

DEPARTMENT OF COMMERCE AND LABOR  
BUREAU OF THE CENSUS

E. DANA DURAND, DIRECTOR

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THIRTEENTH CENSUS OF THE UNITED STATES  
TAKEN IN THE YEAR 1910

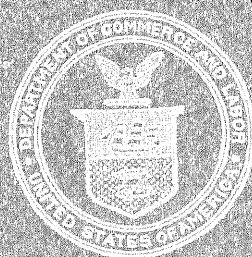
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STATISTICS  
FOR  
WEST VIRGINIA

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

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REPRINT OF THE SUPPLEMENT FOR WEST VIRGINIA PUBLISHED IN CONNECTION WITH THE  
ABSTRACT OF THE CENSUS



WASHINGTON  
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## THIRTEENTH CENSUS PUBLICATIONS.

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

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

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

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

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# SUPPLEMENT FOR WEST VIRGINIA



POPULATION  
AGRICULTURE  
MANUFACTURES  
MINES AND QUARRIES

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(565)

# CHAPTER I.

## NUMBER OF INHABITANTS.

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

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

Table 2 (p. 579) shows the cities and incorporated towns and villages in West Virginia, alphabetically arranged, with their population in 1910, 1900, and 1890.

The population of West Virginia, by counties, at each of the last five censuses, from 1870 to 1910, inclusive; the increase during the last two decades; the density of the total and the rural population at the census of 1910; and the distribution of the population at the last two censuses according to urban and rural districts, are given in Table I of Chapter 2.

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

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

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

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

The comparisons of the urban and rural population in 1910 with that at earlier enumerations may be made either with respect to the varying proportions of the two classes at successive enumerations or with respect to the increase between enumerations. In order to contrast the *proportion* of the total population living in urban or rural territory at the census of 1910 with the proportion urban or rural at the preceding census, it is necessary to classify the territory according to the conditions as they existed at each census. In this comparison a place having less than 2,500 inhabitants in 1900 and over 2,500 in 1910 is classed with the rural population for 1900 and with the urban for 1910. On the other hand, in order to present fairly the contrast between urban and rural communities, as regards their *rate of growth*, it is necessary to consider the changes in population for the *same* territory which have occurred from one decennial census to another. For this purpose the territory which in 1910 was urban or rural, as the case may be, is taken as the basis, and the population in 1900 for the same territory (so far as separately reported at that census) is presented, even though part of the territory may, on the basis of its population at the earlier census, have

**HISTORICAL NOTE.**—West Virginia derives its name from that of the parent state, which was called Virginia in honor of Elizabeth of England, the "Virgin Queen."

The territory now forming West Virginia was included in the grant made by the English King to the Virginia Company in 1609. It was later claimed by France by virtue of the explorations of Marquette, Joliet, La Salle, and others in the Mississippi Valley. The French claims were, however, extinguished in 1763 by the treaty of peace which concluded the French and Indian War. The Six Nations also claimed this territory by right of conquest, but in 1768 ceded their title to England by the treaty made at Fort Stanwix, N. Y.

For many years after the settlement of the eastern part of Virginia the western portion, which now constitutes West Virginia, remained unexplored. It was probably first visited by white men in 1669. In that year John Lederer, a German surgeon, in the employ of Gov. Berkeley of Virginia, made a tour of exploration westward, probably reaching the summit of the mountains which form the eastern boundary of West Virginia, and in the same year La Salle is believed to have sailed down the Ohio River, thus skirting the western boundary. Two years later Thomas Batts penetrated the state as far as the falls of the Kanawha. The date of the first settlement within the present limits of the state is uncertain, but it is known that as early as 1727 settlers from Pennsylvania had located in the northeastern part of the state at New Mecklenberg, now Shepherdstown. A few years later Scotch-Irish pioneers began to settle in western Virginia and some of them crossed the mountains into what is now West Virginia.

