |
| Virginta. | 1880 | $\begin{array}{llll}37 & 29 & 34\end{array}$ | $\begin{array}{llll}78 & 29 & 51\end{array}$ | Buckingham..... | 3.2 miles NNE. of Arcanum, Buckingham County ... |  |  |  |  |  |
|  | ${ }_{1800}^{1890}$ |  |  | Buckingham..... |  |  |  | 1.2 |  | 3.3 |
|  | 1900 1910 | $\begin{array}{llll}37 & 28 & 19 \\ 37 & 25 & 5\end{array}$ | $\begin{array}{lll}78 & 32 & 54 \\ 78 & 33 & 58\end{array}$ | Buckingham..... | 1.9 miles W. by S. of A reanum, Buckingham County. | 2.5 |  | 2.5 | 0.5 |  |
|  | 1910 1920 | $\begin{array}{llll}37 & 25 & 5 \\ 37 & 23 & 38\end{array}$ | 78 78 78 30 | Buckingham..... | 3.8 miles S. by E. of Arcanum, Buckingham County. | 1.7 |  | 1.7 | 3.3 | 1.0 |
| Washington | 1880 | $\begin{array}{llll}47 & 5 & 32\end{array}$ | $\begin{array}{llll}120 & 36 & 29\end{array}$ | Kittitas. | 4.3 miles ENE. of Thorp, Kittitas County. |  |  |  |  |  |
|  | 1890 | 47 475 |  | Kittitas. | 5.8 miles ENE. of Roslyn, Kittitas County. | 17.2 | 11. 7 |  |  | 2.6 |
|  | 1900 1910 | $\begin{array}{llll}47 & 19 & \mathbf{5 0} \\ 47 & 23 & \mathbf{6}\end{array}$ | $\begin{array}{cccc}120 & 46 & 35 \\ 121 & 4 & 16\end{array}$ | Kititas. | 7.8 miles N W. of Liberty, Kittitas County.. 12.7 miles NNW. of Rosilyn, Kittitas County | 6.6 12.0 8. | 4.7 3.8 |  | 4.6 |  |
|  | 1920 | $\begin{array}{llll}47 & 24 & 5 \\ 47 & \end{array}$ | $\begin{array}{llll}121 & 14 & 4 \\ 14\end{array}$ | Kittitas. | 17.2 miles NW. by N. of Roslyn, Kittitas County. | $\begin{array}{r}8.0 \\ \hline 8\end{array}$ | 1.1 |  |  | 7.9 |
| West Virginta. | 1880 |  |  | Braxton. | 2.5 miles NNE. of Burnsville. Braxton County |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}38 & 49 & 59\end{array}$ | $\begin{array}{llll}80 & 41 & 26\end{array}$ | Braxton. | 2.7 miles SW. of Burnsville, Braxton County........ | 5.1 |  | 3.9 |  | 3. 3 |
|  | 1900 | $\begin{array}{llll}38 & 48 & 7\end{array}$ | $\begin{array}{lll}80 & 44 & 22\end{array}$ | Braxton. | 1.4 miles W. by S. of Delta or Braxton post office, | 3.3 |  | 2.1 |  |  |
|  | 1910 |  | $\begin{array}{llll}80 & 49 & 12\end{array}$ | Braxton. | 1.8 miles NW. of Chapel, Braxton County.......... | 5.2 |  | 3.0 |  | 4. 3 |
|  | 1920 | $\begin{array}{lll}38 & 42 & 36\end{array}$ |  | Braxton. | 4.5 miles NW. of Gassaway, Braxton County........ | 4.7 |  | 3.4 |  |  |
| Wisconsin. | 1880 | $\begin{array}{llll}43 & 44 & 57\end{array}$ | $\begin{array}{llll}89 & 17 & 6\end{array}$ | Marquette. | 3.8 miles SE. of Montello, Marquette County. |  |  |  |  |  |
|  | 1890 |  | $\begin{array}{lll}89 & 18 & 22\end{array}$ | Marquette. | 2.3 miles W. of Germania, Marquette County | 9.9 | $\dddot{9.8}$ |  |  | ${ }_{0} 1.3$ |
|  | 1900 1910 | $\begin{array}{llll}43 & 57 & 29 \\ 43 & 56 \\ 43\end{array}$ | $\begin{array}{lll}89 & 18 & 43 \\ 89 & 14 & 10\end{array}$ | Marquette. | ${ }_{2.2}^{5.1}$ miles W. W . by S. of Neshzoro, Marquette County... | 4.6 3.9 | $4.6$ |  |  | 0.3 |
|  | 1920 | $\begin{array}{llll}43 & 55 & 42\end{array}$ | 89 <br> 89 <br> 12 <br> 12 | Marquette... | 2.6 miles S. of Neshkoro, Marquette County......... | 1.8 |  | 1.4 | 1.2 |  |
| Wyoming. | 1880 |  |  | Carbon. | 4.7 miles S. by E. of Leo, Carbon County. |  |  |  |  |  |
|  | 1890 | $\begin{array}{llll}42 & 24 & 46\end{array}$ | 106836 | Carbon. | 12.3 miles NNW. of Shirley, Carbon County | i6. 3 | 16.1 |  | 2.4 |  |
|  | 1900 | $\begin{array}{llll}42 & 32 & 14\end{array}$ | $\begin{array}{llll}106 & 52 & 39\end{array}$ | Natrona | 7.8 miles ${ }^{\text {W }}$ W. by S. of Alcova, Natrona Coun | ${ }^{16.3}$ | 88.6 |  |  | ${ }_{6}^{13.4}$ |
|  | 1910 1920 | $\begin{array}{rrrr}42 & 42 & 0 \\ 42 & 48 & 58\end{array}$ | $\begin{array}{llll}107 & 0 & 7 \\ 106 & 54 & 38\end{array}$ | Natrona. | 10.3 miles NE. by E. of Oilcity, Natrona County..... | 12.9 9.2 | 11.2 8.0 |  | 4.6 |  |

## CENTER OF AREA.

In connection with the location of the center of population of the United States, it is of interest to note also the position of what may be termed the center of area-that is, the point on which the surface of continental United States would balance, if it were a plane of uniform weight per unit of area. This point is located in northern Kansas, 10 miles north of Smith Center, the county seat of Smith County, approximate latitude $39^{\circ} 55^{\prime}$, longitude $98^{\circ} 50^{\prime}$, and is, therefore, $44^{\prime} 39^{\prime \prime}$ ( 51.3 miles) north and $12^{\circ} 6^{\prime} 45^{\prime \prime}$ ( 647.4 miles) west of the center of population. Its location is shown on Plate No. 122 designating the position of the median lines. This would be the center of population, if the population were distributed evenly over the territory of continental United States.
The Geological Survey, Department of the Interior, has determined the center of area of each state as given in Table 10 and as shown on the map on Plate No. 138.

Table 10.-Geographic (Ienters of the States.

| state. | County. | Approximate location. |
| :---: | :---: | :---: |
| Alabama | Chi | 12 miles southwest of Clan |
| Arizona. | Yav | 45 miles southeast of Pr |
| Arkansa | Pulaski. | 12 miles northwest of Litule rock. |
| Connecticut | Hartfor | At East Berl |
| Delaware | Kent | 11 miles cast of Dover |
| District o |  | Near corner of 4th and L Streets, NW. |
| Florida | (itru | 12 miles north-northwest of Brook ville. |
| Georgia. | Twiggs | 18 miles southeast of Macon. |
| Idaho. | Custer. | At Custer. |
| Illinois | Logan. | 28 miles northeast of Springfield. |
| Indiana | Boon | 14 miles north-northwest of Indian- |
| Iowa. | Story | 5 miles northeast of Ames |
| Kansas. |  | 15 miles northeast of Great |
| Kentucky | Marion | 3 miles north-northwest of Inbanon. |
| Louisiana | A voyelles. | 3 milles sout heast of Mark |
| Maine | Piscataquis. | 18 miles north of Dover. |
| Maryland | Anne arunde | 3 miles east of Collington. |
| Massachuse | W orcest | Northers part of eity of Woreester. |
| Michigan. | Wexford. | 5 milos north-northwest of Cadil |
| Minneso | Crow Wing | 10 miles southwest of Brainerd |
| Mississip | Leake. | 9 miles west-northwest of Carthage. |
| Missour. | Miller | 20 miles southwest of Jefterson Cliy. |
| Montana | Fergus | 12 miles west of Lewiston. |
| Nebraska | Custer. | 10 miles northwest of Broken Bo |
| Nevada | Lander. | 24 miles southeast of Austin. |
| New Hampshi | Belknap | 3 miles cast of Ashland. |
| New Jersey |  | in miles southeast of Trenton. |
| New Mexico | T | 12 miles south-southwest of Willard. |
| New York | Madison | 6 miles sonth-southeast of Oneid |
| Xorth Carolina. | Chatham | 10 miles northwest of San |
| Sorth Dakot | Sheridan | 23 miles northeast of Washburn |
| Ohio | Delaware. | 25 miles north-northeast of Columbus. |
| Oklahoma | O | * miles north of Oklahoma City. |
| Oregon | Crook. | 2i) miles south-southeast of Prineville. |
| Pennsylvania |  | 21 miles southwest of Bellefont |
| Rhode Is | kent | 1 mile south-southwest of Crompton. |
| South Carolina | Richland | 13 miles southeast of Columbia. |
| South Dakota | Hughes | 8 miles northeast of Pierre. |
| Teunessee | Rutherford | 5 milles northeast of Murfreesboro. |
| Texas | McCulloch. | 20 miles northeast of Brady. |
| Ctah | Sanjeite | 3 miles north of Manti. |
| Vermon | Washington. | 3 miles east of Roxbury |
| Virginia | Appomatiox | 11 miles east-southeast of Amherst. |
| Washingt | Chelan | 10 miles west-southwest of Wepatchee. |
| West Vity | Braxton | 4 miles east of Sutton. |
| isconsi |  | 9 miles southeast of Marshfleld. |
| Wyoming | Fre | 5x miles east-northeast of Lander. |

## CENTER OF FOREIGN-BORN POPULATION.

The movement of the center of the total population from census to census is the result of all migration, both interstate and foreign. In view of the change in the character of the foreign immigration and the large proportion of immigrants who are settling in the cities, the location of the center of foreignborn population and its movement from decade to decade is a matter of great interest.
On the map on Plate No. 121 the center of total population at cach census from 1790 to 1920 is indicated, also the location of the center of the foreignborn population from 1880 to 1920. The location of the center of population and the median point were discussed on pages 7 to 13. At the census of 1910, the center of the foreign-born population was computed from 1880 to 1910, the center of this class of the population not having been worked at a previous census.

In 1880 the center of the foreign-born population was located in Monroe County, Mich., in latitude $41^{\circ}$ $49^{\prime} 52^{\prime \prime}$, longitude $83^{\circ} 44^{\prime} 17^{\prime \prime}$, approximately 15.5 miles northwest of Toledo, Ohio.

In 1890 the center had advanced almost $2^{\circ}$ to the west. The opening of Oklahoma and the increase in the population of Texas drew the point to the south, when it was located in latitude $41^{\circ} 22^{\prime} 5^{\prime \prime}$, longitude $85^{\circ} 23^{\prime} 17^{\prime \prime}$, in Noble County, Ind., approximately 54.5 miles southeast of South Bend.

The falling off in the class of immigrants who settled in the far Western states is indicated by the change in the direction of the movement from 1890 to 1900 , for in 1900 the center of the foreign-born population was located in Defiance County, Ohio, 18 miles northwest of Defiance, being in latitude $41^{\circ} 22^{\prime} 48^{\prime \prime}$, almost the same latitude as in 1890, and longitude $84^{\circ} 43^{\prime} 21^{\prime \prime}$, nearly a degree farther east. The eastern movement was due, as previously stated, to the newer immigration that settled principally in the large cities of the East.
In 1910 the center of foreign-born population was again located in Defiance County, Ohio, about 10.5 miles west of Defiance, in latitude $41^{\circ} 17^{\prime} 24^{\prime \prime}$, showing a decided movement south, and in longitude $84^{\circ} 36^{\prime} 7^{\prime \prime}$, showing a further advance toward the east, but not nearly as great as during the previous decade. This was undoubtedly due to the great increase in the foreign-born population of California, which, on account of its great distance from the center, has a much greater weight than an equal number of foreign-born in the Eastern and Middle states.

In 1920 the center of foreign-born population was located in latitude $41^{\circ} 3^{\prime} 45^{\prime \prime}$, longitude $84^{\circ} 49^{\prime} 17^{\prime \prime}$, in the eastern part of Allen County, Ind.. about
10.8 miles east of New Haven and 16 miles east of Fort Wayne. For the first time in three decades the center of foreign-born population showed a western movement. From 1890 to 1900 it moved 35.6 miles in a northeasterly direction, and from 1900 to 1910, 8.2 miles in a southeasterly direction. At the latter censuses the center was located in Defiance County, Ohio, but in 1920 it moved just across the state boundary line into Allen County, Ind. The center in 1880 was located in Monroe County, Mich.; and in 1890 in Noble County, Ind., so that in 30 years the center has returned to the state in which it was located in 1890.

The change in direction of the movement of this center from east to west is due principally to the increase in foreign-born white population in the state
of California. The total increase in the foreign-born white population of the United States was 367,209 and the increase in the states of Texas, California, and Arizona was 316,222 , or 86 per cent of the total increase. Of the 20 states showing an increase in this element of their population from 1910 to 1920,12 were located east of the meridian on which the center was located in 1920, and 7 were west, while 1 state, Michigan, is divided by the meridian. The states west of the meridian, however, had much greater increases in their foreign-born white population than the states east; the largest increases were in California, Michigan, and Texas.

The following table gives the center of foreign-born population at each census, and its movement in miles, also the location in relation to a city:

Table 11.-CENTER OF FOREIGN-BORN POPULATION: 1880 TO 1920.

| census year. | North latitude. | West Iongitude. | APPROXIMATE LOCATION BY important towns. | movement in miles during PRECEDING DECADE. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | From point to point in direct line. | Eastward. | Westward. | Northward. | Southward. |
|  |  | $\begin{array}{ccc}\circ & \prime & \prime \prime \\ 83 & 44 & 17\end{array}$ |  |  |  |  |  |  |
| 1890. | $\begin{array}{rrr}41 & 49 & 52 \\ 41 & 22 & 5\end{array}$ | $\begin{array}{llll}85 & 44 & 17 \\ 85 & 23 & 17\end{array}$ | In Noble County, ind. 54.5 miles southeast of South Bend, Ind. | 91.6 |  | 85.8 |  | 32.0 |
| 1900 | $\begin{array}{llll}41 & 22 & 48\end{array}$ | $\begin{array}{llll}84 & 43 & 21\end{array}$ | In Defiance County, Ohio, 18 miles northwest of Defiance, Ohio. | 35.6 | 34.6 |  | 8.2 |  |
| 1910 | $\begin{array}{llll}41 & 17 & 24\end{array}$ | $\begin{array}{llll}84 & 36 & 7\end{array}$ | In Defiance County, Ohio, 10.5 miles southwest of Defiance, Ohio. | 8.2 | 5.4 |  |  | 6.2 |
| 1920. | $\begin{array}{llll}41 & 3 & 45\end{array}$ | $\begin{array}{llll}84 & 49 & 17\end{array}$ | In Allen County, Ind., 10.8 miles east of New Haven, Ind....... | 18.9 |  | 11.5 |  | 15.0 |

## CENTER OF NEGRO POPULATION.

The question of negro migration has always been one of great interest and, on the map on Plate 121, the location of the center of negro population of continental United States is indicated. The center of negro population was computed for 1790 and for each census from 1880 to 1920 , no computations being made for the censuses from 1800 to 1870 , inclusive. The movement of the center of negro population is an accurate index of the direction of negro migration. In 1790 the center of negro population was located in Dinwiddie County, Va., 25 miles west-southwest of Petersburg, in latitude $37^{\circ} 4^{\prime} 8^{\prime \prime}$ north, and longitude $77^{\circ} 51^{\prime} 21^{\prime \prime}$ west. In 1880 the center was located in northwestern Georgia, 10.4 miles east of Lafayette, in the eastern part of Walker County, latitude $34^{\circ} 42^{\prime} 14^{\prime \prime}$ north, longitude $85^{\circ} 6^{\prime} 56^{\prime \prime}$ west. From 1880 to 1890 the southwesterly movement of the center was continued, and it advanced 20.1 miles, to a point in Walker County, Ga., 10.5 miles southwest of Lafayette, latitude $34^{\circ} 36^{\prime} 18^{\prime \prime}$ north, longitude $85^{\circ} 26^{\prime} 49^{\prime \prime}$ west, about 4 miles east of the Alabama line. In 100 years it had moved southwest 463 miles, an average of 46 miles for each decade. From 1890 to 1900 its movement was greatly retarded, and it advanced only
9.1 miles southwest, across the Alabama-Georgia state line into Dekalb County, Ala., 10.7 miles northeast of Fort Payne, in northeastern Alabama, about 4 miles west of the Georgia line, latitude $34^{\circ} 31^{\prime} 16^{\prime \prime}$ north, longitude $85^{\circ} 34^{\prime} 35^{\prime \prime}$ west. In 1910 the center of negro population was located $\tilde{\mathrm{a}} .4$ miles northnortheast of Fort Payne, Dekalb County, Ala., in latitude $34^{\circ} 30^{\prime} 0^{\prime \prime}$ north, and longitude $85^{\circ} 40^{\prime} 43^{\prime \prime}$ west, its movement for the decade being 6.0 miles west-southwest. Its movement south was evidently greatly retarded by the migration of the negroes to the Northern and Eastern states. A study of the movement from 1790 to 1910 shows a steady advance in a southwesterly direction, but the distance covered at each decade is much smaller than the movement at the previous decade. In 1920 it moved back across the state line into Georgia and was located in latitude $34^{\circ} 46^{\prime} 52^{\prime \prime}$, and longitude $85^{\circ} 30^{\prime} 48^{\prime \prime}$, the eastern movement being $9^{\prime} 55^{\prime \prime}$, or approximately 9.4 miles, and the northern movement being $16^{\prime} 52^{\prime \prime}$, or 19.4 miles. Its location was approximately 1.8 miles north-northeast of Rising Fawn town, Dade County, Ga. For the first time in the history of the country, the center of negro population has moved northeast, its former movements having been in a southwesterly direction; this northeasterly movement was due prin-
cipally to the great increase in the negro population of Massachusetts, Connecticut, New York, New Jersey, Pennsylvania, West Virginia, Ohio, Indiana, and Michigan. The total increase in the negro population of the United States was 635,368 , and it will be noted that the increase in the Northern states mentioned was 56 per cent of the total increase. This hegira north of the negro population was due mainly to the expansion of certain industries during the World War,
the high wages paid being the great attraction. It is probably true that this movement has been continued, due to the reduction of the cotton crop and the demand for common labor at higher wages in the North.