By the charter of Maryland granted in 1632 Virginia was deprived of the territory now constituting Maryland and nominally of a tract now in northeastern West Virginia, but notwithstanding the terms of the charter continued to retain jurisdiction over the latter region until it became a part of the state of West Virginia. The boundary dispute between Pennsylvania and Virginia was settled in 1779, when the western boundary and the western part of the southern boundary of Pennsylvania were fixed at their present location. In 1784 Virginia ceded to the United States its lands west of the Ohio River, and in 1792 the territory south of the Ohio, which up to this time had formed a part of Virginia, became the state of Kentucky. Thus the area of Virginia was reduced to the territory now comprising the states of Virginia and West Virginia.

At the outbreak of the Civil War that part of Virginia lying northwest of the Alleghenies remained loyal to the Union. A convention of delegates elected by the people of that portion of the state met at Wheeling in June, 1861, after Virginia had seceded, adopted a declaration of independence of the mother state, took measures for the establishment of a provisional government, and elected a governor. Another convention met at Wheeling in November, 1861, and framed a constitution for the state, which was ratified by popular vote in the following April. On June 20, 1863, West Virginia became a state of the Union, by act of Congress approved December 31, 1862.

In 1863 the counties of Berkeley and Jefferson were transferred from Virginia to West Virginia and in 1866 Congress recognized and approved the transfer. This left both states with substantially their present limits.

then been in a different class. This avoids the disturbing effect on comparisons which would arise from the passage, for example, of communities formerly classed as rural into the urban group. These

two distinct forms of comparison are made in Table I of Chapter 2 for the state as a whole and for each county separately for the last two censuses.

### TOTAL POPULATION, INCREASE, AND DISTRIBUTION.

**Population of the state.**—The population of West Virginia is 1,221,119. Compared with a population of 958,800 in 1900, this represents an increase during the last decade of 262,319, or 27.4 per cent. During the same period the total population of the United States increased 21 per cent. The percentage of increase for the state during the last decade has been larger than that shown for any other decade since 1880.

West Virginia was set off from Virginia in 1862. It appeared separately in the Federal census reports for

first time in 1870. That part of Virginia taken to form West Virginia had a population as follows: 1860, 376,688; 1850, 302,313; 1840, 224,537; 1830, 176,924; 1820, 136,808; 1810, 105,469; 1800, 78,592; 1790, 55,873.

The following table shows the population of West Virginia at each census from 1870 to 1910, inclusive, together with the increase and per cent of increase during each decade, in comparison with the per cent of increase for the United States as a whole.

| CENSUS YEAR. | Population. | INCREASE OVER PRECEDING CENSUS. |           | Per cent of increase for the United States. |
|--------------|-------------|---------------------------------|-----------|---|
|              |             | Number.                         | Per cent. |   |
| 1910.....    | 1,221,119   | 262,319                         | 27.4      | 21.0  |
| 1900.....    | 958,800     | 196,006                         | 25.7      | 20.7  |
| 1890.....    | 762,794     | 144,337                         | 23.3      | 25.5  |
| 1880.....    | 618,457     | 176,443                         | 39.9      | 30.1  |
| 1870.....    | 442,014     | .....                           | .....     | .....                                       |

The above table shows that during the 40 years since 1870 the population of the state has increased nearly three times, the highest percentage of increase, 39.9, being for the decade 1870-1880, and the lowest, 23.3, for the decade 1880-1890. During the 70 years from 1790 to 1860 the population of the territory now comprising West Virginia, but which at that time was part of Virginia, increased nearly seven times, the highest percentage of decennial increase falling below 25 per cent but once during this period. The population of West Virginia in 1910 was almost twenty-two times the population of the same area in 1790.

A comparison of the rates of increase for the state with those for the United States, as given in the preceding table, shows that during the 40 years covered by this table the rate of increase for the state was higher than the rate of increase for the United States for every decade except that from 1880 to 1890. The difference between the two rates, however, was not large at any time, being greatest in the decade 1870-1880, when the rate for the state was nearly one-third higher than the rate for the country as a whole. During the 40 years in which the population of the state increased almost three times, the population of the United States increased more than two and one-third times.

**Principal cities.**—West Virginia has 31 cities. Wheeling, the largest, has a population of 41,641, and Huntington, the second city, a population of 31,161. Charleston, Parkersburg, Bluefield, and Martinsburg, with 22,996, 17,842, 11,188, and 10,698 inhabitants, respectively, are the only other cities in the state having over 10,000 inhabitants. There

are also 6 cities having from 5,000 to 10,000, 9 from 2,500 to 5,000, and 10 less than 2,500 inhabitants. The aggregate population of the 31 cities is 232,618, or 19 per cent of the total population of the state.

Table 2 shows the population in 1910 of all the cities of the state with comparative figures, where possible, for 1900 and 1890. The table on page 569 shows the population of the 10 largest cities in 1910, at each census since their incorporation either as cities, towns, or villages, so far as figures are available, together with the increase during each decade.

Of the cities included in this table, Morgantown shows the highest percentage of increase during the last decade, namely, 382.8 per cent, and Wheeling the lowest, 7.1 per cent. The high rate shown for Morgantown is due in large part to the annexation of three towns during the decade.

Bluefield, Charleston, Clarksburg, Huntington, and Morgantown each show a percentage of increase during the last decade of over 100 per cent. Six of the 10 cities included in the following table show higher percentages of increase during the last decade than during the preceding decade, 1890-1900.

The increase in the population of Wheeling was less during the last decade than during any preceding decade since its incorporation as a city, the rate of increase, 7.1 per cent, being only a little more than half the rate for either of the two preceding decades. The largest increase, both absolute and relative, in the city's population, was during the decade 1870-1880, namely, 11,457, or 59.4 per cent. The percentages of increase for the three decades from 1840 to 1870 ranged from 23.2 to 45 per cent.

| CITY AND CENSUS YEAR. | Population. | INCREASE <sup>1</sup> OVER PRE-<br>CEDING CENSUS. |           | CITY AND CENSUS YEAR.         | Population. | INCREASE <sup>1</sup> OVER PRE-<br>CEDING CENSUS. |           |
|-----------------------|-------------|---|-----------|-------------------------------|-------------|---|-----------|
|                       |             | Number.   | Per cent. |                               |             | Number.   | Per cent. |
| <b>Bluefield:</b>     |             |   |           | <b>Martinsburg—Continued.</b> |             |   |           |
| 1910.....             | 11,188      | 6,544   | 140.9     | 1880.....                     | 6,335       | 1,472   | 30.3      |
| 1900.....             | 4,644       | 2,869   | 161.6     | 1870.....                     | 4,863       | 1,499   | 44.6      |
| 1890.....             | 1,776       |   |           | 1860.....                     | 3,364       | 1,174   | 53.6      |
|                       |             |   |           | 1850.....                     | 2,190       |   |           |
| <b>Charleston:</b>    |             |   |           | <b>Morgantown:</b>            |             |   |           |
| 1910.....             | 22,996      | 11,897  | 107.2     | 1910.....                     | 9,150       | 7,255   | 382.8     |
| 1900.....             | 11,099      | 4,357   | 64.6      | 1900.....                     | 1,895       | 884   | 87.4      |
| 1890.....             | 0,742       | 2,850   | 60.8      | 1890.....                     | 1,011       | 268   | 35.7      |
| 1880.....             | 4,192       | 1,030   | 32.6      | 1880.....                     | 745         | —62   | —6.5      |
| 1870.....             | 3,162       | 1,642   | 108.0     | 1870.....                     | 797         | 56  | 7.0       |
| 1860.....             | 1,520       | 470   | 44.8      | 1860.....                     | 741         |   |           |
| 1850.....             | 1,050       |   |           |                               |             |   |           |
| <b>Clarksburg:</b>    |             |   |           | <b>Moundsville:</b>           |             |   |           |
| 1910.....             | 0,201       | 5,151   | 127.2     | 1910.....                     | 8,918       | 3,556   | 66.3      |
| 1900.....             | 4,050       | 1,042   | 34.6      | 1900.....                     | 5,362       | 2,674   | 99.5      |
| 1890.....             | 3,008       | 701   | 30.4      | 1890.....                     | 2,688       | 914   | 51.5      |
| 1880.....             | 2,307       |   |           | 1880.....                     | 1,774       | 274   | 18.3      |
| 1870.....             |             |   |           | 1870.....                     | 1,500       | 414   | 38.1      |
| 1860.....             | 895         |   |           | 1860.....                     | 2,108       | 145   | 15.4      |
|                       |             |   |           | 1850.....                     | 2,041       |   |           |
| <b>Fairmont:</b>      |             |   |           | <b>Parkersburg:</b>           |             |   |           |
| 1910.....             | 9,711       | 4,056   | 71.7      | 1910.....                     | 17,842      | 6,139   | 52.5      |
| 1900.....             | 5,655       | 4,682   | 452.8     | 1900.....                     | 11,703      | 3,205   | 39.2      |
| 1890.....             | 1,023       | 123   | 13.7      | 1890.....                     | 8,408       | 1,526   | 27.7      |
| 1880.....             | 900         | 44.9  |           | 1880.....                     | 6,552       | 1,036   | 18.7      |
| 1870.....             | 621         | —83   | —11.8     | 1870.....                     | 5,546       | 3,063   | 122.5     |
| 1860.....             | 704         | 21  | 3.1       | 1860.....                     | 2,493       | 1,275   | 104.7     |
| 1850.....             | 683         |   |           | 1850.....                     | 1,218       |   |           |
| <b>Huntington:</b>    |             |   |           | <b>Wheeling:</b>              |             |   |           |
| 1910.....             | 31,161      | 19,238  | 161.4     | 1910.....                     | 41,641      | 2,763   | 7.1       |
| 1900.....             | 11,923      | 1,815   | 18.0      | 1900.....                     | 38,878      | 4,356   | 12.6      |
| 1890.....             | 10,103      | 6,934   | 218.5     | 1890.....                     | 34,522      | 3,785   | 12.3      |
| 1880.....             | 3,174       |   |           | 1880.....                     | 30,737      | 11,457  | 59.4      |
|                       |             |   |           | 1870.....                     | 19,280      | 5,197   | 35.9      |
| <b>Martinsburg:</b>   |             |   |           | 1860.....                     | 14,083      | 2,648   | 23.2      |
| 1910.....             | 10,698      | 3,134   | 41.4      | 1850.....                     | 11,435      | 3,550   | 45.0      |
| 1900.....             | 7,564       | 338   | 4.7       | 1840.....                     | 7,885       |   |           |
| 1890.....             | 7,226       | 891   | 14.1      |                               |             |   |           |