In the following table is given the latitude and longitude of the center of negro population at each census, also the distance moved during the decade, and the location of the center relative to a city or town:

Table 12.-(ENTER OF NEGRO PGPULATiON: 1790 AND 1880 TO 1920.

| census year. | North latitude. | West longitude. | approximate lecation by important towns. | MOVEMENT IN MILES DURING preceding decade. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | From point to point in direct line. | Eastward. | Westward. | Northward. | Southward. |
|  | - , " | - , ', |  |  |  |  |  |  |
| 1790. | 3748 | $\begin{array}{llll}77 & 51 & 21\end{array}$ | 25 miles west-southwest of Petersburg, Dinwiddie County, Va |  |  |  |  |  |
| 1880. | $\begin{array}{lll}34 & 42 & 14 \\ 34 & 36\end{array}$ | $\begin{array}{llll}85 & 6 & 56 \\ 85 & 66 & 49\end{array}$ | 10.4 miles east of Lafayette, Walker County, Ga................ | 1444.5 |  | 1413.5 |  | 1163.1 |
| 1890. | $\begin{array}{llll}34 & 36 & 18 \\ 34 & 31 & 16\end{array}$ | $\begin{array}{lll}85 & 26 & 49 \\ 85 & 34 & 35\end{array}$ | 10.5 miles southwest of Lafayette. Walker County, Ga.. | 20.1 |  | 18.9 |  | 6.8 5 |
| 1900. | $\begin{array}{lll}34 & 31 & 16 \\ 34 & 30 & 0\end{array}$ | $\begin{array}{lll}85 & 34 & 35 \\ 85 & 40 & 43\end{array}$ | 10.7 miles northeast of Fort Payne. Dekalb County, Ala....... | 9. 6.1 |  | 7.02 5.8 |  | 5.8 1.5 |
| 1920. | $\begin{array}{lll}34 & 46 & 52\end{array}$ | $85 \quad 30 \quad 48$ | 1.8 miles north-northeast of Rising Fawn, Dade County, Ga.. | 21.6 | 9.4 |  | 19.4 |  |

1 Movement from 1790 to 1850.

## CENTERS OF URBAN AND RURAL POPULATION.

On Plate 121, in addition to centers of total and foreign-born population, are indicated the locations of the centers of urban and rural population in 1910 and 1920 . As the centers of urban and rural population were not computed for previous censuses, no statement can be made as to the distance or direction in which these centers moved from 1900 to 1910 or during any previous decade. In 1910 not only was the center of urban population located, but the center of rural population was also ascertained-that is, the population excluding all places with 2,500 or more inhahitants in 1910, as well as the New Englaud towns of that size. The center of urban population was located in 1910 in latitude $40^{\circ} 16^{\prime} 12^{\prime \prime}$ and longitude $83^{\circ} 59^{\prime} 22^{\prime \prime}$, in Champaign County, Ohio, 15.3 miles northeast of Piqua, Miami County, Ohio. In 1920 the center of urban population was located in latitude $40^{\circ} 5^{\prime} 7^{\prime \prime}$ and longit ude $84^{\circ} 40^{\prime} 53^{\prime \prime}$, in Darke County, Ohio, 2.8 miles west-southwest of Greenville city.

In 1910 the center of rural population was located in latitude $38^{\circ} \cdot 12^{\prime} 36^{\prime \prime}$ and longitude $88^{\circ} 39^{\prime} 3^{\prime \prime}$, in IIamilton County, Ill., 16.7 miles southeast of Mount Vernon, Jefferson County, Ill. In 1920 the center of rural population was located in latitude $38^{\circ} 12^{\prime} 31^{\prime \prime}$
and longitude $88^{\circ} 49^{\prime} 22^{\prime \prime}$, in Jefferson County, Ill., 8.5 miles southeast of Mount Vernon.

The location of these centers shows strikingly the preponderance of urban population in the northeastern portion of the United States, the center of urban population in 1920 being approximately 129.5 miles north and 225.4 miles east of the center of rural population. In a direct line the center of urban population was 260 miles northeast from the center of rural population.

From 1910 to 1920 the center of urban population moved 12.7 miles south and 36.7 miles west. During the same period the center of rural population moved 0.1 of a mile south and 9.4 miles west. The greater west ward morement of the center of urban population is surprising, but it is probably due to the decrease in the number of immigrants, who usually settle in the eastern cities. The movement of the center of rural population west is significant as it is due to a decrease in the rural population of the east and a fair increase in the west. The increase in the rural population of the Mountain, Pacific, and West South Central divisions was the principal factor in the westward movement.

The latitude and longitude of these centers at each census, also the distance moved during the decade, and the location of the center relative to a city or town. are given in Tables 13 and 14.

Table 13.-CENTER OF URBAN POPULATION: 1910 AND 1920.

| CENSUS YEAR. | North latitude. | West Iongitude. | APPROXIMATE LOGATION BY TMPORTANT TOWNS. | Movement in miles during PRECEDING DEGADE. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | From point to point in direct line. | Westward. | Northward. | South ward. |
|  | - , " | - " |  |  |  |  |  |
| $1910 \ldots$ | $\begin{array}{rrr}40 & 16 & 12 \\ 40 & 5 & 7\end{array}$ | $83 \quad 59 \quad 22$ |  |  |  |  |  |
| 1920... |  | $84 \quad 40 \quad 53$ | 2.8 miles west-southwest of Greenville, Darke County, Ohio | 38.8 | 36.7 |  | 12.7 |

Table 14.-CENTER OF RURAL POPULATION: 1910 AND 1920.

| census year. | North latitude. | West longitude. | APPROXIMATE LOCATION BY IMPORTANT TOWNS. | MOVEMENT IN MILES DURING preceding decade. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\left\lvert\, \begin{gathered} \text { From } \\ \text { point to } \\ \text { point in } \\ \text { direct } \\ \text { line. } \end{gathered}\right.$ | Westward. | Northward. | Southward. |
|  | - , " | , " |  |  |  |  |  |
| 1910. | $\begin{array}{llll}38 & 12 & 36\end{array}$ | $\begin{array}{llll}88 & 39 & 3\end{array}$ | In Hamilton County, Hl ., 16.7 miles southeast of Mount Vernon, Jefferson County, Ill. |  |  |  |  |
| 1920.. | $\begin{array}{lll}38 & 12 & 31\end{array}$ | $\begin{array}{lll}88 & 49 & 22\end{array}$ | 8.5 miles southeast of Mount Vernon, Jefferson County, Ill........... | 9.4 | 9.4 |  | 0.1 |

## CENTERS OF AGRICULTURE.

The map on Plate 137 shows the location of center of population from 1790 to 1920 , and the centers of the number of farms, total area in farms, improved acreage, farm values, agricultural products, and manufactures, from 1850 to 1920 , and may be designated as a chart of the progress of the Nation, representing, as it does, the westward movement of population, agriculture, and manufactures.

## CENTER OF NUMBER OF FARMS.

The center of the number of farms in 1850 was located on the Ohio River, between Ohio and the present state of West Virginia, at nearly the same point as the center of corn production. From this position the center of the number of farms moved 116.8 miles in a northwesterly direction, and in 1860 reached a point 13 miles southeast of Xenia, Ohio. From 1860 to 1870 the center advanced 20.8 miles almost directly south to a position in Brown County, 31 miles east-northeast of Cincinnati, Ohio. From 1870 to 1880 the distance covered was 36.7 miles in a southwesterly direction across the Ohio River into Kentucky to a point 20 miles south by east of Newport. From 1880 to 1890 its progress of 100.1 miles was nearly due west into Indiana. From 1890 to 1900 it moved in a southwesterly direction 109.4 miles to a point 10 miles southeast of Fairfield, Wayne County, Ill. From 1900 to 1910 the center moved west-southwest 43.2 miles to a point 6.6 miles north-northwest of Benton, Franklin County, Ill. From 1910 to 1920 the southwestern movement was continued and the center advanced 25.9 miles and was located 4.2 miles southwest of Pinckneyville, Perry County, Ill.

## CENTER OF TOTAL FARM AREA.

The center of the number of acres of farm land, or total area in farms, in 1850 was located in Owsley County, Ky., the farthest south of any center shown on the map except the center of cotton production. From 1850 to 1870 it moved to a point 55 miles east by north of Evansville, Ind. From 1870 to 1880 it advanced in a westerly direction to a position 7.3 miles northeast of Carmi, Ill. From 1880 to 1890 it moved northwest across the state of Illinois to a point 6 miles north by west of Alton, Ill., its next movement being southwest to a location about 48 miles southwest of Jefferson City, Mo. The center of total farm area has not been computed since 1900 .

## CENTER OF IMPROVED ACREAGE.

The center of improved acreage was first computed in 1900 when it was located in Pike County, Ill., 14 miles southeast by south of Pittsfield, in Pike County, Ill. From 1900 to 1910 it moved 65.1 miles, almost directly west to a point 9.2 miles east-northeast of Paris, Monroe County, Mo. From 1910 to 1920 its movement was northwest 47.8 miles to a point 3.8 miles south-southwest of New Cambria, Macon County, Mo.

## CENTER OF VALUE OF PARM PROPERTY.

The center of the value of farm property, which in 1850 was located 13 miles northwest of Clarksburg, in the present state of West Virginia, in 1860 had advanced south and west to a point 14 miles northwest of Portsmouth, Ohio. From 1860 to 1870 its movement was northwest to a position 13 miles northwest of Urbana, Ohio. From 1870 to 1900 it moved west
in a straight line across Indiana and Illinois to a point in Cass County, 16 miles north-northwest of Jacksonville, Morgan County, Ill. Its greatest westward movement, and the greatest advance made for any decade, approximately 175 miles, was from 1880 to 1890 .

The center of value of farm property advanced, from 1900 to $1910,103.6$ miles directly west and was located 14 miles south-southwest of Edina, Knox County, Mo. This is not as great an advance as from 1880 to 1890 , nor from 1850 to 1860 , but is the third largest western advance it has made. From 1910 to 1920 it advanced 45.1 miles in a westerly direction to a point 3.6 miles northeast of Linneus, Linn County, Mo.

## CENTER OF PRODUCTION OF CEREALS.

The center of cereals, comprising corn, wheat, oats, barley, buckwheat, and rye, was first computed in 1900 when it was located 6 miles south of Warsaw, in Hancock County, Ill. From 1900 to 1910 it moved 28.6 miles north-northwest to a point 19.1 miles west of Fort Madison, in Lee County, Iowa. From 1910 to 1920 it moved 46.6 miles southwest to a point 4 miles south of Edina, in Knox County, Mo.

## CENTER OF CORN PRODUCTION,

The center of corn production has moved in a westerly direction, but more rapidly than the center of population, as from 1850 to 1860 it moved south of west 271.7 miles, the distance traversed being greater than the entiro western movement of the center of population from 1850 to 1900 . Its movement from 1860 to 1870 and from 1870 to 1880 was almost directly northwest. From 1880 to 1890 it advanced south of west to a point 2 miles southwest of Carrollton, Ill. The movement from 1890 to 1900 was so slight that it could hardly be indicated on the map, being only $17^{\prime \prime}$ west and $2^{\prime} 36^{\prime \prime}$ north. The center of corn production was not computed in 1910, but
from 1900 to 1920 it moved almost directly east to a point 2.8 miles southeast of Hettick, Macoupin County, Ill.; the movement was only 24.9 miles.

## CENTER OF WHEAT PRODUCTION.

The center of wheat production has made a greater western and northern movement than any other center, as will be noted from its location in 1900. Its greatest southern advance was made from 1880 to 1890, and its greatest northern movement from 1890 to 1900 . The center of wheat production was not computed in 1910, but from 1900 to 1920 it mored in a southwesterly direction 81.7 miles, to a point 3.2 miles east of Hamburg, Fremont County, Iowa.

## CENTER OF OATS PRODUCTION.

The other agricultural centers have moved in various erratic courses, but always in a general westerly direction, except the center of oats production, which from 1850 to 1860 moved north and east. From 1860 to 1890 the center of oats production moved almost due west along the forty-first parallel of latitude. From 1890 to 1900 its course was northwest to a point 8 miles west of south of Tipton, Iowa. Its greatest movement was from 1860 to 1870, approximately 244 miles. As the center of oats production was not computed in 1910, the movement is given from 1900 to 1920. At the latter date it was located 3.7 miles, north-northwest of Hedrick, Keokuk County, Iowa, a morement of 69.8 miles. Since 1900 the general direction of the morement has been southwest.

The morements of the centers of the number of farms, value of farm property, area in farms, and of oats, corn, and wheat production, as indicated on the map, are widely divergent.

The latitude and longitude of these centers at each census, also the distance mored during the decade, and the location of the center relative to a city or town, are given in Table 15.

Table 15.-POSITIONS OF THE CENTERS OF AGRICULTURE: 1850 TO 1920.

| census year. | North latitude. | West longitude. | approximate location by important towns. | MOVEMENT $\mathbb{N}$ mites dURING preceding decade. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Eastward. | Westward. | $\begin{aligned} & \text { North- } \\ & \text { ward. } \end{aligned}$ | South |
| 1850. | $\circ$ $\prime$ $\prime \prime$ <br> 39 14 54 <br> 39 29 38 <br> 39 11 48 <br> 38 48 30 <br> 38 38 21 <br> 38 17 0 <br> 38 4 12 <br> 38 1 41 |  | NOMBER OF FARMS. |  |  |  |  |  |
|  |  |  | 10 miles eastsoutheast of Athens, in Athens County, Ohio........ | 116.8 |  | i15.6 ${ }^{\text {a }}$ - 16.9 |  |  |
| 1860 |  |  |  |  |  |  |  |  |
| 1870. |  |  | ( 31 miles east-northeast of Cincinnati, in Brown County, ohio........ | ${ }^{20.8}$ |  |  |  | 20.5 |
| 1890 |  |  | 20 miles south by east of Newport, in Kenton County, Ky ............ | 100.1 |  | ${ }_{99} 4$ |  | 11.7 |
| 1900 |  |  | 10 miles southeast of Fairfield, in Wayne County, $111 . . . . . . . . . . . . .$. | 109.4 |  | 106.6 |  | 24.5 |
| 1910. |  |  | 6.6 miles north-northwest of Benton, in Franklin County, il..........4.2 miles southwest of Pinckneyville, in Perry County, Ill........ | 43.2 |  | 40.6 |  | 14.7 |
| 1920. |  |  |  | 25.9 |  | 25.7 |  | 2.9 |
|  |  |  | TOTAL AREA IN FARMS. |  |  |  |  |  |
| 1850. | $\begin{array}{rrrr}37 & 26 & 20 \\ 37 & 41 & 1 \\ 38 & 5 & 19 \\ 38 & 8 & 28 \\ 38 & 58 & 22 \\ 38 & 11 & 36\end{array}$ | 833622 | 4.5 miles southeast of Booneville, in O wsley County, Ky .... |  |  |  |  |  |
| 1860. |  | 85 |  | 127.3 |  | 126.2 | 16.9 |  |
| 1878. |  | 86 34 17 <br> 88 2  | 55 miles east by north of Evansvile, in Perry County, Ind............. | 88.2 |  | 26.1 | 27.9 |  |
| 1890. |  | $\begin{array}{llll}98 & 11 & 4 \\ 9\end{array}$ | 6 miles north by west of Alton, in Madison County, III.............. | 129.2 |  | 115.8 | 57.4 |  |
| 1900................ |  | 925019 |  | 153.6 |  | 143.9 |  | 53.8 |
|  |  |  | IMPROVED ACREAGE. |  |  |  |  |  |
| 1900. | 39 26 20 <br> 39 31 12 <br> 39 38  | $\begin{array}{lll} 90 & 39 & 20 \\ 91 & 52 & 13 \\ 90 & 1= \end{array}$ | 14 miles southeast by south of Pittsfield, in Pike County, Ill......... 9.2 miles east-northeast of Paris, in Monroe County, Mo. |  |  | 64.9 | 5.6 |  |
| 1910. |  |  |  | -6.1. |  |  |  |  |  |
| 1920. | $\begin{array}{llll}39 & 38 & 21\end{array}$ | $\begin{array}{lll}92 & 45 & 11\end{array}$ | 9.2 miles east-northeast of Paris, in Monroe County, Mo. <br> 3.8 miles south-southwest of New Cambria, in Macon County, Mo <br> VALUE OF FARM PROPERTY. | 47.8 |  | 47.1 | 8.2 |  |
| 1850. | $\begin{array}{lll}39 & 25 & 53 \\ 38 & 55 & 39\end{array}$ | $\begin{array}{llll}80 & 28 & 33\end{array}$ |  |  |  |  |  |  |
| 1860 |  | ${ }_{83}^{83} 13139$ | 13 miles northwest of Clarksburg, in Harrison County, W. Va.. | 152.3 |  | 148.3 |  | 34.8 |
| 1870. | $\begin{array}{lll}40 & 15 & 2\end{array}$ | $\begin{array}{llll}83 & 51 & 8\end{array}$ | 13 miles northwest of Urbana, in Champaign Courty, Ohio.. | 97.1 |  | 33.0 | 91.3 |  |
| 1880 | $\begin{array}{lll}40 & 8 & 26\end{array}$ | $\begin{array}{llll}85 & 44 & 46\end{array}$ |  | 100.5 |  | 1100.3 |  | 7.6 |
| 18900. | 39 58 4 <br> 39 57 48 <br> 9 57  | $\begin{array}{lll}89 & 2 & 15 \\ 90 & 21 & 35\end{array}$ | 33 miles northeast of Indianapolis, in Madison County, Ind 34 miles east-northeast of Springfield, in Macon County, III | 175.1 |  | 174.7 |  | 11.9 |
| 1920............... | $\begin{array}{llll}39 & 57 & 0\end{array}$ | 92989 118 | 14 miles south-southwest of Edina, in Knox County, Mo. 3.6 miles northeast of Linneus, in Linn County, Mo. | 103.6 |  | ${ }_{45.1}^{10.6}$ | $\ldots$ | 0.91.8 |
|  | $\begin{array}{llll}39 & 55 & 24\end{array}$ |  |  | 45.1 |  |  |  |  |
|  |  |  | GROSS PARM INCOME. |  |  |  |  |  |
| 1900. | 391847 | $\begin{array}{lll}90 & 33 & 10\end{array}$ | 8 miles west by north of Carrollton, in Greene County, III............. PRODUCTION OF CEREALS. |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1900. | $\begin{array}{llll}40 & 16 & 13 \\ 40 & 37 & 48 \\ 40 & 3 & 53\end{array}$ | $\begin{array}{lll}91 & 25 & 10 \\ 91 & 41 \\ 92 & 36\end{array}$ | 6 miles south of Warsaw, in Hancock County, III..19.1 miles west of Fort Madison, in Lee County, Iow |  |  |  |  |  |
| 1910. |  |  |  | 28.646.6 |  | 14.425.6 | 24.8 | 39.6 |
| 1920. |  | $\begin{array}{lll}92 & 10 & 37\end{array}$ | 4 miles south of Edina, in Knox County, Mo. |  |  |  |  |  |
|  |  |  | PRODUCTION OF CORN. |  |  |  |  |  |
| 1850. | $\begin{array}{lll}39 & 7 & 0\end{array}$ | 8147 | 86 miles east-southeast of Columbus, in Meigs County, Ohio. |  | . | 258.5 |  |  |
| 1860. | $\begin{array}{lll}38 & 1 & 54\end{array}$ | $86 \quad 294$ |  | 271.7 |  |  | $\cdots$ …i. 83.9 |  |
| 1870. | $\begin{array}{llll}38 & 47 & 13 \\ 39 & \end{array}$ |  | 90.5 miles southwest of Indianapolis, in Daviess County, Ind........ | 66. 1 |  | 40.7 |  |  |
| 1880 | $\begin{array}{lll}39 & 28 & 12 \\ 39 & 16 & 7\end{array}$ | $\begin{array}{ccc}87 & 14 & 15 \\ 89 & 7 & 43\end{array}$ | 36 miles southeast of Springfield, in Christian County, 11 . 2 miles southwest of Carrollton, in Greene County Il , | 111.5 |  | 101.1 | 47.1 |  |
| 1890. | $\begin{array}{llll}39 & 16 & 57 \\ 39 & 19 & 33 \\ 3 & 2 & \end{array}$ | $\begin{array}{llll}90 & 26 & 49\end{array}$ |  | 3.013324.9 |  | 70.70.3 |  | 12.9 |
| 1900 |  | $\begin{array}{cc}90 & 27 \\ 89 & 27 \\ 89 & 12\end{array}$ | 2 miles southwest of Carroliton, in Greene County, M , ii. ................. |  |  |  |  | .... |
| 1920. | $\begin{array}{llll}39 & 20 & 33\end{array}$ |  | PRODUCTION OF WHEAT. |  |  |  | ${ }^{1} 1.1$ |  |
|  |  |  |  | ${ }^{1} 24.9$ | $\bigcirc 124.9$ |  |  |  |
| 1850. |  |  | 57 miles east-northeast of Columbus, in Coshocton County, Ohio.. | 215.3 |  |  |  | 16.5 |
| 1860 | $\begin{array}{llll}39 & 59 & 59\end{array}$ | ${ }_{86}^{86} 1138$ |  |  |  | 214.70 | 45.2 |  |
| 1870 | $\begin{array}{llll}30 & 39 & 17\end{array}$ | $\begin{array}{llll}88 & 48 & 40\end{array}$ | 74 miles northeast of Springfield, in Mclean County, $11 . .$. | 153.1 |  | 146.3 |  |  |
| 18880 | $\begin{array}{llll}40 & 36 & 14 \\ 39 & 33 & 53\end{array}$ | 900 30 <br> 93 46 <br> 93 98 <br> 18  | 69 miles northwest of Springfield, in McDonough County, III. 10 miles north by west of Brunswick, in Chariton County, Mo... | 89.6 |  | 89.5 |  |  |
| ${ }_{1900} 189$. |  |  |  | ${ }^{1052.6}$ | ........ | 138.495.01 |  | 71.7 |
| 1900. |  | $\begin{array}{ccc}93 & 9 & 18 \\ 94 & 59 & 23 \\ 95 & 42 & 39\end{array}$ | 10 miles north by west of Brunswick, in Chariton County, Mo......... |  |  |  | $\cdots 14.2$ |  |
|  |  |  |  |  |  | $137.9$ | 14.2 | 1724 |
|  |  |  |  |  |  | 181.7 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 1860 | $\begin{array}{crrr}39 & 43 & 22 \\ 41 & 0 & 38 \\ 40 & 59 & 13 \\ 40 & 2 & 43 \\ 41 & 10 & 43 \\ 41 & 39 & 15 \\ 41 & 12 & 15 \\ & & \end{array}$ | $\begin{array}{ccc}81 & 35 & 29 \\ 81 & 2 & 5 \\ 85 & 2 & 5 \\ 87 & 13 & 37 \\ 89 & 46 & 52 \\ 91 & 8 & 11 \\ 92 & 20 & 11 \\ & 20 & 21\end{array}$ | 80 miles east-southeast of Columbus, in Noble County Ohio....... | 93.3 |  | 29.1 | $\cdots$ | 88.6 |  |
| 1870. |  |  | 30 miles west by south of Fort Wayne, in Wabash County, Ind.. 6 miles northwest of Rensselaer, in Jasper County, Ind | $\begin{array}{r}24.0 \\ 79.2 \\ \\ \\ \\ \hline\end{array}$ | $\cdots{ }^{0.3}$ |  |  |  |  |
| 1880 |  |  |  |  |  | 24.0 |  | $\begin{array}{r}\because \ldots . . \\ \hdashline 308\end{array}$ |  |
| 1890 1900 |  |  | 39 miles north-northeast of Peoria, in Stark County, Ill... | 133.3 |  |  | 4.232.6 |  |  |
| 1900. |  |  | 8 miles west of south of Tipton, in Cedar County, Iowa................ 3.7 miles north-northwest of Hedrick, in Keokuk County, Iowa......... | 77.3 1698 |  | ${ }^{1} 62.7$ |  |  |  |
|  |  |  |  | ${ }^{1} 69.8$ |  |  |  | ${ }^{130.8}$ |  |