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

<sup>2</sup> Combined population of Elizabethtown and Moundsville, consolidated and incorporated as Moundsville town in 1863.

Counties.—West Virginia has 55 counties. The population of these counties ranges from 7,838 in Grant County to 81,457 in Kanawha County.

There have been no changes in the territorial boundaries of the counties since 1900.

Forty-four counties have increased in population during the last decade, the rates of increase ranging from 2 per cent in Pendleton and Wayne Counties to 155.3 per cent in McDowell County, and the absolute increases from 182 in Pendleton County to 29,109 in McDowell County. Nineteen counties show a larger rate of increase than is shown for the state as a whole, which, as before stated, was 27.4 per cent. Eleven counties have decreased in population during the last decade, the rates of decrease ranging from three-tenths of 1 per cent in Jefferson County to 13.6 per cent in Pleasants County, and the absolute decreases from 46 in Jefferson County to 2,041 in Tyler County. The aggregate increase of population from 1900 to 1910 in the 44 counties that show an increase is 272,681; the aggregate decrease of population in the 11 counties that show a decrease is 10,362. The difference, 262,319, is the total increase of population in the state.

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

Density of population.—The total land area of the state is 24,022 square miles. The average number of persons to the square mile in 1910 was 50.8; in 1900 and 1890 it was 39.9 and 31.8, respectively. The average number per square mile for the United States as a whole in 1910 was 30.9. In density of population West Virginia ranks fifteenth among the states.

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

Randolph County, with 1,036 square miles, has the largest area, and Hancock County, with 83 square miles, has the smallest area. Ohio County, containing Wheeling city, has the highest density of any county, namely, 538.1 persons per square mile, while Pendleton County, with 13.4 persons per square mile, has the lowest density.

Minor civil divisions.—The political divisions into which counties are subdivided are collectively termed "Minor civil divisions." In West Virginia the counties are divided into 350 magisterial districts. There are also 209 secondary divisions, comprising 31 cities, 166 towns, and 12 villages. These secondary divisions usually form parts of their respective districts, but 1 city comprises the whole of five magisterial districts and parts of two others, 1 city comprises

| CITY AND CENSUS YEAR. | Population. | INCREASE <sup>1</sup> OVER PRE-<br>CEDING CENSUS. |           | CITY AND CENSUS YEAR.         | Population. | INCREASE <sup>1</sup> OVER PRE-<br>CEDING CENSUS. |           |
|-----------------------|-------------|---|-----------|-------------------------------|-------------|---|-----------|
|                       |             | Number.   | Per cent. |                               |             | Number.   | Per cent. |
| <b>Bluefield:</b>     |             |   |           | <b>Martinsburg—Continued.</b> |             |   |           |
| 1910.....             | 11,188      | 6,544   | 140.9     | 1880.....                     | 6,335       | 1,472   | 30.3      |
| 1900.....             | 4,644       | 2,869   | 161.6     | 1870.....                     | 4,863       | 1,499   | 44.6      |
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|                       |             |   |           | 1850.....                     | 2,190       |   |           |
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| 1880.....             | 4,102       | 1,030   | 32.6      | 1880.....                     | 745         | -62   | -6.5      |
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| 1910.....             | 9,201       | 5,151   | 127.2     | 1900.....                     | 5,362       | 2,074   | 99.5      |
| 1900.....             | 4,050       | 1,042   | 34.6      | 1890.....                     | 2,688       | 914   | 51.6      |
| 1890.....             | 3,008       | 701   | 30.4      | 1880.....                     | 1,774       | 274   | 18.3      |
| 1880.....             | 2,307       |   |           | 1870.....                     | 1,600       | 414   | 38.1      |
| 1870.....             |             |   |           | 1860.....                     | 1,086       | 145   | 15.4      |
| 1860.....             | 895         |   |           | 1850.....                     | 941         |   |           |
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| 1910.....             | 9,711       | 4,056   | 71.7      | 1910.....                     | 17,842      | 6,139   | 52.5      |
| 1900.....             | 5,655       | 4,032   | 452.8     | 1900.....                     | 11,703      | 3,295   | 39.2      |
| 1890.....             | 1,023       | 123   | 13.7      | 1890.....                     | 8,408       | 1,826   | 27.7      |
| 1880.....             | 900         | 279   | 44.9      | 1880.....                     | 6,582       | 1,036   | 18.7      |
| 1870.....             | 621         | -83   | -11.3     | 1870.....                     | 5,546       | 3,063   | 122.5     |
| 1860.....             | 704         | 21  | 3.1       | 1860.....                     | 2,493       | 1,275   | 104.7     |
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the whole of one magisterial district and parts of two others, and 3 cities are coextensive with the magisterial districts in which they are located.

Urban and rural population compared.—The following table presents the population of West Virginia at the censuses of 1910, 1900, and 1890, respectively,

distributed among cities, towns, and villages grouped according to specified limits of population, together with the percentage of the total population contained in each group at each of the censuses named. The classification is based upon the population of each place as it existed at each census.