4 Movement from 1900 to 1920.

## CENTER OF COTTON PRODUCTION.

The location of the center of cotton production is indicated in Table 16 and on the map, Plate No. 137, for the years $1859,1879,1899,1906,1910,1914$, 1916, 1918, and 1919. The center in 1879 showed a movement almost directly north from that of 1859. From 1879 to 1906 the movement was in a southwesterly direction, but since 1906 the movement has been very irregular. In 1910 it moved northeast; in 1914 the movement was almost reversed and it moved directly south; from 1914 to 1916 it moved in a northwesterly direction; from 1916 to 1918 it moved directly east, to a point almost 20 miles west of its location in 1879 ; from 1918 to 1919 it again moved northwest about 75 miles, to a point 5.6 miles northeast of Greenwood, Leflore County, Miss., the highest northern latitude since 1859 , when it was located in the eastern part of Mississippi, near the Alabama line.

It will be noted that all of these centers are in the state of Mississippi, and have practically crossed the state from its eastern to its western boundary. It is undoubtedly due to the destruction caused by the boll weevil that the center of cotton in 1919 was located so much farther north than its location in 1859 or in any subsequent year.

Tabie 16.-Position of the Center of Cotton Production.

| CENSUS YEAR. ${ }^{\text {a }}$ | Approximate location by important lowns. |
| :---: | :---: |
| 1859. | 13 miles southeast of Macon, in Noxubee County, Miss. |
| 189. | 11 miles south of Columbus, in Lowndes County, Miss. |
|  | $1: 3$ miles southeast of Lexington, in Holmes County, Miss. |
| 1906. | 5 miles northeast of Mayersville, in Issaguena County, Miss. |
| 1910. | , 3 miles southwest of Vaiden, in Carroll County, Miss. |
| 1914. | 1 mile northwest of Sharpsburg, in Madison County, Miss. |
| 1916. | 16 miles southeast of Arcola, in Washington County, Miss. |
| 1918. | 6 miles southeast of Sturgis, in Oktibbeha County, Miss. |
| 1919. | 5.6 miles northeast of Greenwood, in Leflore County, Miss. |

## CENTER OF MANUFACTURES.

In order to ascertain the position of the center of manufactures at each census from 1850 to 1920 , except in 1910, as shown on page 24 , the gross value of products was distributed by square degrees, and the remainder of the computations made as in computing the center of population. The center of manufactures, therefore, is really the center of the value of its gross products, and, as the value of products is representative of the industry, so the movement of the center of manufactures, during each decade, can be considered as the movement of the entire industry. On Plate 137 is a sketch map on which is indicated, by symbols, the location of the center of manufactures at each census from 1850 to 1900 and 1920 , and
the center of population from 1790 to 1920 , bringing out clearly the steady westward movement of both manufactures and population.

The center of manufactures in 1850 was in Pennsylvania, 7.5 miles north by west of Mifflintown, and the center of population at the same census was located 23 miles southeast of Parkersburg, in the present state of West Virginia, 240 miles southwest of the center of manufactures. In 1860 the center of population had adranced 80.6 miles nearly due west, while the center of manufactures had moved in a westerly direction 100.2 miles. From 1860 to 1870 the center of population moved 44.1 miles north of west, while the center of manufactures moved slightly west of north 17.4 miles. From 1870 to 1880 the center of population moved south and west 58.1 miles, while the center of manufactures moved north and west 23.7 miles. From 1880 to 1890 the center of population moved slightly north of west 48.6 miles, while the center of manufactures moved south of west nearly twice that distance. From 1890 to 1900 the center of population moved almost due west 14.6 miles, and the center of manufactures in a line almost parallel nearly 40 miles, or over twice the westward movement of the center of population. In general, the center of manufactures has followed the center of population in its westward movement, but not always along parallel lines, the greatest variations noted being from 1860 to 1870 and 1870 to 1880 . From 1850 to 1860,1880 to 1890 , and 1890 to 1900, the center of manufactures made a greater western advance than the center of population.

The value of products of manufactures was not tabulated by counties at the census of 1910 , therefore, it was impossible to compute the center for that census. In 1920 the center of manufactures was located in latitude $40^{\circ} 28^{\prime} 13^{\prime \prime}$ and longitude $83^{\circ} 40^{\prime} 0^{\prime \prime}, 0.7$ of a mile north of Rushsylvania, Logan County, Ohio. The point was, therefore, located 71.9 miles west and 9.6 miles south of the center of manufactures in 1900 . Is the center of population progressed but 48.6 miles west, from 1900 to 1920 , and the center of manufactures 71.9 miles west, the center of manufactures made a greater western advance than the center of population, due principally to the great increase in the value of products of manufactures in the Pacific Coast states in 1920, as compared with 1900. The movement of the center of manufactures from 1850 to 1920 was 329.2 miles, while the movement of the center of population during the same period was 290.2 miles, indicating that the movements of manufactures and population are closely related. In 1920 the latitude
of the center of manufactures was $1^{\circ} 17^{\prime} 52^{\prime \prime}$ north of the center of population, approximately 89.5 miles, and east $3^{\circ} 3^{\prime} 15^{\prime \prime}$, or 162.5 miles.

In order to show the relation between the total value of products and the number of wage earners the center of the number of wage earners was computed for the first time in 1920, and was located at latitude $40^{\circ} 22^{\prime} 48^{\prime \prime}$ and longitude $82^{\circ} 39^{\prime} 32^{\prime \prime}, 1^{\circ} 0^{\prime} 28^{\prime \prime}$, or
53.2 miles east, and $5^{\prime} 25^{\prime \prime}$, or 6.2 miles, south of the center of the total value of products.

The latitude and longitude of these centers, and the location of each center relative to a city or town, at each census, are given in Table 17, as well as the distance that the center of the value of products moved from census to census.

Table 17.—POSITIONS OF THE CENTERS OF MANUFACTURES: 1850 TO 1900 AND 1920.

| census year. | North latitude. | West longitude. | approximate loration by important towns. | MOVEMENT IN MLLES DURING preceding decade. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\left\lvert\, \begin{gathered} \text { From } \\ \text { point to } \\ \text { point in } \\ \text { direct } \\ \text { line. } \end{gathered}\right.$ | Westward. | Northward. | South- ward |
|  | , " | - , " | VALUE OF PRODUCTS. |  |  |  |  |
| 1850 | $\begin{array}{llll}40 & 41 & 42\end{array}$ | $\begin{array}{lll}77 & 25 & 9\end{array}$ | 7.5 miles north by west of Mifflintown, Pa --- |  |  |  |  |
|  | $\begin{array}{llll}40 & 33 & 1 \\ 40 & 47 & 13\end{array}$ | $\begin{array}{lll}79 & 18 & 50 \\ 79 & 25 & 58\end{array}$ | 51/2 miles west, $61 / 2$ miles south of Indiana, Pa . | 100.2 17.4 | ${ }^{99.7}$ | 16.3 | 10.0 |
| 1880 | 40 40 13 <br> 40   | $\begin{array}{llll}79 & 53 & 0\end{array}$ | 2 miles east, 2 miles south of Butler, $\mathrm{Pa}^{\text {a }}$. | 23. 7 | 23. 6 | 2.4 |  |
| 1890 | $\begin{array}{llll}40 & 42 & 22\end{array}$ | $\begin{array}{llll}81 & 33 & 37\end{array}$ | $81 / 2$ miles west, 7 miles south of Canton, Ohio. | 88.4 | 88.0 |  | 9.0 |
| 1900 | $\begin{array}{llll}40 & 36 & 36\end{array}$ | 82187 | 3 miles southwest of Loudonville, Ohio.- | 39.4 | 39.0 |  | 5.8 |
| 1920.. | $\begin{array}{llll}40 & 28 & 13\end{array}$ | $\begin{array}{llll}83 & 40 & 0\end{array}$ | 0.7 mile north of Rushsylvania, Logan County, Ohio. <br> AVERAGE NUMBER OF WAGE EARNERS. | 172.5 | ${ }^{171.9}$ |  | 19.6 |
| 1920... | $40 \quad 22 \quad 48$ | $\begin{array}{llll}82 & 39 & 32\end{array}$ | 2.4 miles southeast of Sparta, Morrow County, Ohio |  |  |  |  |

${ }^{1}$ Movement from 1900 to 1920.

## POPULATION

plates 1-238

Х_-

## POPULATION.

## Plate

Title.
1 United States, original area and acquisitions of territory: 1790-1920 (map)
2 Geographic divisions: 1920 (map).
3 Rural population per square mile, by counties: 1920 (map).
4 Rural population per square mile, by counties: 1910 (map).
5 Per cent of increase or decrease in total population, by counties: 1910-1920 (map).
6 Per cent of increase or decrease in total population, by counties: 1900-1910 (map).

1. Per cent of increase or decrease in total population, by states: 1910-1920 (map).
2. Per cent of increase or decrease in total population, by states: 1900-1910 (map).
3. Per cent of increase or decrease in total population, by states: 1890-1900 (map).
4. Per cent of increase or decrease in total population, by states: 1880-1890 (map).
(1. Total population, by geographic divisions: 1920 and 1910.
5. Distribution of the per cent of increase in total population, by geographic divisions: 1910-1920 and 19001910.

9
3. Increase in population, by geographic divisions: 19101920.
4. Per cent of increase in total population of the United States and each geographic division: 1910-1920 and 1900-1910.

1. Growth of population in area enumerated in 1790, with growth in remainder of country: 1790-1920.
10
2. Comparison of rate of increase in total population with rate of change of immigration: 1850-1920.
3. Counties in which population decreased: 1910-1920 (map).
4. Counties in which population decreased: 1880-1920 (map).
5. Total population, by states: 1920 and 1910.
$12\{$ 2. Per cent of increase in total population, by states: 1910-1920 and 1900-1910.
Per cent of increase or decrease in population, by counties: 1910-1920 (maps) -
13 Alabama (total and rural).
14 Arizona (total and rural).
15 Arkansas (total and rural)
16 California (total and rural).
17 Colorado (total and rural).
18 Connecticut (total and rural).
19 Delaware (total and rural).
20 District of Columbia (total 1900-1910 and 1910-1920).
21 Florida (total and rural).
22 Georgia (total and rural).
23 Idaho (total and rural).
24 Illinois (total and rural).
25 Indiana (total and rural)
26 Iowa (total and rural).
27 Kansas (total and rural).
28 Kentucky (total and rural).
29 Louisiana (total and rural).
30 Maine (total and rural).
31 Maryland (total and rural).

Platz
No.
(Massachusetts (total).
32
Rhode Island (total)
33 Michigan (total and rural).
34 Minnesota (total and rural).
35 Mississippi (total and rural).
36 Missouri (total and rural).
37 Montana (total and rural).
38 Nebraska (total and rural)
39 Nevada (total and rural).
40 New Jersey (total and rural).
41 New Mexico (total and rural).
42 New York (total and rural).
43 North Carolina (total and rural).
44 North Dakota (total and rural).
45 Ohio (total and rural).
46 Oklahoma (total and rural).
47 Oregon (total and rural).
48 Pennsylvania (total and rural).
49 South Carolina (total and rural).
50 South Dakota (total and rural).
51 Tennessee (total and rural).
52 Texas (total).
53 Texas (rural).
54 Utah (total and rural).
55 Vermont (total and rural).
56 Virginia (total and rural).
57 Washington (total and rural).
58 West Virginia (total and rural).
59 Wisconsin (total and rural).
60 Wyoming (total and rural).
61 Alaska, judicial districts: 1920 (map).
62 Per cent of increase or decrease in population of Hawaii (total), by counties: 1910-1920 (map)
63 Per cent of increase or decrease in population of Porto
Rico (total), by municipalities: 1910-1920 (map).
Towns (shaded) showing decrease: 1910-1920 (maps)-
64 Maine
$65\left\{\begin{array}{l}\text { Vermont. } \\ \text { New Hampshire }\end{array}\right.$
Increase or decrease in population of counties: 1900-1920 (maps) -
(Nevada.
66
Missouri.
Mississippi.
$67\left\{\begin{array}{l}\text { Melawa } \\ \text { Maine. }\end{array}\right.$
Vermont.
(New Hampshire.
68 Population per square mile, by counties: 1920 (map).
69 Population per square mile, by counties: 1910 (map).
$70\left\{\begin{array}{c}\text { 1. Population per square mile, by states: } \\ 1920 \text { (map). } \\ \text { 2. Population per square mile, by states: } \\ 1910 \text { (map). }\end{array}\right.$

Plate
No.
Tifle.
\{1. Population per square mile, by states: 1900 (map) 2. Population per square mile, by states. 1800 (map) Density of population, by counties: 1920 (maps)-
72 Alabama (total and rural)
73 Arizona (total and rural).
74 Arkansas (total and rural).
75 California (total and rural).
76 Colorado (total and rural).
77 Connecticut (total and rural).
78 Delaware (total and rural).
79 Florida (total and rural).
80 Georgia (total and rural).
81 Idaho (total and rural).
82 Illinois (total and rural).
83 Indiana (total and rural).
84 Iowa (total and rural).
85 Kansas (total and rural).
86 Kentucky (total and rural).
87 Louisiana (total and rural).
88 Maine (total and rural).
89 Maryland (total and rural).." Massachusetts (total).
90 New Hampshire (total). Rhode Island (total).
91 Michigan (total and rural).
92 Minnesota (total and rural).
93 Mississippi (total and rural).
94 Missouri (total and rural).
95 Montana (total and rural).
96 Nebraska (total and rural).
97 Nevada (total and rural).
98 New Jersey (total and rural).
99 New Mexico (total and rural).
100 New York (total and rural).
101 North Carolina (total and rural)
102 North Dakota (total and rural).
103 Ohio (total and rural).
104 Oklahoma (total and rural).
105 Oregon (total and rural).
106 Pennsylvania (total and rural).
107 South Carolina (total and rural).
108 South Dakota (total and rural).
109 Tennessee (tota ${ }^{1}$ and rural).
110 Texas (total).
111 Texas (rural).
112 Vtah (total and rural).
113 Vermont (total and rural).
114 Virginia (total and rural).
115 Washington (total and rural).
116 West Virginia (total and rural).
117 Wisconsin (total and rural).
118 Wyoming (total and rural).
119 Hawaii (total).
120 Center of population: January 1, 1920 (map).
121 Center of total, native white, foreign-born, negro, urban, and rural population (map).
122 Center of population, center of area, and median lines, 1920, and median point, 1880-1920 (map).
Centers of population: 1880-1920 (maps)-
123 Alabama, Arkansas, and Arizona.
124 California.
125 Colorado, Connecticut, Delaware, District of Columbia, Georgia, and Florida.
126 Idaho and Illinois.
127 Indiana and Iowa.