| CLASS OF PLACES.  | 1910              |                | 1900              |                | 1890              |                | PER CENT OF TOTAL POPULATION. |             |             |
|---|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------------------|-------------|-------------|
|   | Number of places. | Population.    | Number of places. | Population.    | Number of places. | Population.    | 1910                          | 1900        | 1890        |
| Total population.....   |                   | 1,221,119      |                   | 958,800        |                   | 762,794        | 100.0                         | 100.0       | 100.0       |
| <b>Urban territory.....</b>                                     | <b>25</b>         | <b>228,242</b> | <b>16</b>         | <b>125,465</b> | <b>10</b>         | <b>81,365</b>  | <b>18.7</b>                   | <b>13.1</b> | <b>10.7</b> |
| Cities and towns of—  |                   |                |                   |                |                   |                |                               |             |             |
| 25,000 inhabitants or more.....                                 | 2                 | 72,802         | 1                 | 38,878         | 1                 | 34,522         | 6.0                           | 4.1         | 4.5         |
| 10,000 to 25,000 inhabitants.....                               | 4                 | 62,724         | 3                 | 34,725         | 1                 | 10,108         | 5.1                           | 3.6         | 1.3         |
| 5,000 to 10,000 inhabitants.....                                | 6                 | 49,803         | 4                 | 24,231         | 3                 | 22,376         | 4.1                           | 2.5         | 2.9         |
| 2,500 to 5,000 inhabitants.....                                 | 13                | 42,913         | 8                 | 27,631         | 5                 | 14,359         | 3.5                           | 2.9         | 1.9         |
| <b>Rural territory.....</b>                                     |                   | <b>992,877</b> |                   | <b>833,335</b> |                   | <b>681,429</b> | <b>81.3</b>                   | <b>86.9</b> | <b>89.3</b> |
| Cities, towns, and villages of less than 2,500 inhabitants..... | 184               | 132,398        | 123               | 80,236         | 80                | 54,254         | 10.8                          | 8.4         | 7.1         |
| Other rural territory.....                                      |                   | 860,479        |                   | 753,099        |                   | 627,175        | 70.5                          | 78.5        | 82.2        |

As shown by the above table, the urban territory of the state in 1910—that is, cities and incorporated towns of 2,500 or more inhabitants—contained 228,242 inhabitants, or 18.7 per cent of the total population, while 992,877 inhabitants, or 81.3 per cent, lived in rural territory. The urban territory as it existed in 1900—that is, the cities and incorporated towns then having 2,500 inhabitants or more—contained 125,465 inhabitants, or 13.1 per cent of the total population, while 833,335 inhabitants, or 86.9 per cent, lived in rural territory. There has thus been a considerable increase in the proportion of urban population. For the United States as a whole the urban population constituted 46.3 per cent of the total population in 1910 and 40.5 per cent of the total population in 1900.

In 1890 and 1900 Wheeling, the only city in the state then having over 25,000 inhabitants, contained 4.5 and 4.1 per cent, respectively, of the total population of the state. By 1910 Huntington had passed the 25,000 population mark, making two cities in the state having more than 25,000 inhabitants each, their combined population comprising 6 per cent of the total population of the state.

The proportion of the population of the state in the combined groups of smaller urban places, those having from 2,500 to 25,000 inhabitants, increased from 6.1 per cent in 1890 to 9 per cent in 1900 and to 12.7 per cent in 1910.

The urban population of the state is contained in 25 places of 2,500 inhabitants or more each, comprising 21 cities and 4 towns. The 184 places of less than 2,500 inhabitants each, comprising 10 cities, 162 towns, and 12 villages, have an aggregate population of 132,398, or 10.8 per cent of the total population of the state. These places comprise 46 having from 1,000 to 2,500 inhabitants each, with a combined population

of 71,628; 55 having from 500 to 1,000 inhabitants each, with a combined population of 38,535; and 83 having less than 500 inhabitants each, with a combined population of 22,235. The population living in unincorporated territory represents 70.5 per cent of the total population of the state.

The above table shows further that in all incorporated places, including those of less than 2,500 inhabitants, there was in 1910 a population of 360,640, or 29.5 per cent of the population of the state. The population of all incorporated places, as they existed in 1900, was 205,701, or 21.5 per cent of the population of the state.

Table I of Chapter 2 shows that 19 counties have a larger proportion and 3 counties a smaller proportion of urban population in 1910 than in 1900, while 33 counties were wholly rural at both censuses.

In order to compare the *rate of growth* in urban and rural communities it is necessary in each case, as previously explained, to consider the changes in population which have occurred in the *same* territory from one decennial census to another. With this end in view places classed as urban or rural according to their population in 1910 are taken as a basis, and the aggregate population in 1910 and in 1900 of the same places is then compared. Thus, as shown in the table on the next page, the total population in 1910 of those cities and towns which at that time had 2,500 inhabitants or more was 228,242; in 1900 the total population of these same places (so far as separately reported) was 137,464. It may be noted that the latter figure exceeds the total population in 1900 of those cities and towns which at that time had over 2,500 inhabitants each, 125,465 (see table above), by 11,999. The difference is the net result of the passage since 1900 of certain communities from the rural to the urban class and vice versa, and of annexations of territory during the same period.



A comparison of the total population in 1910 of cities and towns having a population of not less than 2,500 each with the total population of the same places in 1900, as given in the table in the next column, shows an increase of 66 per cent. During the same period the rural population, comprising that of the remainder of the state, increased 20.9 per cent. Urban population thus increased a little more than two and one-third times as rapidly as that of the state as a whole, and more than three times as rapidly as rural population. For the United States as a whole urban population increased 34.9 per cent in the last decade and rural population 11.2 per cent. As shown by Table I of Chapter 2 there are 15 counties in West Virginia in which rural population decreased, but only 1 in which there was a decrease of urban population.

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

From this table it appears that the combined population of the group of urban places having 25,000 inhabitants or more increased during the last decade nearly one and one-half times as rapidly, and the population of the group of places having from 2,500 to 25,000 inhabitants a little more than three times as rapidly, as the population of the state as a whole, while the rate of increase in rural territory was considerably lower than the rate for the state as a whole.

It also appears from this table that of the increase in the total population of the state during the decade, namely, 262,319, nearly two-thirds was in rural territory.

| CLASS OF PLACES.             | POPULATION. |         | INCREASE:<br>1900-1910 |           |
|------------------------------|-------------|---------|------------------------|-----------|
|                              | 1910        | 1900    | Number.                | Per cent. |
| The state.....               | 1,221,119   | 958,800 | 262,319                | 27.4      |
| Urban territory in 1910..... | 228,242     | 137,464 | 90,778                 | 66.0      |
| Cities and towns of—         |             |         |                        |           |
| 25,000 or more in 1910.....  | 72,802      | 52,381  | 20,421                 | 39.0      |
| 2,500 to 25,000 in 1910..... | 155,440     | 85,083  | 70,357                 | 82.7      |
| Remainder of the state.....  | 992,877     | 821,336 | 171,541                | 20.9      |





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

(District means magisterial district. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.)