Plate
No.
128 Kansas, Maine, Kentucky, Maryland, Louisiana, and Massachusetts.
129 Michigan and Minnesota.
130 Mississippi, Missouri, and Montana.
131 Nebraska and Nevada.
132 New Hampshire, New Jersey, and New York.
133 New Mexico, North Carolina, North Dakota, Ohio, Oklahoma, and Oregon.
134 Pennsylvania, South Dakota, Rhode Island, and South Carolina.
135 Texas, Tennessee, Utah, Virginia, and Vermont.
136 Washington, West Virginia, Wisconsin, and Wyoming.
137 Centers of population from 1790 to 1920 and centers of farms, agricultural products, and manufactures from 1850 to 1920 (map).
138 Geographic centers (map)

1. Population per square mile: 1790-1920.
2. Per cent of increase in total, total white, and negro population: 1790-1920, and per cent of increase in native white, 1850-1920.
3. Population per square mile, by states: 1920 and 1910.
4. Per cent urban in total population, by states: 1920 and 1910.
5. Per cent urban in total population, by states: 1920 (map).
$140\{2$. Per cent urban in total population, by states: 1910 (map).
6. Per cent urban in total population, by states: 1900 (map).
7. Per cent urban in total population, by states: 1890 (map).
142 Per cent urban in total population, by states : 1890-1920.
(1. Urban and rural population: 1880-1920.
8. Increase in urban population, by classes of cities: 1890-1920.
9. Population of cities having, in $1920,100,000$ inhabitants or more: 1920 and 1910.
10. Population in places of 8,000 inhabitants or more at each census: 1790-1920.
11. Color or race, nativity, and parentage, by divisions: 1920,1910 , and 1900.
12. Per cent of increase in population of territory urban in 1920, by states: 1910-1920 (map).
$144\{$ 2. Per cent of increase in population of territory urban in 1910, by states: 1900-1910 (map).
13. Per cent of increase in population of territory rural in
$145\left\{\begin{array}{l}\text { 1920, by states: 1910-1920 (map). } \\ \text { 2. Per cent of increase in population of territory rural in }\end{array}\right.$ 1910, by states. 1900-1910 (map).
146 Total population of great cities at each census: 1790-1920.
14. Per cent of native white of native parentage in white population, by states: 1920 (map).
15. Per cent of native white of native parentage in white population, by states: 1910 (map).
16. Per cent of native white of native parentage in total population, by states: 1920 (map).
148 2. States (shaded) showing increase in foreign-born white: 1910-1920 (map).
17. Per cent of native white of foreign or mixed parentage
$149\left\{\begin{array}{l}\text { in total population, by states: } 1920 \text { (map). } \\ \text { 2. Per cent of native white of foreign or mixed parentage }\end{array}\right.$ in total population, by states: 1910 (map).
18. Per cent of foreign-born white in total population, by states: 1920 (map).
$150\left\{\begin{array}{c}\text { states: } 1920 \text { (map). .. } \\ \text { 2. Per cent of foreign-born white in total population, by }\end{array}\right.$

## Plate

0. 1 Per Title
1. Per cent of foreign-born white and native white of foreign or mixed parentage combined in total population, by states: 1920 (map).
151
2. Per cent of foreign-born white and native white of foreign or mixed parentage combined in total population, by states: 1910 (map).
152 Total population and distribution by classes: 1850-1920.
153 Color or race, nativity, and parentage, by states: 1920 and 1910.
$154\left\{\begin{array}{l}\text { 1. Foreign-born population, by states: } 1920 \text { and } 1910 .\end{array}\right.$
3. Negro population, by states: 1920 and 1910.

155 Color or race, nativity, and parentage, for cities having, in 1920, 100,000 inhabitants or more: 1920 and 1910.
Per cent of foreign-born white in total population, by counties: 1920 (maps)-
156 Massachusetts and Maine.
157 Vermont and New Hampshire.
158 Connecticut and Rhode Island.
159 New York and New Jersey.
160 Ohio and Pennsylvania.
161 Illinois and Indiana.
162 Wisconsin and Michigan.
163 Iowa and Kansas.
164 Minnesota and Missouri.
165 North Dakota and South Dakota.
166 Nebraska and Colorado.
167 Montana and Wyoming.
168 Nevada and Utah.
169 Arizona and New Mexico.
170 Idaho and California.
171 Washington and Oregon.
(1. Per cent of negroes in total population, by states: 1920 (map).
$172\left\{\begin{array}{l}\text { 2. Per cent of negroes in total population, by states: }\end{array}\right.$ 1910 (map).
173 Counties in Southern states having at least 50 per cent of their population negro: 1860, 1880, 1900, and 1920 (maps).
(1. States (shaded) in which increase in negro population was more than 1,000 and was at a higher rate than increase in total population: 1910-1920 (map).
2. Negro population for 1920 and 1910 , in cities having 100,000 inhabitants or more and at least 10,000 negroes in 1920.
3. Cities of 10,000 inhabitants or more in 1920 , having 50 per cent or more of their population negro in either 1910 or 1920.
Per cent of negroes in total population, by counties: 1920 (maps) -
175 Delaware and District of Columbia.
176 Maryland and North Carolina.
177 West Virginia and Virginia.
178 Georgia and South Carolina.
179 Louisiana and Florida.
180 Mississippi and Alabama.
181 Kentucky and Tennessee.
182 Arkansas and Oklahoma.
183 Texas.
184 Per cent black and mulatto in total population of Porto Rìco, by municipalities: 1920 (map).

1. Distribution of the Indian population of the United
$185\left\{\begin{array}{l}\text { States, by states: } 1920 \text { (map). } \\ \text { 2. Distribution of the Indian population of the United }\end{array}\right.$ States, by states: 1910 (map).
186 Number and distribution of Indians in Alaska, by linguistic stock: 1920 (map).

Plate
No.
Title.
187 Per cent of Indians in total population of Alaska, by judicial districts: 1920 (map).
188 Per cent of Hawaiians and part-Hawaiians in total population of Hawaii, by counties: 1920 (map).
(1. Ratio of males to females in total population, by $189\left\{\begin{array}{l}\text { states: } 1920 \text { (map). }\end{array}\right.$
2. Ratio of males to females in total population, by states: 1910 (map).
190 Distribution by single years of age for the total population, by sex: 1920.
191 Distribution by age periods and sex for total population and for certain principal population classes: 1920-

Total population. Total white. Negro. Foreign-born white.
192 Distribution by age periods and sex for certain principal population classes: 1920-

Native white.
Native white of native parentage.
Native white of foreign parentage.
Native white of mixed parentage.
193 Marital condition of the population 15 years of age and over, by sex and age periods, for principal population classes: 1920.

1. Per cent which population born in each state and living in other states formed of total born in each state: 1920 (map).
$194\left\{\begin{array}{l}\text { state: } 1920 \text { (map). } \\ \text { 2. Per cent which population born in each state and }\end{array}\right.$ living in other states formed of total born in each state: 1910 (map).
2. Per cent which population born in other states formed of total native population living in each state: 1920 (map).
3. Per cent which population born in other states formed of total native population living in each state: 1910 (mepp).
4. Migration of native population from and to each state:
$196\left\{\begin{array}{l}1920 . \\ \text { 2. Migration of native population from and to each state: }\end{array}\right.$ 1910.
$197\left\{\begin{array}{l}\text { 1. Net gain or net loss through interstate migration: } 1920 .\end{array}\right.$
5. Net gain or net loss through interstate migration: 1910.
6. Distribution of population born in each state as living in state of birth or in other states: 1920.
$198\{$ 2. Distribution of population born in each state as living in state of birth or in other states: 1910.
7. Distribution of total population of each state as born in state of residence, in other states, or foreign born: 1920.
8. Distribution of total population of each state as born in state of residence, in other states, or foreign born: 1910.
9. Per cent of total population born in state of residence, born in other states, or foreign born, for cities having 100,000 inhabitants or more: 1920.
200 2. Per cent of total population born in state of residence, born in other states, or foreign born, for cities having 100,000 inhabitants or more: 1910.
10. States having gained or lost through interstate migration: 1920 (map).
11. Foreign-born population of the United States, by country of birth: 1920.
201
12. Foreign-born population by principal countries of birth: 1920 and 1910.

## Plate No.

202 Distribution of natives of principal foreign countries and groups of countries, by states: 1920Russia.
Poland.
Canada and Newfoundland. Norway, Sweden, and Denmark.
203 Distribution of natives of principal foreign countries and groups of countries, by states: 1920-

Italy.
England, Scotland, and Wales.
Germany.
Ireland.
204 Foreign-born population in 1920, distributed as arriving in the United States before or after 1911.
$205\left\{\begin{array}{l}\text { 1. Foreign white stock by principal countries of origin: } \\ 1920 . \\ \text { 2. Foreign white stock by principal countries of origin: }\end{array}\right.$ 2. Foreign white stock by principal countries of origin:
1910 .

206 Per cent distribution of the foreign white stock by principal countries of origin: 1920, 1910, and 1900.
207 Distribution of the foreign white stock originating in selected countries and groups of countries, by states: 1920 and 1910 -

Germany.
Italy.
Austria and Hungary
Norway, Sweden, and Denmark.
208 Distribution of the foreign white stock originating in selected countries and groups of countries, by states: 1920 and 1910-

Russia.
Ireland.
England, Scotland, and Wales.
Canada and Newfoundland.
$209\left\{\begin{array}{c}\text { 1. Foreign white stock, by principal mother tongues: } \\ 1920 \text { and } 1910 .\end{array}\right.$
2. Elements of foreign white stock, by linguistic groups: 1920 and 1910.
210 Distribution of foreign white stock having specified mother tongues, for selected states: 1920 and 1910-

English and Celtic.
French.
Norwegian. Yiddish and Hebrew.
211 Distribution of foreign white stock having specified mother tongues, for selected states: 1920 and $1910-$

German.
Italian.
Swedish.
Polish.

1. Citizenship of foreign white persons born in specified countries or groups of countries: 1920.
2. Citizenship of foreign white men 21 years of age and over born in specified countries or groups of countries: 1920.
3. Citizenship of foreign white women 21 years of age and over born in specified countries or groups of countries: 1920.
4. Per cent naturalized in foreign-born white population, by country of birth: 1920.
$\underset{\text { Plate }}{\text { No. }}$
Title.
5. Per cent attending school in the total population and in certain classes at each year of age from 7 to 20 , inclusive: 1920.
213
6. Per cent attending school in the total population and in certain classes at each year of age from 6 to 20 , inclusive: 1910.
7. Per cent illiterate in population 10 years of age and over, by states: 1920. All classes (map).
8. Per cent illiterate in population 10 years of age and over, by states: 1910. All classes (map).
9. Per cent illiterate in population 10 years of age and over, by states: 1920. Native white of native parents (map).
10. Per cent illiterate in population 10 years of age and over, by states: 1910. Native white of native parents (map).
11. Per cent illiterate in population 10 years of age and over, by states: 1920. Foreign-born white (map).
12. Per cent illiterate in population 10 years of age and over, by states: 1910. Foreign-born white (map).
(1. Per cent illiterate in population 10 years of age and
$217\left\{\begin{array}{c}\text { over, by states: 1920. Negro (map). } \\ \text { 2. Per cent illiterate in population } 10 \text { years of age and }\end{array}\right.$ over, by states: 1910. Negro (map).
Per cent illiterate in population 10 years of age and over, by states: 1920 and 1910-
13. All classes.
$218\left\{\begin{array}{l}\text { 2. Native white-native parentage. }\end{array}\right.$
14. Foreign-born white.
15. Negro.

219 Foreign-born white population 10 years of age and over unable to speak English: 1920 and 1910.
$220\left\{\begin{array}{l}\text { 1. Number of dwellings per square mile, by states: } \\ \quad \begin{array}{l}1920 \text { (map). } \\ \text { 2. Number of dwellings per square mile, by states: } \\ \text { (map). }\end{array} \\ 221\left\{\begin{array}{l}1910\end{array}\right. \\ \begin{array}{c}\text { Number of families per square mile, by states: } \\ \text { (map). } \\ 2 .\end{array} \\ \begin{array}{c}\text { Number of families per square mile, by states: } \\ \text { (map). }\end{array}\end{array} . \begin{array}{l}1910\end{array}\right.$
222 Per cent of homes owned free, owned encumbered, and rented, in total number of homes, by states: 1920 and 1910.

## OCCUPATIONS.

1. Proportion of population 10 years of age and over engaged in gainful occupations, by states: 1920, 1910, and 1900.
2. Per cent distribution of native white persons of native parentage 10 years of age and over engaged in gainful occupations: 1920 (map).
224 Proportion that males and females 10 years of age and over with gainful occupations formed of all males and females 10 years of age and over: 1920 and 1910.
3. Proportion that males and females 10 years of age and over engaged in gainful occupations formed of the total population 10 years of age and over occupied, by states: 1920 and 1910.
4. Proportion of children of each sex 10 to 15 years of age engaged in gainful occupations: 1880-1920.

226 Proportion of children of each sex 10 to 15 years of age engaged in gainful occupations, by states, arranged by geographic divisions: 1920 and 1910.

1. Proportion of married and of single, widowed, divorced, and unknown women among gainfully occupied women 15 years of age and over: 1890-1920.
2. Proportion of women 15 years of age and over in each specified age period and marital class engaged in gainful occupations: 1920.
3. Proportion of women 15 years of age and over in each specified marital class engaged in gainful cecupations: 1890-1920.
4. Proportion of married and of single, widowed, divorced, and unknown women 15 years of age and over in each principal class of the population engaged in gainful occupations: 1920.
5. Proportion of married and of single, widowed, divorced, and unknown women among women 15 years of age and over in each general division of gainful occupations: 1920.
228 Proportion of married women 15 years of age and over engaged in gainful occupations, by states: 1920 and 1910.

229 Per cent distribution, by marital condition, of the gainfully occupied women 15 years of age and over, by states: 1920.

1. Proportion of males 10 to 13 years of age engaged in
$230\left\{\begin{array}{c}\text { gainful occupations, by states: } 1920 \text { (map). } \\ \text { 2. Proportion of males } 10 \text { to } 13 \text { years of age engaged in }\end{array}\right.$ gainful occupations, by states: 1910 (map).
2. Proportion of males 14 and 15 years of age engaged in gainful occupations, by states: 1920 (map).
3. Proportion of males 14 and 15 years of age engaged in gainful occupations, by states: 1910 (map).

## Plate No.

No. Title. gainful occupations, by states. 1920 (map)
2. Proportion of females 10 to 13 years of age engaged in gainful occupations, by states: 1910 (map).

1. Proportion of females 14 and 15 years of age engaged in gainful occupations, by states: 1920 (map).
233
2. Proportion of females 14 and 15 years of age engaged in gainful occupations, by states: 1910 (map).
234 Proportion of males and females 10 years of age and over engaged in certain gainful occupations: 1920.
235 Proportion of population 10 years of age and over enand gaged in each general division of gainful occupations,
236 classified as industrial and nonindustrial, by geographic divisions: 1920.
237 Proportion of population 10 years of age and over, in each state, engaged in each general division of gainful occupations: 1920.
(1. Proportion of males and females 10 years of age and over engaged in each general division of gainful occupations: 1920.
3. Proportion which gainful workers of both sexes, in each specified age group, constituted of all gainful workers, and the proportion which males and females of each age group formed of total male and female workers: 1920.
4. Proportion of each principal class of population 10 years of age and over, both sexes, males and females, engaged in gainful occupations: 1920.
5. Proportion of males and females of each specified age group engaged in gainful occupations: 1920.






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


1. PER CENT OF INCREASE OR DECREASE IN TOTAL POPULATION, BY STATES: 1910-1920.

2. PER CENT OF INCREASE OR DECREASE IN TOTAL POPULATION, BY STATES: 1900-1910.


3. PER CENT OF INCREASE OR DECREASE IN TOTAL POPULATION, BY STATES: 1880-1890.


PLATE No. 9

1. TOTAL POPULATION, BY GEOGRAPHIC DIVISIONS: 1920 AND 1910.
2. DISTRIBUTION OF THE PER CENT OF INCREASE IN TOTAL POPULATION, BY GEOGRAPHIC DIVISIONS: 1910-1920 AND 1900-1910.

3. INCREASE IN POPULATION, BY GEOGRAPHIC DIVISIONS: 1910-1920.

4. PER CENT OF INCREASE IN TOTAL POPULATION OF THE UNITED STATES AND EACH GEOGRAPHIC DIVISiON: 1910-1920 AND 1900-1910.

5. GROWTH OF POPULATION IN AREA ENUMERATED IN 1790, WITH GROWTH IN REMAINDER OF COUNTRY: 1790-1920.

6. COMPARISON OF RATE OF INCREASE IN TOTAL POPULATION WITH RATE OF CHANGE OF IMMIGRATION: 1850-1920.

7. COUNTIES (SHADED) IN WHICH POPULATION DECREASED: 1910-1920.

8. COUNTIES IN WHICH POPULATION DECREASED: 1880-1920.

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9. TOTAL POPULATION, BY STATES: 1920 AND 1910.

10. PER CENT OF INCREASE IN TOTAL POPULATION, BY STATES: 1910-1920 AND 1900-1910.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF ALABAMA, BY COUNTIES: 1910-1920.

TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF ARIZONA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated paces having 2,500 inhabitants or more

TOTAL POPULATION.


RURAL POPULATION



PER CENT OF INCREASE OR DECREASE IN POPULATION OF ARKANSAS, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more,
TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF CALIFORNIA, BY COUNTIES: 1910-1920.

TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF COLORADO, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.


PER CENI OF INCREASE IN POPULATION OF CONNECTICUT, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF DELAWARE, BY COUNTIES: 1910-1920.

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

(48)

PER CENT OF INCREASE OR DECREASE IN POPULATION OF THE DISTRICT OF COLUMBIA, BY DISTRICTS:
1910-1920.


1900-1910.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF FLORIDA, BY COUNTIES: 1910-1920.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF GEORGIA, BY COUNTIES: 1910-1920.

TOTAL POPULATION. RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF IDAHO, BY COUNTIES: 1910-1920.

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

TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF ILLINOIS, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.



RURAL POPULATION.

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PER CENT OF INCREASE OR DECREASE IN POPULATION OF INDIANA, BY COUNTIES: 1910-1920


PER CENT OF INCREASE OR DECREASE IN POPULATION OF IOWA, BY COUNTIES: 1910-1920.

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


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF KANSAS, BY COUNTIES: 1910-1920.

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


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF KENTUCKY, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF LOUISIANA, BY PARISHES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more

TOTAL POPULATION.


RURAL POPULATION.

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PER CENT OF INCREASE OR DECREASE IN POPULATION OF MAINE, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more
TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF MARYLAND, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500-inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.

(60)

PER CENT OF INCREASE OR DECREASE IN TOTAL POPULATION OF MASSACHUSETTS, NEW HAMPSHIRE, AND RHODE ISLAND, BY COUNTIES: 1910-1920.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF MICHIGAN, BY COUNTIES: 1910-1920.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF MINNESOTA, BY COUNTIES: 1910-1920.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF MISSISSIPPI, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.


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RURAL POPULATION.


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PER CENT OF INCREASE OR DECREASE IN POPULATION OF MISSOURI, BY COUNTIES: 1910-1920.

TOTAL POPULATION.
RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF MONTANA, BY COUNTIES: 1910-1920.

Rural population is defined as that residịng qutside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION


PER CENT OF INCREASE OR DECREASE IN POPULATION OF NEBRASKA, BY COUNTIES: 1910-1920.

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


RURAL POPULATION.


# PER CENT OF INCREASE OR DECREASE IN POPULATION OF NEVADA, BY COUNTIES: 1910-1920 

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

TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF NEW JERSEY, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.


# PER CENT OF INCREASE OR DECREASE IN POPULATION OF NEW MEXICO, BY COUNTIES: 1910-1920. 

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


PER CENT OF INCREASE OR DECREASE IN POPULATION OF NEW YORK, BY COUNTIES: 1910-1920.

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


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF NORTH CAROLINA, BY COUNTIES: 1910-1920.

TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF NORTH DAKOTA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.



PER CENT OF INCREASE OR DECREASE IN POPULATION OF OKLAHOMA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more

TOTAL POPULATION.


RURAL POPULATION.

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PER CENT OF IN̦CREASE OR DECREASE IN POPULATION OF OREGON, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having $\mathbf{2 , 5 0 0}$ inhabitants or more.

## TOTAL POPULATION.



RURAL POPULATION.

(76)

PER CENT OF INCREASE OR DECREASE IN POPULATION OF PENNSYLVANIA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

$723^{\circ}-24 \dagger-6$
(77)

PER CENT OF INCREASE OR DECREASE IN POPULÁTION OF SOUTH CAROLINA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.

(78)

PER CENT OF INCREASE OR DECREASE IN POPULATION OF SOUTH DAKOTA, BY COUNTIES: 1910-1920.
Rural population is detined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF TENNESSEE, BY COUNTIES: 1910-1920.


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PER CENT OF INCREASE OR DECREASE IN POPULATION OF TEXAS, BY COUNTIES: 1910-1920.
TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF TEXAS, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
RURAL POPULATION.

(82)

PER CENT OF INCREASE OR DECREASE IN POPULATION OF UTAH, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more
TOTAL POPULATION.
RURAL POPULATION.




PER CENT OF INCREASE OR DECREASE IN POPULATION OF VERMONT, BY COUNTIES: 1910-1920.
Rural population is detined as that residing outside of incorporated places having $\mathbf{2 , 5 0 0}$ inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF VIRGINIA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF WASHINGTON, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

## TOTAL POPULATION.



RURAL POPULATION.


PER CENT OF INCREASE OR DECREASE IN POPULATION OF WEST VIRGINIA, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION



PER CENT OF INCREASE OR DECREASE IN POPULATION OF WYOMING, BY COUNTIES: 1910-1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.



PER CENT OF INCREASE OR DECREASE IN POPULATION OF HAWAII, BY COUNTIES: 1910-1920.

(91)

PER CENT OF INCREASE OR DECREASE IN POPULATION OF PORTO RICO, BY MUNICIPALITIES: 1910-1920.
In case of decrease the per cent is inserted under the municipality name.


MAINE-TOWNS (SHADED) SHOWING DECREASE: 1910-1920.


TOWNS (SHADED) SHOWING DECREASE: 1910-1920.

VERMONT.


Shaded areas show decrease.
$\star$ No population reported.

INCREASE OR DECREASE IN POPULATION OF COUNTIES: 1900-1920.

NEVADA.


MISSOURI.

(95)

DELAWARE.


VERMONT.


MAINE.



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POPULATION PER SQUARE MILE, BY COUNTIES: 1910.


1. POPULATION PER SQUARE MILE, BY STATES: 1920.

2. POPULATION PER SQUARE MILE, BY STATES: 1910.


## 1. POPULATION PER SQUARE MILE, BY STATES: 1900.


2. POPULATION PER SQUARE MILE, BY STATES: 1890.



## DENSITY OF POPULATION OF ARIZONA, BY COUNTIES: 1920.

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

## total population.



RURAL POPULATION.



## DENSITY OF POPULATION OF ARKANSAS, BY COUNTIES: 1920.

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


RURAL POPULATION.


## DENSITY OF POPULATION OF CALIFORNIA, BY COUNTIES: 1920.

TOTAL POPULATION.


RURAL POPULATION.


## DENSITY OF POPULATION OF COLORADO, BY COUNTIES: 1920.

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


RURAL POPULATION.



RURAL POPULATION.


DENSITY OF POPULATION OF DELAWARE, BY COUNTIES: 1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.


RURAL POPULATION.


## DENSITY OF POPULATION OF FLORIDA, BY COUNTIES: 1920.

TOTAL POPULATION
RURAL POPULATION.



## DENSITY OF POPULATION OF IDAHO, BY COUNTIES: 1920.

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


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

TOTAL POPULATION


RURAL POPULATION


DENSITY OF POPULATION OF INDIANA, BY COUNTIES: 1920.

TOTAL POPULATION.


RURAL POPULATION.


TOTAL POPULATION.


RURAL POPULATION.


## DENSITY OF POPULATION OF KANSAS, BY COUNTIES: 1920.

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


RURAL POPULATION.


## DENSITY OF POPULATION OF KENTUCKY, BY COUNTIES: 1920.

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


DENSITY OF POPULATION OF LOUISIANA, BY PARISHES: 1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more

TOTAL POPULATION



DENSITY OF POPULATION OF MARYLAND, BY COUNTIES: 1920.

TOTAL POPULATION


RURAL POPULATION.


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DENSITY OF POPULATION OF MICHIGAN, BY COUNTIES: 1920



## DENSITY OF POPULATION OF MISSISSIPPI, BY COUNTIES: 1920.

Rural population is defined as that residing outside of incorporated places having $\mathbf{2 , 5 0 0}$ inhabitants or more.
TOTAL POPULATION.


total population.


RURAL POPULATION.


## DENSITY OF POPULATION OF NEBRASKA, BY COUNTIES: 1920.

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

TOTAL POPULATION.


RURAL POPULATION.


## DENSITY OF POPULATION OF NEVADA, BY COUNTIES: 1920.

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


RURAL POPULATION.


DENSITY OF POPULATION OF NEW JERSEY, BY COUNTIES: 1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TOTAL POPULATION.


RURAL POPULATION.


TOTAL POPULATION.


RURAL POPULATION


| number of inhabitants per square mile |  |  |
| :---: | :---: | :---: |
| Less tman 2 | WITS ${ }^{\text {¢ }}$ т 18 | 7/\ 45 то 90 |
| $\square^{2}{ }^{2}$ т 6 | -18 то 46 | [1] 0 AnO |

## DENSITY OF POPULATION OF NEW YORK, BY COUNTIES: 1920.

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


RURAL POPULATION.


## DENSITY OF POPULATION OF NORTH CAROLINA, BY COUNTIES: 1920.



DENSITY OF POPULATION OF NORTH DAKOTA, BY COUNTIES: 1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.



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


DENSITY OF POPULATION OF OKLAHOMA, BY COUNTIES: 1920.

TOTAL POPULATION.


令

| Less than 2 | [10) ${ }^{\text {¢ }}$ т 18 | (1]D 45 то 90 |
| :---: | :---: | :---: |
| [1]1] ${ }^{2}$ то ${ }^{\text {e }}$ | - > 18 180 | [1]1] 90 |

## DENSITY OF POPULATION OF OREGON, BY COUNTIES: 1920.

TOTAL POPULATION.


RURAL POPULATION.


## TOTAL POPULATION.



RURAL POPULATION.


TOTAL POPULATION.


RURAL POPULATION.


## DENSITY OF POPULATION OF SOUTH DAKOTA, BY COUNTIES: 1920.

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


RURAL POPULATION.


## DENSITY OF POPULATION OF TENNESSEE, BY COUNTIES: 1920.

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


DENSITY OF POPULATION OF TEXAS, BY COUNTIES: 1920.
TOTAL POPULATION.


## DENSITY OF POPULATION OF TEXAS, BY COUNTIES: 1920.

Rural population is defined as that residing outside of incorporated places having $\mathbf{2 , 5 0 0}$ inhabitants or more.
RURAL POPULATION.


DENSITY OF POPULATION OF UTAH, BY COUNTIES: 1920.
Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more

TOTAL POPULATION.


RURAL POPULATION.

number of inhabitants per souare mile


## DENSITY OF POPULATION OF VERMONT, BY COUNTIES: 1920.

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

TOTAL POPULATION.

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## DENSITY OF POPULATION OF VIRGINIA, BY COUNTIES: 1920.

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


## DENSITY OF POPULATION OF WASHINGTON, BY COUNTIES: 1920.

Rural population is defined as that residing outside of incorporated places having $\mathbf{2 , 5 0 0}$ inhabitants or more.
TOTAL POPULATION.


RURAL POPULATION.

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DENSITY OF POPULATION OF WEST VIRGINIA, BY COUNTIES: 1920.

Rural population is defined as that residing outside of


TOTAL POPULATION. RURAL POPULATION.


## DENSITY OF POPULATION OF WYOMING, BY COUNTIES: 1920.

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


RURAL POPULATION.


DENSITY OF POPULATION OF HAWAII, BY COUNTIES: 1920.

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CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

## ALABAMA



ARKANSAS


ARIZONA

(152)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

## CALIFORNIA



CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.
COLORADO


CONNECTICUT


DIST. OF COLUMBIA

DELAWARE


GEORGIA



FLORIDA

(154)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.
IDAHO


ILLINOIS


CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.
INDIANA


IOWA

(156)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

KANSAS


KENTUCKY


LOUISIANA

$723^{\circ}-24 \dagger-11$

MAINE


MARYLAND


MASSACHUSETTS

(157)

MICHIGAN


MINNESOTA

(158)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

## MISSISSIPPI



MISSOURI


## MONTANA


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## NEBRASKA



NEVADA

(160)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

## NEW HAMPSHIRE



CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.


CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.


SOUTH CAROLINA

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CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.

(164)

CENTERS OF POPULATION: 1880, 1890, 1900, 1910, AND 1920.


WYOMING


PLATE No. 137



1. POPULATION PER SQUARE MILE: 1790-1920.

2. POPULATION PER SQUARE MILE, BY STATES: 1920 AND 1910.

(168)
3. PER CENT OF INCREASE IN TOTAL, TOTAL WHITE, AND NEGRO POPULATION: 1790-1920, AND PER CENT OF INCREASE IN NATIVE WHITE: 1850-1920.

4. PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1920 AND 1910.

5. PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1920.

6. PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1910.

7. PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1900.

8. PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1890.


PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1890-1920.


1. URBAN AND RURAL POPULATION: 1880-1920.

2. INCREASE IN URBAN POPULATION, BY CLASSES OF CITIES: 1890-1920.


II
4. POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE AT EACH CENSUS: 1790-1920.

5. COLOR OR RACE, NATIVITY, AND PARENTAGE, BY DIVISIONS: 1920, 1910, AND 1900.


[^1]1. PER CENT OF INCREASE IN POPULATION OF TERRITORY URBAN IN 1920, BY STATES: 1910-1920.

2. PER CENT OF INCREASE IN POPULATION OF TERRITORY URBAN IN 1910, BY STATES: 1900-1910.

3. PER CENT OF INCREASE IN POPULATION OF TERRITORY RURAL IN 1920, BY STATES: 1910-1920.

4. PER CENT OF INCREASE IN POPULATION OF TERRITORY RURAL IN 1910, BY STATES: 1900-1910.

total population of great cities at each census: 1790-1920.






5. PER CENT OF NATIVE WHITE OF NATIVE PARENTAGE IN WHITE POPULATION, BY STATES: 1920.
[District of Columbia, 73.3 per cent, not shown separately on the map.]

6. PER CENT OF NATIVE WHITE OF NATIVE PARENTAGE IN WHITE POPULATION, BY STATES: 1910.

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7. PER CENT OF NATIVE WHITE OF NATIVE PARENTAGE IN TOTAL POPULATION, BY STATES: 1920.
[District of Columbia, 54.7 per cent, not shown separately on the map.]

8. STATES (SHADED) SHOWING INCREASE IN FOREIGN-BORN WHITE: 1910-1920.

9. PÈR-CENT OF NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE IN TOTAL POPULATION, BY STATES: 1920.

10. PER CENT OF NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE IN TOTAL POPULATION, BY STATES: 1910 .

11. PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY STATES: 1920.
[District of Columbia, 6.5 per cent, not shown separately on the map.]

12. PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY STATES: 1910.

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13. PER CENT OF FOREIGN-BORN WHITE AND NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE COMBINED IN TOTAL POPULATION, BY STATES: 1920.

14. PER CENT OF FOREIGN-BORN WHITE AND NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE COMBINED IN TOTAL POPULATION, BY STATES: 1910.


TOTAL POPULATION AND DISTRIBUTION, BY CLASSES: 1850-1920.

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COLOR OR RACE, NATIVITY, AND PARENTAGE, BY STATES: 1920 AND 1910.

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1. FOREIGN-BORN POPULATION, BY STATES: 1920 AND 1910.

2. NEGRO POPULATION, BY STATES: 1920 AND 1910.





PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.
VERMONT.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.

CONNECTICUT.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.


KANSAS.



PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.
NORTH DAKOTA.


SOUTH DAKOTA.

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PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.
NEBRASKA.


COLORADO.


PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.

MONTANA.


WYOMING.

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NEVADA.


UTAH.







PER CENT OF FOREIGN-BORN WHITE IN TOTAL POPULATION, BY COUNTIES: 1920.
WASHINGTON

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1. PER CENT OF NEGROES IN TOTAL POPULATION, BY STATES: 1920.
[District of Columbia, 25.1 per cent, not shown separately on the map.]

2. PER CENT OF NEGROES IN TOTAL POPULATION, BY STATES: 1910.


COUNTIES IN SOUTHERN STATES HAVING AT LEAST 50 PER CENT OF THEIR POPULATION NEGRO.


1880


1900


1860


1. STATES (SHADED) IN WHICH INCREASE IN NEGRO POPULATION WAS MORE THAN 1,000 AND WAS AT A HIGHER RATE THAN INCREASE IN TOTAL POPULATION: 1910-1920.

2. NEGRO POPULATION FOR 1920 AND 1910, IN CITIES HAVING 100,000 3. CITIES OF 10,000 INHABITANTS OR MORE IN 1920, HAVING 50 PER INHABITANTS OR MORE AND AT LEAST 10,000 NEGROES IN 1920.

CENT OR MORE OF THEIR POPULATION NEGRO IN EITHER 1910 OR 1920.



PER CENT OF NEGROES IN TOTAL POPULATION: 1920.


DISTRICT OF COLUMBIA
(By census districts.)


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.


NORTH CAROLINA.


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF NEGROES IN TOTAL POPULATION，BY COUNTIES： 1920.

GEORGIA．


$\square$ usa rman $12 \frac{2}{2}$ ere oexr

WIIT 25 TO $37 \frac{1}{2}$ PER CENT
37⿺辶⿳亠丷厂彡
Wll 50 to g2 $\frac{1}{2}$ per cent
IIII $62 \frac{1}{2}$ to 75 per cent

PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.

LOUISIANA.


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.


TENNESSEE.


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.
ARKANSAS.


OKLAHOMA.


PER CENT OF NEGROES IN TOTAL POPULATION, BY COUNTIES: 1920.

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PER CENT BLACK AND MULATTO IN TOTAL POPULATION, BY MUNICIPALITIES: 1920.


1. DISTRIBUTION OF THE INDIAN POPULATION OF THE UNITED STATES, BY STATES: 1920.

2. DISTRIBUTION OF THE INDIAN POPULATION OF THE UNITED STATES, BY STATES: 1910.

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PER CENT OF INDIANS IN TOTAL POPULATION OF ALASKA, BY JUDICIAL DISTRICTS: 1920.


PER CENT OF HAWAIIANS AND PART-HAWAIIANS IN TOTAL POPULATION OF HAWAII, BY COUNTIES: 1920.


2. RATIO OF MALES TO FEMALES IN TOTAL POPULATION, BY STATES: 1910.
[District of Columbia, females in excess, not shown separately on the map.]

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DISTRIBUTION BY SINGLE YEARS OF AGE FOR THE TOTAL POPULATION, BY SEX: 1920.

(219)

DISTRIBUTION BY AGE PERIODS AND SEX FOR TOTAL POPULATION AND FOR CERTAIN PRINCIPAL POPULATION CLASSES: 1920.

TOTAL POPULATION.


NEGRO.

(220)

TOTAL WHITE


FOREIGN-BORN WHITE.


Native white.

native white of foreign parentace.


NATIVE WHITE OF NATIVE PARENTAGE.


Native white of mixed parentage.


MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER, BY SEX AND AGE PERIODS, FOR PRINCIPAL POPULATION CLASSES: 1920.


1. PER CENT WHICH POPULATION BORN IN EACH STATE AND LIVING IN OTHER STATES FORMED OF TOTAL BORN IN EACH STATE: 1920.
District of Columbia, 29.2 per cent, not shown separately on the map.]

2. PER CENT WHICH POPULATION BORN IN EACH STATE AND LIVING IN OTHER STATES FORMED OF TOTAL BORN IN EACH STATE: 1910.

3. PER CENT WHICH POPULATION BORN IN OTHER STATES FORMED OF TOTAL NATIVE POPULATION LIVING IN EACH STATE: 1920.
[District of Columbia, 60.4 per cent, not shown separately on the map.]

4. PER CENT WHICH POPULATION BORN IN OTHER STATES FORMED OF TOTAL NATIVE POPULATION LIVING IN EACH STATE: 1910.

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5. MIGRATION OF NATIVE POPULATION FROM AND TO EACH STATE: 2. MIGRATION OF NATIVE POPULATION FROM AND TO EACH STATE:
6. LIVING IN OTHER STATES

BORN


BORN IN SPECIFIED STATE. LIVING IN SPECIFIED STATE. LIVING IN OTHER STATES BORN IN OTHER STATES

MAINE
NEW HAMPBHIRE
VERMONT
MASSACHUBETTB
RHODE ISLAND
CONNECTICUT
NEW YORK
NEW JERSEY
pennsylvania
OHIO
indIANA
ILLINOIS
michigan
wisconsin
minnesota
IOWA
missourl
NORTH DAKOTA
south dakota
negraska
kansas
delaware
MARYLAND
dist. of columbia
virginia
west virginia
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
FLORIDA
kentucky
tennessee
alabama
mISSISSIPPI
arkansas
LOUISIANA
oklahoma
texas
montana
idaho
wroming
colorado
NEW MEXICO
ARIZONA
UTAH
nevada
washington
ORECON
califormia

1. NET GAIN OR NET LOSS THROUGH INTERSTATE MIGRATION: 1920.

2. NET GAIN OR NET LOSS THROUGH INTERSTATE MIGRATION: 1910.
NET GAIN
NET LOSs

3. DISTRIBUTION OF POPULATION BORN IN EACH STATE AS LIVING IN STATE OF BIRTH OR IN OTHER STATES: 1920.

4. DISTRIBUTION OF POPULATION BORN IN EACH STATE AS LIVING IN STATE OF BIRTH OR IN OTHER STATES: 1910.


ZCZ born ano Livino in tme gtate $\mathbb{Z}$ born in the btate and living in other states

1. DISTRIBUTION OF TOTAL POPULATION OF EACH STATE AS BORN IN STATE OF RESIDENCE, IN OTHER STATES, OR FOREIGN BORN: 1920.


WIW BORN IN STATE OF RESIDENCE 㛿妏 BORN IN OTHER STATES FOREIGN BORN
2. DISTRIBUTION OF TOTAL POPULATION OF EACH STATE AS BORN IN STATE OF RESIDENCE, IN OTHER STATES, OR FOREIGN BORN: 1910.


1. PER CENT OF TOTAL POPULATION BORN IN STATE OF RESIDENCE, BORN IN OTHER STATES, OR FOREIGN BORN, FOR CITIES HAVING 100,000 INHABITANTS OR MORE: 1920.

2. PER CENT OF TOTAL POPULATION BORN IN STATE OF RESIDENCE, BORN IN OTHER STATES, OR FOREIGN BORN, FOR CITIES HAVING 100,00C INHABITANTS OR MORE: 1910.

3. STATES HAVING GAINED OR LOST THROUGH INTERSTATE MIGRATION: 1920.
[District of Columbia, with net gain, not shown separately on the map.]


The heavy lin 2s (-) show geographic divisions.

1. FOREIGN-BORN POPULATION OF THE UNITED STATES, BY COUNTRY OF BIRTH: 1920.


DISTRIBUTION OF NATIVES OF PRINCIPAL FOREIGN COUNTRIES AND GROUPS OF COUNTRIES, BY STATES: 1920.


NORWAY, SWEDEN, AND DENMARK

distribution of natives of principal foreign countries and groups of countries, BY STATES: 1920.

(23:)

FOREIGN-BORN POPULATION IN 1920, DISTRIBUTED AS ARRIVING IN THE UNITED STATES BEFORE OR AFTER 1911.


1. FOREIGN WHITE STOCK BY PRINCIPAL COUNTRIES OF ORIGIN: 1920.

2. FOREIGN WHITE STOCK BY PRINCIPAL COUNTRIES OF ORIGIN: 1910.


PER CENT DISTRIBUTION OF THE FOREIGN WHITE STOCK BY PRINCIPAL COUNTRIES OF ORIGIN: 1920, 1910, AND 1900.


DISTRIBUTION OF THE FOREIGN WHITE STOCK ORIGINATING IN SELECTED COUNTRIES AND GROUPS OF COUNTRIES, BY STATES: 1920 AND 1910.


PROPORTION THAT MALES AND FEMALES 10 YEARS OF AGE AND OVER WITH GAINFUL OCCUPATIONS FORMED OF ALL MALES AND FEMALES 10 YEARS OF AGE AND OVER: 1920 AND 1910.


1. PROPORTION THAT MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS FORMED OF THE TOTAL POPULATION 10 YEARS OF AGE AND OVER OCCUPIED, BY STATES: 1920 AND 1910.

2. PROPORTION OF CHILDREN OF EACH SEX 10 TO 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS: 1880-1920.

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PROPORTION OF CHILDREN OF EACH SEX 10 TO 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES, ARRANGED BY GEOGRAPHIC DIVISIONS: 1920 AND 1910.


1. PROPORTION OF MARRIED AND OF SINGLE, WIDOWED, DIVORCED, AND UNKNOWN WOMEN AMONG GAINFULLY OCCUPIED WOMEN 15 YEARS OF AGE AND OVER: 1890-1920.


奴 MARRIED
ETIIII SINGLE, WIDOWED, DIVORCED. AND UNKNOWN
3. PROPORTION OF WOMEN 15 YEARS OF AGE AND OVER IN EACH SPECIFIED MARITAL CLASS ENGAGED IN GAINFUL OCCUPATIONS: 1890-1920.

2. PROPORTION OF WOMEN 15 YEARS OF AGE AND OVER IN EACH SPECIFIED AGE PERIOD AND MARITAL CLASS ENGAGED IN GAINFUL OCCUPATIONS: 1920.

4. PROPORTION OF MARRIED AND OF SINGLE, WIDOWED, DIVORCED, AND UNKNOWN WOMEN 15 YEARS OF AGE AND OVER IN EACH PRINCIPAL CLASS OF THE POPULATION ENGAGED IN GAINFUL OCCUPATIONS: 1920.

5. PROPORTION OF MARRIED AND OF SINGLE, WIDOWED, DIVORCED, AND UNKNOWN WOMEN AMONG WOMEN 15 YEARS OF AGE AND OVER IN EACH GENERAL DIVISION OF GAINFUL OCCUPATIONS: 1920.

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PROPORTION OF MARRIED WOMEN 15 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1920 AND 1910.


PER CENT DISTRIBUTION, BY MARITAL CONDITION, OF THE GAINFULLY OCCUPIED WOMEN 15 YEARS OF AGE AND OVER, BY STATES: 1920.


TIWIM SINGLE, WIDOWED, DIVORCED, AND UNKNOWN
[IIID married
(258)

1. PROPORTION OF MALES 10 TO 13 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1920.

2. PROPORTION OF MALES 10 TO 13 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1910.

3. PROPORTION OF MALES 14 AND 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1920

4. PROPORTION OF MALES 14 AND 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1910.

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5. PROPORTION OF FEMALES 10 TO 13 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1920.

6. PROPORTION OF FEMALES 10 TO 13 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1910.

7. PROPORTION OF FEMALES 14 AND 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1920.

8. PROPORTION OF FEMALES 14 AND 15 YEARS OF AGE ENGAGED IN GAINFUL OCCUPATIONS, BY STATES: 1910.

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PROPORTION OF MALES AND FEMALES 10 YEARS OF aGE AND OVER ENGAGED IN CERTAIN GAINFUL OCCUPATIONS: 1920.


ALL OCCUPATIONS
AGRICULTURE, FORESTRY, AND ANIMAL HUSBANDRY:
FISHERMEN AND OYSTERMEN
STOCK HERDERS, DROVERS, AND FEEDERS
DAIRY FARMERS
STOCK RAISERS
DAIRY FARM LABORERS
FARMERS
GARDENERS, FLORISTS, FRUIT GROWERS, AND NURSERYMEN
GARDEN, GREENHOUSE, ORCHARD. AND NURSERY LABORERS
MANUFACTURING AND MECHANICAL INDUSTRIES:
SHOEMAKERS AND COBBLERS (NOT IN FACTORY)
PAINTERS, GLAZIERS, VARNISHERS, ENAMELERS, ETC.
LABORERS-METAL INDUSTRIES
MANAGERS AND SUPERINTENDENTS (MANUFACTURING)
LABORERS-LUMBER AND FURNITURE INDUSTRIES
LABORERS-CLAY, GLASS, AND STONE INDUSTRIES MANUFACTURERS AND OFFICIALS
BAKERS
APPRENTICES
COMPOSITORS, LINOTYPERS, AND TYPESETTERS FOREMEN AND OVERSEERS (MANUFACTURING) LABORERS-FOOD INDUSTRIES
SEMISKILLED OPERATIVES-LUMBER AND FURNITURE INDUSTRIES SEMISKILLED OPERATIVES-METAL INDUSTRIES SEMISKILLED OPERATIVES-CLAY, GLASS, AND STONE INDUSTRIES TAILORS AND TAILORESSES
LABORERS-BAKERIES
LABORERS-COTTON MILLS
LABORERS-PRINTING AND PUBLISHING
SEMISKILLED OPERATIVES-SHOE FACTORIES
SEMISKILLED OPERATIVES-CHEMICAL AND ALLIED INDUSTRIES
SEMISKILLED OPERATIVES-FOOD INDUSTRIES
LABORERS-CIGAR AND TOBACCO FACTORIES
TRANSPORTATION:
LABORERS-(STEAM RAILROAD)
MAIL CARRIERS
TELEGRAPH OPERATORS
TELEPHONE OPERATORS
TRADE:
WHOLESALE DEALERS, IMPORTERS, AND EXPORTERS
COMMERCIAL TRAVELERS
BANKERS, BROKERS, AND MONEY LENDERS
INSURANCE AGENTS AND OFFICIALS
RETAIL DEALERS
REAL ESTATE AGENTS AND OFFICIALS
LABORERS, PORTERS, AND HELPERS IN STORES
SALESMEN AND SALESWOMEN
CLERKS IN STORES
PUBLIC SERVICE (NOT ELSEWHERE CLASSIFIED):
LABORERS (PUBLIC SERVICE)
OFFICIALS AND INSPECTORS (CITY AND COUNTY)
OFFICIALS AND INSPECTORS (STATE AND UNITED STATES)
PROFESSIONAL SERVICE
PHYSICIANS AND SURGEONS
ACTORS AND SHOWMEN
ARTISTS, SCULPTORS, AND TEACHERS OF ART
MUSICIANS AND TEACHERS OF MUSIC
teachers
TRAINED NURSES
DOMESTIC AND PERSONAL SERVICE:
SALOON KEEPERS
LABORERS (DOMESTIC AND PROFESSIONAL SERVICE)
BARBERS. HAIRDRESSERS. AND MANICURISTS
JANITORS AND SEXTONS
RESTAURANT. CAFE. AND LUNCH-ROOM KEEPERS
HOTEL KEEPERS AND MANAGERS
WAITERS
LAUNDRY OPERATIVES
COOKS
CHARWOMEN AND CLEANERS
SERVANTS
BOARDING AND LODGING HOUSE KEEPERS
MIDWIVES AND NURSES (NOT TRAINED)
HOUSEKEEPERS AND STEWARDS
LAUNDERERS AND LAUNDRESSES (NOT IN LAUNDRY)
LERICAL OCCUPATIONS:
AGENTS. CANVASSERS. AND COLLECTORS
MESSENGER, BUNDLE, AND OFFICE BOYS AND GIRLS
LERKS (EXCEPT CLERKS IN STORES)
BOOKKEEPERS. CASHIERS. AND ACCOUNTANTS
STENOGRAPHERS AND TYPISTS

PROPORTION OF POPULATION 10 YEARS OF AGE AND OVER ENGAGED IN EACH GENERAL DIVISION OF GAINFUL OCCUPATIONS, CLASSIFIED AS INDUSTRIAL AND NONINDUSTRIAL, BY GEOGRAPHIC DIVISIONS: 1920.


PROPORTION OF POPULATION 10 YEARS OF AGE AND OVER ENGAGED IN EACH GENERAL DIVISION OF GAINFUL OCCUPATIONS, CLASSIFIED AS INDUSTRIAL AND NONINDUSTRIAL, BY GEOGRAPHIC DIVISIONS: 1920.

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PROPORTION OF POPULATION 10 YEARS OF AGE AND OVER, IN EACH STATE, ENGAGED IN EACH GENERAL DIVISION OF GAINFUL OCCUPATIONS: 1920.


CIERICAL OCCUPATIONS

1. PROPORTION OF MALES AND FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GENERAL DIVISION OF GAINFUL OCCUPATIONS: 1920.

2. PROPORTION WHICH GAINFUL WORKERS OF BOTH SEXES, IN EACH SPECIFIED AGE GROUP, CONSTITUTED OF ALL GAINFUL WORKERS, AND THE PROPORTION WHICH MALES AND FEMALES OF EACH AGE GROUP FORMED OF TOTAL MALE AND FEMALE WORKERS: 1920.

3. PROPORTION OF EACH PRINCIPAL CLASS OF POPULATION 10 YEARS OF AGE AND OVER, BOTH SEXES, MALES AND FEMALES, ENGAGED IN GAINFUL OCCUPATIONS: 1920.

4. PROPORTION OF MALES AND FEMALES OF EACH SPECIFIED AGE GROUP ENGAGED IN GAINFUL OCCUPATIONS: 1920.


## AGRICULTURE

PLATES 239-341

## AGRICULTURE.

## Platy: No. <br> 239

Relative proportion of improved and unimproved land area in farms to the total land area of the United States: 1850-1920.
240 Number of farms, January 1, 1920 (dot map).
(1. Improved and unimproved land in farms, and land not in farms, by states: 1920 and 1910.
241
2. Improved and unimproved land in farms, and land not in farms, in the United States: 1850-1920.
3. Number of farms in the United States: 1850-1920.

1. Per cent of total land area in farms, by states: 1920 (map).
2. Per cent of increase in population and agriculture: 1910-1920.
3. Average acreage of all land per farm, by states: 1920 (map).
4. Average acreage of all land per farm, by states: 1910 (map).
5. Average acreage of improved land per farm, by states: 1920 (map).
6. Proportion of improved land in farms to total land area: 1910 (map).
245 Improved land in farms, January 1, 1920 (dot map).
\{1. Average size of farms, by states: 1920 and 1010.
$246\left\{\begin{array}{l}\text { 2. Average size of farms, by states: } 1900 \text { and } 1890 .\end{array}\right.$
(Per cent of value of all farm property represented by each class of property, by states:
7. 1920. 
1. Average value of farm land and buildings per acre: 1850-1920.
2. Value of farm property, by classes: 1850-1820.

248 Average value of farm land and buildings per acre, by counties: 1920 (map).
(1. Per cent of increase in value of all farm property, by states: 1850-1860 (map).
$249\left\{\begin{array}{l}\text { 2. Per cent of increase in value of all farm property, by }\end{array}\right.$ states: 1860-1870 (map).

1. Per cent of increase in value of all farm property, by states: 1870-1880 (map).
2. Per cent of increase in value of all farm property, by states: 1880-1890 (map).
3. Per cent of increase in value of all farm property, by states: 1890-1900 (map).
4. Per cent of increase in value of all farm property, by states: 1900-1910 (map).
5. Per cent of increase in value of all farm property, by states: 1910-1920 (map).
6. Value of agricultural products, by states: 1920 (map).
(1. Value of implements and machinery per acre of improved land in farms, by states: 1920 (map).
$253\{$ 2. Value of live stock per acre of all land in farms, by states: 1920 (map).
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Plats
Tinc.
$\left\{\begin{array}{c}\text { Number of farms-Per cent distribution by tenure, by } \\ \text { states: }\end{array}\right.$
$254\{$ 1. 1920.
2. 1910.
(All farm land-Per cent distribution by tenure, by states:
[2. 1910.
256 Number of farms operated by tenants, January 1, 1920 (dot map).
257 Per cent of all farms operated by tenants, by counties: 1920 (map.)

1. Per cent of all farm land operated by tenants, by states: 1920 (map).
2. Per cent of all farm land operated by tenants, by states: 1910 (map).
3. Per cent of improved farm land operated by tenants, by states: 1920 (map).
259 \{2. Per cent of improved farm land operated by tenants, by states: 1910 (map).
4. White farmers-Per cent distribution by tenure, by states, 1920.
5. Colored farmers-Per cent distribution by tenure, by states: 1920.
6. Per cent distribution of farms in the l'nited states, by tenure: 1880-1920.
7. White farmers in the South-Per cent distribution, by tenure, $1900-1920$.
8. Colored farmers in the South-Per cent distribution, by tenure: 1900-1920.
9. White farmers-Per cent operating rented farms, by states: 1920 (map).
261 2. Colored farmers-Per cent operating rented furms, by states: 1920 (map).
10. White farmers-Per cent of farm land operated by tenants, by states: 1920 (map).
11. Colored farmers-Per cent of farm land operated by tenants, by states: 1920 (map).
(1. Number of farms--Per cent distribution by race and nativity of farmer, by states: 1920.
263 \{2. Number of farms-Per cent distribution by race and nativity of farmer, by states: 1910.
12. All farm land-Per cent distribution by race and nativity of farmer, by states: 1920.
13. Foreign-born white farmers in the l'nited States, by country of birth: 1920 and 1910.
14. White farm tenants and owners in the South, by age: 1920.
15. Colored farm tenants and owners in the South, by age: 1920.
16. Farm tenants and owners in the l'nited States, ly age: 1920.

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265 Per cent of all farms operated by colored farmers, by counties: 1920.

1. Per cent of all farm land operated by colored farmers, by states: 1920 (map).
2. Per cent of all farm land operated by colored farmers, by states: 1910 (map).
3. Per cent of improved farm land operated by colored farmers, by states: 1920 (Southern States only) (map).
4. Per cent of improved farm land operated by colored farmers, by states: 1910 (Southern States only) (map).
5. Per cent distribution of owner-operated farms according to mortgage status, by states: 1920.
6. Ratio of mortgage debt to value of mortgaged farms, by states: 1920.
7. Per cent distribution of owner-operated farms in the United States, according to mortgage status: 1890-1920.
269 Mortgage debt on owner-operated farms, by states: 1920 and 1910.
(1. Farm expenditures for labor, by states: 1919 and 1909.
8. Farm expenditures for feed, by states: 1919 and 1909.
9. Farm expenditures for fertilizer, 36 leading states: 1919 and 1909.

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1. Per cent of all farms reporting telephones, by states: 1920 (map).
2. Sales and purchases by farmers through cooperative organizations, 20 leading states: 1919.
272 Number of automobiles on farms: 1920 (dot map).
273 Beef cattle on farms, Jan. 1, 1920 (dot map).
274 Dairy cows on farms, Jan. 1, 1920 (dot map).
275 Swine on farms, Jan. 1, 1920 (dot map).
276 Value of dairy products sold by farmers in 1919 (dot map).
3. Eggs produced on farms, by states: 1919 and 1909.

277 \{2. Wool produced, 16 leading states: 1919 and 1909.
3. Butter made on farms and in factories: 1879-1919.

27\% $\{$ 1. Calves raised on farms, by states: 1919.
2. Pigs raised on farms, by states: 1919.

279 1. Value of all farm crops, by states: 1919 and 1909.
12. All farm crops-value, by states: 1909 (map).

1. Average value of all farm crops per farm, by states: 1919 and 1909.
2. Average value per acre of crops with acreage reports, by states: 1919 and 1909.
3. Production of wheat in the United States: 1849-1919.
4. Production of corn in the United States: 1849-1919.
5. Production of wheat, 15 leading states: 1919 and 1909.
6. Production of corn, 20 leading states: 1919 and 1909.
7. Production of oats in the U'nited States: 1849-1919.
8. Production of buckwheat, 5 leading states: 1919 and 1909.
9. Production of oats, 15 leading states: 1919 and 1909.
(8. Production of barley, 10 leading states: 1919 and 1909.

Plate
No.
Title.
[1. Production of potatoes, 20 leading states: 1919 and 1909.
2. Production of sweet potatoes, 15 leading states: 1919 and 1909.
3. Production of rye, 10 leading states: 1919 and 1909.

282 4. Production of tobacco, 15 leading states: 1919 and 1909.
5. Value of vegetables raised for sale, 12 leading states: 1919.
6. Production of cotton in the United States: 1849-1919.
7. Production of cotton, 15 leading states: 1919 and 1909.

283 Corn production in 1919 (dot map).
284 Wheat production in 1919 (dot map).
285 Oats production in 1919 (dot map).
256 Cotton production in 1919 (dot map). graphic divisions: 1880-1920.
287 2. Per cent of tenancy in each age group, for selected states: 1920.

1. Per cent of improved land in farms operated by tenants, owners, and managers, for selected states: 1920.

288 2. Relation between quality of soil and per cent of tenancy: Monroe, Northampton, Lehigh, and Carbon Counties, Pa. (map).
\{1. Per cent of farms operated by tenants, by counties: 1920 (map).
$2 \times 9$ 2. Per cent of farms operated by tenants, by counties: 1880 (map).

1. Number and per cent of tenants and owners, by age, for the North, South, and West: 1920.
290 2. Average value of farm property per farm, and per cent represented by land, for owners and tenants in selected States: 1920.
(1. Per cent of tenancy in each age group, for the North, South, and West: 1890-1920.
291 2. Per cent distribution of value of live stock, by classes, and average value per farm, for owners and tenants, in selected states: 1920.
2. Per cent distribution of farms and farm acreage, by tenure, for the North, South, and West: 1920.
292 2. Per cent of total value of farm property represented by each class, for owners and tenants, in the North, South, and West: 1920.
Per cent of tenants in each labor-income group, JazooMississippi Delta: 1913.
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Return on landlord's investment, in relation to tenant's labor income, Yazoo-Mississippi Delta: 1913.

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| Plate No. | Titie. | Plate No. | Trite. |
| :---: | :---: | :---: | :---: |
|  | DRAINAGE. |  | IRRIGATION. |
| 294 | Approximate location and area of operating drainage enterprises in the United States: 1920 (map). <br> Approximate location and area of operating drainage enterprises: 1920 (maps)- | 323 | Approximate location and extent of irrigated areas in the <br> United States: 1920 (map). <br> Approximate location and extent of irrigated land: 1920 (maps) - |
| 295 | Arkansas. | 324 | Arizona. |
| 296 | California. | 325 | Arkansas. |
| 297 | Colorado. | 326 | California. |
| 298 | Florida. | 327 | Colorado. |
| 299 | Georgia. | 328 | Idaho. |
| 300 | Idaho. | 329 | Kansas. |
| 301 | Illinois. | 330 | Louisiana. |
| 302 | Indiana. | 331 | Montana. |
| 303 | Iowa. | 332 | Nebraska. |
| 304 | Kansas. | 333 | Nevada. |
| 305 | Kentucky and Tennessee. | 334 | New Mexico. |
| 306 | Louisiana. | 335 | North Dakota. |
| 307 308 | Michigan. | 336 | Oregon. |
| 308 | Minnesota. | 337 | South Dakota. |
| 309 310 | Mississippi. | 338 | Texas. |
| 310 311 | Missouri. | 339 | Utah. |
| 311 312 | Mentana. | 340 | Washington. |
| 313 | North Carolina. | 341 | Wyoming. |
| 314 | North Dakota. |  |  |
| 315 | Ohio. |  |  |
| 316 | South Carolina. |  |  |
| 317 | South Dakota. |  |  |
| 318 | Texas. |  |  |
| 319 | Utah. |  |  |
| 320 | Washington. |  |  |
| 321 | Wisconsin. |  |  |
| 322 | Wyoming. |  |  |

RELATIVE PROPORTION OF IMPROVED AND UNIMPROVED LaND AREA IN FARMS TO THE TOTAL LAND AREA OF THE UNITED STATES: 1850-1920.

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1. IMPROVED AND UNIMPROVED LAND IN FARMS, AND LAND NOT IN FARMS, BY STATES: 1920 AND 1910.

2. IMPROVED AND UNIMPROVED LAND IN FARMS, AND LAND NOT IN FARMS, IN THE UNITED STATES: 1850-1920.

3. NUMBER OF FARMS IN THE UNITED STATES: 1850-1920.

4. PER CENT OF TOTAL LAND AREA IN FARMS, BY STATES: 1920.

5. PER CENT OF INCREASE IN POPULATION AND AGRICULTURE: 1910-1920.

6. AVERAGE ACREAGE OF ALL LAND PER FARM, BY STATES: 1920.

7. AVERAGE ACREAGE OF ALL LAND PER FARM, BY STATES: 1910.

8. AVERAGE ACREAGE OF IMPROVED LAND PER FARM, BY STATES: 1920.

9. PROPORTION OF IMPROVED LAND IN FARMS TO TOTAL LAND AREA: 1910.

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10. AVERAGE SIZE OF FARMS, BY STATES: 1920 AND 1910.

11. AVERAGE SIZE OF FARMS, BY STATES: 1900 AND 1890.

12. PER CENT QF VALUE OF ALL FARM PROPERTY REPRESENTED BY EACH CLASS OF PROPERTY, BY STATES: 1920.

13. AVERAGE VALUE OF FARM LAND AND BUILDINGS PER ACRE: 1850-1920.

DOLLARS

2. PER CENT OF VALUE OF ALL FARM PROPERTY REPRESENTED BY EACH CLASS OF PROPERTY, BY STATES: 1910.

4. VALUE OF FARM PROPERTY, BY CLASSES: 1850-1920.



1. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1850-1860.

2. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1860-1870.

3. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1870-1880.

4. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1880-1890.


5. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1900-1910.

6. PER CENT OF INCREASE IN VALUE OF ALL FARM PROPERTY, BY STATES: 1910-1920.

7. VALUE OF AGRICULTURAL PRODUCTS, BY STATES: 1920.


8. VALUE OF LIVE STOCK PER ACRE OF ALL LAND IN FARMS, BY STATES: 1920.

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1．NUMBER OF FARMS－PER CENT DISTRIBUTION BY TENURE，BY STATES： 1920.

2．NUMBER OF FARMS－PER CENT DISTRIBUTION BY TENURE，BY STATES： 1910.

曲曲 tenants



PER CENT OF ALL FARMS OPERATED BY TENANTS, BY COUNTIES: 1920.
[PER CENT FOR THE united states, 38.1.]


2. PER CENT OF ALL FARM LAND OPERATED BY TENANTS, BY STATES: 1910.


1. PER CENT OF IMPROVED FARM LAND OPERATED BY TENANTS, BY STATES: 1920.

2. PER CENT OF IMPROVED FARM LAND OPERATED BY TENANTS, BY STATES: 1910.

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3. WHITE FARMERS-PER CENT DISTRIBUTION BY TENURE, BY STATES: 1920.


Tullwn owners
图 MANAGERS
-a tenants
3. PER CENT DISTRIBUTION OF FARMS IN THE UNITED STATES, BY TENURE: 1880-1920.


液 OWNERS AND MANAGERS TENANTS
2. COLORED FARMERS-PER CENT DISTRIBUTION BY TENURE, BY STATES: 1920.


TMWIM OWNERS MANAGERS TENANTS
4. WHITE FARMERS IN THE SOUTH-PER CENT DISTRIBUTION, BY TENURE: 1900-1920.

5. COLORED FARMERS IN THE SOUTH-PER CENT DISTRIBUTION, CY TENURE: 1900-1920.


1. WHITE FARMERS-PER CENT OPERATING RENTED FARMS, BY STATES: 1920.

2. COLORED FARMERS -PER CENT OPERATING RENTED FARMS, BY STATES: 1920.

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3. WHITE FARMERS-PER CENT OF FARM LAND OPERATED BY TENANTS, BY STATES: 1920.

4. COLORED FARMERS-PER CENT OF FARM LAND OPERATED BY TENANTS, BY STATES: 1920.

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PLATE No. 263

1. NUMBER OF FARMS - PER CENT DISTRIBUTION BY RACE AND NATIVITY OF FARMER, BY STATES: 1920.


2 NUMBER OF FARMS-PER CENT DISTRIBUTION BY RACE AND NATIVITY OF FARMER

[III NATIVE white

1. ALL FARM LAND-PER CENT DISTRIBUTION BY RACE AND NATIVITY OF FARMER, BY STATES: 1920.

2. FOREIGN-BORN WHITE FARMERS IN THE UNITED STATES, BY COUNTRY OF BIRTH: 1920 AND 1910.

3. WHITE FARM TENANTS AND OWNERS IN THE SOUTH, BY AGE: 1920

4. COLORED FARM TENANTS AND OWNERS IN THE SOUTH, BY AGE: 1920.

5. FARM TENANTS AND OWNERS IN THE UNITED STATES, BY AGE: 1920.

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PER CENT OF ALL FARMS OPERATED BY COLORED FARMERS, BY COUNTIES: 1920.


1. PER CENT OF ALL FARM LAND OPERATED BY COLORED FARMERS, BY STATES: 1920. SOUTHERN STATES ONLY.

2. PER CENT OF ALL FARM LAND OPERATED BY COLORED FARMERS, BY STATES: 1910. southern states only.

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3. PER CENT OF IMPROVED FARM LAND OPERATED BY COLORED FARMERS, BY STATES: 1920.

SOUTHERN STATES ONLY.

2. PER CENT OF IMPROVED FARM LAND OPERATED BY COLORED FARMERS, BY STATES: 1910. SOUTHERN STATES ONLY.


1. PER CENT DISTRIBUTION OF OWNER-OPERATED FARMS ACCORDING $\quad$ 2. RATIO OF MORTGAGE DEBT TO VALUE OF MORTGAGED FARMS, BY TO MORTGAGE STATUS, BY STATES: 1920.

2. PER CENT DISTRIBUTION OF OWNER-OPERATED FARMS IN THE UNITED STATES, ACCORDING TO MORTGAGE STATUS: 1890-1920.


MORTGAGE DEBT ON OWNER-OPERATED FARMS, BY STATES: 1920 AND 1910.


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1. FARM EXPENDITURES FOR LABOR, BY STATES: 1919 AND 1909.

2. FARM EXPENDITURES FOR FERTILIZER, 36 LEADING STATES: 1919 AND 1909.

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3. SALES AND PURCHASES BY FARMERS THROUGH COOPERATIVE ORGANIZATIONS, 20 LEADING STATES: 1919.






4. EGGS PRODUCED ON FARMS, BY STATES: 1919 AND 1909.

5. WOOL PRODUCED, 16 LEADING STATES: 1919 AND 1909.

6. BUTTER MADE ON FARMS AND IN FACTORIES: 1879-1919.


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7. VALUE OF ALL FARM CROPS, BY STATES: 1919 AND 1909.

8. ALL FARM CROPS-VALUE, BY STATES: 1909.

9. AVERAGE VALUE OF ALL FARM CROPS PER FARM, BY STATES: 1919 AND 1909.

10. AVERAGE VALUE PER ACRE OF CROPS WITH ACREAGE REPORTS, BY STATES: 1919 AND 1909.

11. PRODUCTION OF WHEAT IN THE UNITED STATES: 1849-1919.

12. PRODUCTION OF WHEAT, 15 LEADING STATES: 1919 AND 1909.

13. PRODUCTION OF OATS IN THE UNITED STATES: 1849-1919.

14. PRODUCTION OF OATS, 15 LEADING STATES: 1919 AND 1909.

15. PRODUCTION OF CORN IN THE UNITED STATES: 1849-1919.

16. PRODUCTION OF CORN, 20 LEADING STATES: 1919 AND 1909.

17. PRODUCTION OF BUCKWHEAT, 5 LEADING STATES: 1919 AND 1909.

18. PRODUCTION OF BARLEY, 10 LEADING STATES: 1919 AND 1909.

19. PRODUCTION OF POTATOES, 20 LEADING STATES: 1919 AND 1909


## 3. PRODUCTION OF RYE, 10 LEADING STATES: 1919 AND 1909.


5. VALUE OF VEGETABLES RAISED FOR SALE, 12 LEADING STATES: 1919.

6. PRODUCTION OF COTTON IN THE UNITED STATES: 1849-1919.

2. PRODUCTION OF SWEET POTATOES, 15 LEADING STATES: 1919 AND 1909.

4. PRODUCTION OF TOBACCO, 15 LEADING STATES: 1919 AND 1909.

7. PRODUCTION OF COTTON, 15 LEADING STATES: 1919 AND 1909.






1. PER CFNT OF ALL FARMS OPERATED BY TENANTS, BY GEOGRAPHIC DIVISIONS: 1880-1920.

2. PER CENT OF TENANCY IN EACH AGE GROUP, FOR SELECTED STATES: 1920.

3. PER CENT OF IMPROVED LAND IN FARMS OPERATED BY TENANTS, OWNERS, AND MANAGERS, FOR SELECTED STATES: 1920.

4. RELATION BETWEEN QUALITY OF SOIL AND PER CENT OF TENANCY: MONROE, NORTHAMPTON, LEHIGH, AND CARBON COUNTIES, PA.

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5. PER CENT OF FARMS OPERATED BY TENANTS, BY COUNTIES: 1880.
[Areas left blank on the map represent counties which had less than 100 farms in 1880.]

6. NUMBER AND PER CENT OF TENANTS AND OWNERS, BY AGE, FOR THE NORTH, SOUTH, AND WEST: 1920.
[Managers are included with owners.]

7. AVERAGE VALUE OF FARM PROPERTY PER FARM, AND PER CENT REPRESENTED BY LAND, FOR OWNERS AND TENANTS IN SELECTED STATES: 1920.

8. PER CENT OF TENANCY IN EACH AGE GROUP, FOR THE NORTH, SOUTH, AND WEST: 1890 TO 1920.

9. PER CENT DISTRIBUTION OF VALUE OF LIVE STOCK, BY CLASSES, AND AVERAGE VALUE PER FARM, FOR OWNERS AND TENANTS, IN SELECTED STATES: 1920.

10. PER CENT DISTRIBUTION OF FARMS AND FARM ACREAGE, BY TENURE, FOR THE NORTH, SOUTH, AND WEST: 1920.


11. PER CENT OF TOTAL VALUE OF FARM PROPERTY REPRESENTED BY EACH CLASS, FOR OWNERS AND TENANTS, IN THE NORTH, SOUTH, AND WEST: 1920.

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12. RETURN ON LANDLORD'S INVESTMENT, IN RELATION TO TENANT'S LABOR INCOME, YAZOO-MISSISSIPPI DELTA: 1913.


approximate location and area of operating drainace enterprises: 1920.
ARKANSAS.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
CALIFORNIA.

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APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: ${ }^{1} 1920$.
FLORIDA.

${ }^{1}$ Boundary of Everglades Drainage District shown thus: $\boldsymbol{m =} \boldsymbol{=}$

APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
GEORGIA.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920. IDAHO.

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APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
illinois.


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APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920
KANSAS.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
KENTUCKY.


TENNESSEE.

approximate location and area of operating drainage enterprises: 1920.
LOUISIANA.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920. MICHIGAN.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.

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APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
MISSISSIPPI.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
MISSOURI


## MONTANA.



## NEBRASKA.



APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
NORTH CAROLINA.



APPRCXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
OHIO.

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SOUTH CAROLINA.


aPPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
TEXAS.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
UTAH.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
WASHINGTON.
要


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
WISCONSIN.


APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES: 1920.
WYOMING.



APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920. ARIZONA.

approximate location and extent of irrigated land: 1920.
ARKANSAS.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
CALIFORNIA.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920. COLORADO.

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APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
IDAHO.


## APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.

KANSAS.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
LOUISIANA.



APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.

## NEBRASKA.



APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
NEVADA.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
NEW MEXICO.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
OREGON.


## APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.



APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
TEXAS.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
UTAH.


APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.
WASHINGTON.


## APPROXIMATE LOCATION AND EXTENT OF IRRIGATED LAND: 1920.

WYOMING.


## MANUFACTURES

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## MANUFACTURES.

| Plate <br> No. | Title. |
| :---: | :---: |
| 342 | Value of all manufactured products and proportional |
| value for each geographic division: $1919,1914,1909$, |  |
|  | 1904, and 1899. |

Plate
No.
Title.
347 Value of products for leading industries: 1919 and 1914.
348 Average number of wage earners, by states: 1919 and 1914.

349 Average number of wage earners by industries employing over 40,000 wage earners: 1919 and 1914.
(1. Value of manufactured products, by states: 1919 (map).
350
2. Per cent of increase in population, 1910-1920, and in manufactures, 1909-1919. (376)

VALUE OF ALL MANUFACTURED PRODUCTS AND PROPORTIONAL VALUE FOR EACH GEOGRAPHIC DIVISION:
1919, 1914, 1909. 1904, AND 1899.


VALUE OF PRODUCTS OF MANUFACTURING INDUSTRIES, BY STATES: 1919 AND 1914.


VALUE ADDED BY MANUFACTURE, BY STATES: 1919 AND 1914.


VALUE OF ALL MANUFACTURED PRODUCTS AND PROPORTIONAL VALUE FOR EACH GROUP: 1919, 1914, 1909, 1904, AND 1899.

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VALUE OF PRODUCTS FOR GROUPS OF INDUSTRIES: 1919, 1914, AND 1909.


VALUE OF PRODUCTS FOR LEADING INDUSTRIES: 1919 AND 1914.


AVERAGE NUMBER OF WAGE EARNERS, BY STATES: 1919 AND 1914.


AVERAGE NUMBER OF WAGE EARNERS BY INDUSTRIES EMPLOYING OVER 40,000 WAGE EARNERS: 1919 AND 1914.


## 1. VALUE OF MANUFACTURED PRODUCTS, BY STATES: 1919.


2. PER CENT OF INCREASE IN POPUL.ATION, 1910-1920, AND IN MANUFACTURES, 1909-1919.


## MINES AND QUARRIES

## MINES AND QUARRIES.

Title.

1. Value of products, mining industries, by states: 1919, 1909 , and 1902.
2. Per cent distribution of value of products of mining industries, by geographic divisions: 1919.
3. Value of products, leading mining industries: 1919 , 1909, and 1902.
4. Per cent distribution of value of products of mining industries, by industries: 1919.
5. Value of products, mining industries, by states: 1919 (map).
353 Value of products, leading mining industries, by states: 1919.

354 Value of products, leading mining industries, by states: 1909.

355 Coal fields of the United States: 1919 (map).

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No.
Title.
356 Principal petroleum and natural-gas fields of the Enited States: 1919 (map).

1. Principal iron-ore producing localities: 1919 (map).

357 2. Comparative production, anthracite and bituminous coal, by decades: 1829-1919.
(1. Annual production of anthracite and bituminous coal: 1889-1919.
358
2. Production of iron ore, United States and principal producing regions: 1879-1920.
11. Production of iron ore, by principal states: 1879-1919.
$359\left\{\begin{array}{l}\text { 2. Per cent of production of iron ore, by states: } 1919 .\end{array}\right.$
300 Gold and silver producing localities: 1919 (map).
361 Lead and zinc, and copper producing localities: 1919 (map).

1. VALUE OF PRODUCTS, MINING INDUSTRIES, BY STATES: 1919, 1909, AND 1902.

2. VALUE OF PRODUCTS, LEADING MINING INDUSTRIES: 1919, 1909, AND 1902.
 PER CENT DISTRIBUTION OF VALUE OF PRODUC
OF MINING INDUSTRIES, BY INDUSTRIES: 1919.

3. VALUE OF PRODUCTS, MINING INDUSTRIES, BY STATES: 1919.


VALUE OF PRODUCTS, LEADING MINING INDUSTRIES, BY STATES: 1919.
COAL. ANTHRACITE
MILLIONS OF DOLLARS

COAL. BITUMINOUS


LEAD AND ZINC


VALUE OF PRODUCTS, LEADING MINING INDUSTRIES, BY STATES: 1909.



PRINCIPAL PETROLEUM AND NATURAL-GAS FIELDS OF THE UNITED STATES: 1919.


2. COMPARATIVE PRODUCTION, ANTHRACITE AND BITUMINOUS COAL, BY DECADES: 1829-1919.


1. ANNUAL PRODUCTION OF ANTHRACITE AND BITUMINOUS COAL: 1889-1919.

2. PRODUCTION OF IRON ORE, UNITED STATES AND PRINCIPAL PRODUCING REGIONS: 1879-1920.

3. PRODUCTION OF IRON ORE, BY PRINCIPAL STATES: 1879-1919.

## minnesota

MILLIONS OF TON8

$723^{\circ}-24 \dagger-26$

GOLD AND SILVER PRODUCING LOCALITIES: 1919.

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## COTTON

PLATES 362-874
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## COTTON.

| $\begin{aligned} & \text { Plate } \\ & \text { No. } \end{aligned}$ |  |
| :---: | :---: |
|  | Relative importance of the several countries in the production and consumption of cotton- |
|  | (1. Proportion of world's mill supply of cotton contributed by each country: 1922. |
| 362 | 2. Proportion of total consumption of cotton, by countries, year ending July 31, 1923. <br> 3. Cotton production in specified years: 1790-1922. |
| 363 | Cotton-producing area of the United States in 1922, and center of production: 1859, 1879, 1906, 1910, 1912, $1914,1916,1918,1919$, and 1922 (map). |
|  | Cotton ginned, by counties: 1922 (maps)- |
| 364 | Mississippi and Alabama. |
| 365 | Arkansas and Oklahoma. |
| 366 | Louisiana and Florida. | (402)

## Plate No. <br> 367 Georgia and South Carolina.

368 North Carolina and Tennessee.
$369\{$ Texas.
369 Per cent of cotton grown in each state, crop of 1922.
$370\left\{\begin{array}{l}1 . \text { Cotton ginnings to specified dates: 1905-1922. }\end{array}\right.$
2. Area and yield of cotton: 1893-1922.

371 Cotton consumed, by months: September, 1912, to July, 1923.

372 Cotton stocks, by months: September, 1912, to July, 1923.

373 Cotton imports, by months: September, 1912, to July, 1923.

374 Exports of domestic cotton, by specified countries and by months: September, 1912, to July, 1923.

RELATIVE IMPORTANCE OF THE SEVERAL COUNTRIES IN THE PRODUCTION AND CONSUMPTION OF COTTON.

1. PROPORTION OF WORLD'S MILL SUPPLY OF COTTON CONTRIBUTED

BY EACH COUNTRY: 1922.

. PROPORTION OF TOTAL CONSUMPTION OF COTTON, BY COUNTRIES, YEAR ENDING JULY 31, 1923.

3. COTTON PRODUCTION IN SPECIFIED YEARS: 1790-1922.


COTTON-PRODUCING AREA OF THE UNITED STATES IN 1922, AND CENTER OF PRODUCTION: 1859, 1879, 1906, 1910, 1912, 1914, 1916, 1918,1919 , AND 1922. The center of production in 1859 was approximately 13 miles southeast of Macon, in Noxubee County, Miss.; in 1879 it was 11 miles south of Columbus, in Lowndes County; in 1908 it was 5 miles northeast of Mayers-
in Issaquena County; in 1910 it was 3 miles southwest of Vaiden, in Carroll County; in 1912 it was 2 miles north of Midnight, in Sharkey County in 1914 it was 1 mile northwest of Sharpsurg in Madion County in



MISSISSIPPI.


ALABAMA.


COTTON GINNED, BY COUNTIES: 1922.

ARKANSAS.


OKLAHOMA.


COTTON GINNED, BY COUNTIES: 1922.

LOUISIANA.


FLORIDA.


COTTON GINNED, BY COUNTIES: 1922.


SOUTH CAROLINA.


OOTTON GINNED: 1822
NONE REPORTED


25170 2600 TO 40,000 BALES

COTTON GINNED, BY COUNTIES: 1922.


TENNESSEE.


COTTON GINNED, BY COUNTIES : 1922.


PER CENT OF COTTON GROWN IN EACH STATE, CROP OF 1922.


1. COTTON GINNINGS TO SPECIFIED DATES: 1905-1922.

2. AREA AND YIELD OF COTTON: 1893-1922.


COTTON CONSUMED, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1923.


COTTON STOCKS, BY MONTHS: SEPTEMBER, 1912, TO JULY, 1923.



COTTON IMPORTS, BY MONTHS: SEPTEMBER, 1912, T0 JULY, 1923.


EXPORTS OF DOMESTIC COTTON, BY SPECIFIED COUNTRIES AND BY MONTHS: SEPTEMBER, 1912, TO JULY, 1923.



## ENCUMBERED HOMES

PLATES 375-389

## ENCUMBERED HOMES.

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375 2. Homes not on farms-per cent owned mortgaged, owned free, and rented, by geographic divisions: 1890-1920.
376 Homes not on farms-per cent owned mortgaged, owned free, and rented, by states: $1890 \div 1920$.

1. Per cent of homes owned mortgaged, owned free, and rented, for cities having 100,000 inhabitants or more: 1920.
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. Owned homes not on farms-per cent free, and mortgaged, by sections and geographic divisions: 18901920.
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381 2. Owned mortgaged homes not on farms-average value and average mortgage debt per home, by sections and geographic divisions: 1920 and 1890 .

1. Owned mortgaged homes not on farms-average value and average mortgage debt per home, by states: 1920 and 1890.
382 2. Owned mortgaged homes-average value and average mortgage debt per home, for cities having 100,000 inhabitants or more: 1920.

Plate
No. Ttile.
383
383 Owned mortgaged homes-average value and average mortgage debt per home, for cities having, in 1890, 100,000 inhabitants or more: 1920 and 1890.

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385 2. Owned mortgaged homes not on farms-per cent of total number and total mortgage debt bearing specified rates of interest, for the Vinted States: 1920 and 1890.
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386 2. Owned mortgaged homes not on farms-average annual interest charge per home, by geographic divisions: 1920 and 1890.
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388 2. Owned mortgaged homes-average annual interest charge per home, for cities having 100,000 inhabitants or more: 1920.
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1. PER CENT OF HOMES OWNED MORTGAGED, OWNED FREE, AND RENTED, FOR CITIES HAVING 100,000 INHABITANTS OR MORE: 1920.
2. OWNED MORTGAGED HOMES NOT ON FARMS-RATIO (PER CENT) OF MORTGAGE DEBT TO VALUE, BY STATES: 1920 AND 1890.

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I. OWNED HOMES NOT ON FARMS-PER CENT FREE, AND MORTGAGED, BY SECTIONS AND GEOGRAPHIC DIVISIONS: 1890-1920.

2. OWNED HOMES NOT ON FARMS-PER CENT MORTGAGED, BY STATES: 1920 AND 1890.


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[District of Columbia, 55.4 per cent, not shown separately on the map.]

2. OWNED HOMES NOT ON FARMS - PER CENT MORTGAGED: 1890.
[District of Columbia, 24 per cent, not shown separately on the map. No mortgaged homes were reported for Oklahoma in 1890.]

3. OWNED HOMES-PER CENT MORTGAGED, FOR CITIES HAVING 100,000 INHABITANTS

OR MORE: 1920.

2. OWNED MORTGAGED HOMES-RATIO (PER CENT) OF MORTGAGE DEBT TO VALUE, FOR CITIES HAVING 100,000 INHABITANTS OR MORE: 1920.


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2. OWNED MORTGAGED HOMES NOT ON FARMS-AVERAGE VALUE AND AVERAGE MORTGAGE DEBT PER HOME, BY SECTIONS AND GEOGRAPHIC DIVISIONS: 1920 AND 1890.

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2. OWNED MORTGAGED HOMES-AVERAGE VALUE AND AVERAGE MORTGAGE DEBT PER HOME, FOR CITIES HAVING 100,000 INHABITANTS OR MORE: 1920.


OWNED MORTGAGED HOMES-AVERAGE VALUE AND AVERAGE MORTGAGE DEBT PER HOME, FOR CITIES HAVING, IN 1890, 100,000 INHABITANTS OR MORE: 1920 AND 1890.


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[District of Columbia, 46.4 per cent, not shown separately on the map.]

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[District of Columbia, 34.6 per cent, notshown separately on the map. Nomortgaged homes werereported for Oklahoma in 1890.]

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4. OWNED MORTGAGED HOMES NOT ON FARMS - PER CENT OF TOTAL NUMBER AND TOTAL MORTGAGE DEBT BEARING SPECIFIED RATES OF INTEREST, FOR THE

5. OWNED MORTGAGED HOMES NOT ON FARMS-AVERAGE ANNUAL RATE OF INTEREST, BY GEOGRAPHIC DIVISIONS: 1920 AND 1890.

6. OWNED MORTGAGED HOMES NOT ON FARMS-AVERAGE ANNUAL INTEREST CHARGE PER HOME, BY GEOGRAPHIC DIVISIONS: 1920 AND 1890.

7. OWNED MORTGAGED HOMES NOT ON FARMS-AVERAGE ANNUAL RATE OF INTEREST, BY STATES: 1920 AND 1890.

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## STATISTICS OF STATES <br> PLATES 390-391

## STATISTICS OF STATES.

## Plate No.

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2. Per cent distribution of revenue receipts of the 48 states from the several sources of revenue for specified years: 1915-1922.
3. Per capita revenue receipts, by principal classes, of the 48 states for specified years: 1915-1922.
4. Per capita payments for principal general departmental expenses of the 48 states for specified years: 19151922.
5. Per cent distribution of governmental-cost payments of the 48 states for specified years: 1915-1922.
6. Per capita governmental-cost payments of the 48 states for specified years: 1915-1922.

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1. Per cent distribution of principal general departmental expenses of the 48 states for specified years: $1915-$ 1922.
2. Gross debt, at the close of the year, of the 48 states for specified years: 1915-1922.
3. Per capita gross debt, at the close of the year, of the 48 states for specified years: 1915-1922.
4. Per capita payments for specified general departmental outlays of the 48 states for specified years: 1915-1922.
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6. Per capita net debt, at the close of the year, of the 48 states for specified years: 1915-1922.
7. REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.

8. PER CENT DISTRIBUTION OF REVENUE RECEIPTS OF THE 48 STATES FROM THE SEVERAL SOURCES OF REVENUE FOR SPECIFIED YEARS: 1915-1922.

9. PER CAPITA REVENUE RECEIPTS, BY PRINCIPAL CLASSES, OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.

10. PER CAPITA PAYMENTS FOR PRINCIPAL GENERAL DEPARTMENTAL EX PENSES OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.

11. PER CENT DISTRIBUTION OF GOVERNMENTAL-COST PAYMENTS OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.


PER CAPITA GOVERNMENTAL-COST PAYMENTS OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.


1. PER CENT DISTRIBUTION OF PRINCIPAL GENERAL DEPARTMENTAL EXPENSES OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.

2. GROSS DEBT, AT THE CLOSE OF THE YEAR, OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922

3. PER CAPITA GROSS DEBT, AT THE CLOSE OF THE YEAR, OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922.

4. PER CAPIŤA PAYMENTS FOR SPECIFIED GENERAL DEPARTMENTAL OUTLAYS OF THE 48 STATES FOR SPECIFIED YEARS: 1915-1922
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# STATISTICS OF CITIES 

PLATES 392-395

## STATISTICS OF CITIES.



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2. Per capita gross debt, at the close of the year, of 146 cities for specified years: 1903-1922.
3. Per capita net indebtedness, at the close of the year, of 146 cities for specified years: 1903-1922.
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LOCATION OF CITIES IN THE UNITED STATES HAVING A POPULATION OF OVER 30,000 AT THE MIDDLE OF THE FISCAL YEAR 1922.


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V/\} \ / PER CENT IN CITIES WITH 3 0 , 0 0 0 OR MORE POPULATION WШWIU PER CENT OUTSIDE SUCH CITIES
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4. PER CAPITA NET PAYMENTS FOR GOVERNMENTAL-COSTS, BY PRINCIPAL CLASSES, OF 146 CITIES FOR SPECIFIED YEARS: 1903-1922.

D EXPENSES OF GENERAL DEPARTMENTS
EXPENSES OF PUBLIC SERVICE ENTERPRISES

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2. PER CENT DISTRIBUTION OF NET REVENUE RECEIPTS OF 146 CITIES FROM THE SEVERAL SOURCES OF REVENUE FOR SPECIFIED YEARS: 1903-1922.
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3. PÉR CENT DISTRIBUTION OF NET GOVERNMENTAL-COST PAYMENTS OF 146 CITIES FOR SPECIFIED YEARS: 1903-1922.








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5. PER CENT DISTRIBUTION OF PRINCIPAL GENERAL DEPARTMENTAL EXPENSES OF ALL CITIES OF OVER 30,000 INHABITANTS FOR SPECIFIED YEARS: 1903-1922.

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7. PER CAPITA NET INDEBTEDNESS, AT THE CLOSE OF THE YEAR, 'JF 146 CITIES FOR SPECIFIED YEARS: 1903-1922.


PER CAPITA PAYMENTS FOR PRINCIPAL GENERAL DEPARTMENTAL OLATE No. 395 ALL CITIES OF OVER 30.000 INHABITANTS FOR SPECIFIED YEARS: 1903-1922.

5. GROSS DEBT, AT THE CLOSE OF THE YEAR, OF 146 CITIES FOR SPECIFIED YEARS: 1903-1922.

6. PER CAPITA SINKING FUND ASSETS, AT THE CLOSE OF THE YEAR OF 146 CITIES FOR SPECIFIED YEARS: 1903-1922.


# VITAL STATISTICS <br> PLATES 396-412 

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## VITAL STATISTICS.

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406 2. Death rates from cancer and other malignant tumors per 100,000 population in the registration states of 1910: 1910 and 1920.
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6. Death rates from organic diseases of the heart per 100,000 population in the registration states of 1910: 1910 and 1920.
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409 2. Death rates from acute nephritis and Bright's disease per 100,000 population in the registration states of 1910: 1910 and 1920.
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411 Infant mortality, by country of birth of mother, in the registration area: 1922.
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8. DEATH RATES FROM ACUTE NEPHRITIS AND BRIGHT'S DISEASE PER 100,000 POPULATION IN THE REGISTRATION STATES OF $1910: 1910$ AND 1920.



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1. DEATH RATES FROM PUERPERAL SEPTICEMIA PER 100,000 FEMALE POPULATION IN THE REGISTRATION STATES OF 1910: 1910 AND 1920.

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INFANT MORTALITY, BY COUNTRY OF BIRTH OF MOTHER, IN THE REGISTRATION AREA: 1922.

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INFANT MORTALITY, BY COUNTRY OF BIRTH OF MOTHER, IN THE REGISTRATION AREA: 1922.

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[^0]:    ${ }^{1}$ The mathematical demonstration of this is simple. If $\mathrm{A}, \mathrm{B}, \mathrm{C}$, and $D$ represent, respectively, the population of the northwestern, wortheastern, southcastern, and southwestern sertions, then:
    $A+B=\frac{1}{2}$ population of U.S.
    $\mathrm{B}+\mathrm{C}=\frac{1}{2}$ population of $\mathrm{U} . \mathrm{S}$.
    $\mathrm{A}+\mathrm{B}=\mathrm{B}+\mathrm{C}$
    Therefore $\mathrm{A}=\mathrm{C}$
    Similarly it may be proven that $\mathrm{B}=\mathrm{D}$.

[^1]:    (IIIIITS NATIVE WHITE, NATIVE PARENTAGE
    媒猃 NATIVE WHITE, FOREIQN OR MIXED PARENTAGE
    NATIVE WHITE, FOREIGN OR MIXED PARENTAGE
    FOREIGN-BORN WHITE
    NEGRO AND ALL OTHER

[^2]:    _._ births by color, and for white children by parent nativity in: 1922