| MINOR CIVIL DIVISION.   | 1910          | 1900          | 1890          | MINOR CIVIL DIVISION.   | 1910          | 1900          | 1890          |
|---|---------------|---------------|---------------|---|---------------|---------------|---------------|
| <b>Barbour County</b> .....   | <b>15,858</b> | <b>14,198</b> | <b>12,702</b> | <b>Cabell County</b> .....  | <b>46,685</b> | <b>29,252</b> | <b>23,595</b> |
| Barker district, including Junior town and wards 3 and 4 of Belington city..... | 2,675         | 2,400         | 1,725         | Barboursville district, including Barboursville town.....   | 2,840         | 2,118         | 1,838         |
| Belington city (part of).....   | 742           | 490           |               | Barboursville town.....   | 907           | 429           |               |
| Total for Belington city <sup>1</sup> in Barker and Valley districts.....       | 1,431         | 490           |               | Grant district, including Milton town.....  | 4,266         | 3,825         | 3,391         |
| Ward 1.....   | 425           |               |               | Milton town.....  | 837           | 532           | 648           |
| Ward 2.....   | 314           |               |               | Guyandotte district, <sup>10</sup> including Guyandotte town and Huntington city.....   | 33,208        | 17,322        | 13,545        |
| Ward 3.....   | 401           |               |               | Guyandotte town.....  | 1,702         | 1,450         | 1,502         |
| Ward 4.....   | 341           |               |               | Huntington city <sup>10</sup> .....   | 51,161        | 11,923        | 10,108        |
| Junior town.....  | 435           | 355           |               | Ward 1.....   | 5,685         |               |               |
| Cove district.....  | 1,770         | 1,894         | 1,956         | Ward 2.....   | 5,712         |               |               |
| Elk district.....   | 723           | 874           | 812           | Ward 3.....   | 8,779         |               |               |
| Glade district.....   | 1,286         | 1,535         | 1,517         | Ward 4.....   | 10,985        |               |               |
| Philippi district, including Philippi city.....                                 | 3,652         | 2,769         | 2,443         | McComas district.....   | 3,174         | 2,703         | 2,178         |
| Philippi city <sup>2</sup> .....  | 1,033         | 665           | 373           | Union district.....   | 3,197         | 3,224         | 2,643         |
| Ward 1.....   | 250           |               |               |   |               |               |               |
| Ward 2.....   | 250           |               |               | <b>Calhoun County</b> .....   | <b>11,258</b> | <b>10,266</b> | <b>8,155</b>  |
| Ward 3.....   | 233           |               |               | Center district, including Grantsville town.....  | 1,784         | 1,577         | 1,395         |
| Ward 4.....   | 260           |               |               | Grantsville town.....   | 282           | 225           |               |
| Pleasant district.....  | 2,050         | 1,851         | 1,620         | Lee district.....   | 3,104         | 2,761         | 1,965         |
| Union district.....   | 1,696         | 1,280         | 1,171         | Sheridan district.....  | 1,438         | 1,401         | 1,275         |
| Valley district, including wards 1 and 2 of Belington city.....                 | 2,006         | 1,495         | 1,328         | Sherman district.....   | 1,919         | 1,592         | 1,529         |
| Belington city <sup>1</sup> (part of).....                                      | 739           |               |               | Washington district.....  | 3,008         | 2,608         | 1,928         |
|   |               |               |               |   |               |               |               |
| <b>Berkeley County</b> .....  | <b>21,999</b> | <b>19,469</b> | <b>18,702</b> | <b>Clay County</b> .....  | <b>10,233</b> | <b>8,248</b>  | <b>4,659</b>  |
| Arden district <sup>3</sup> .....   | 1,844         | 2,080         | 1,820         | Buffalo district, including Ivydale town.....   | 1,904         | 1,034         | 906           |
| Falling Waters district.....  | 1,266         | 1,241         | 1,188         | Ivydale town <sup>8</sup> .....   | 236           |               |               |
| Gerardstown district.....   | 2,453         | 2,552         | 2,549         | Henry district, including Henry town.....   | 3,034         | 2,781         | 1,091         |
| Hedgesville district, including Hedgesville town.....                           | 2,596         | 2,812         | 2,904         | Henry town.....   | 392           | 359           |               |
| Hedgesville town.....   | 323           | 342           | 443           | Otter district.....   | 1,803         | 1,194         | 851           |
| Martinsburg district, coextensive with Martinsburg city.....                    | 10,698        | 7,584         | 7,223         | Pleasant district.....  | 1,938         | 1,750         | 986           |
| Martinsburg city: <sup>4</sup>  |               |               |               | Union district.....   | 1,494         | 1,489         | 825           |
| Ward 1.....   | 1,008         |               |               |   |               |               |               |
| Ward 2.....   | 2,043         |               |               | <b>Doddridge County</b> .....   | <b>12,672</b> | <b>13,689</b> | <b>12,183</b> |
| Ward 3.....   | 2,401         |               |               | Central district.....   | 1,075         | 1,294         | 1,383         |
| Ward 4.....   | 2,081         |               |               | Cove district.....  | 609           | 843           | 2,067         |
| Ward 5.....   | 1,415         |               |               | Grant district.....   | 2,067         | 2,150         | 2,067         |
| Mill Creek district.....  | 1,571         | 1,530         | 1,276         | Greenbrier district.....  | 1,398         | 1,696         | 1,655         |
| Opequon district <sup>5</sup> .....   | 1,591         | 1,678         | 1,789         | McClellan district.....   | 2,900         | 3,080         | 2,270         |
|   |               |               |               | New Milton district.....  | 1,295         | 1,538         | 1,592         |
|   |               |               |               | Southwest district.....   | 609           | 943           | 1,492         |
|   |               |               |               | West Union district, including West Union town.....   | 2,659         | 2,095         | 1,724         |
|   |               |               |               | West Union town.....  | 779           | 623           | 512           |
|   |               |               |               |   |               |               |               |
| <b>Boone County</b> .....   | <b>10,331</b> | <b>8,194</b>  | <b>6,885</b>  | <b>Fayette County</b> .....   | <b>51,903</b> | <b>31,987</b> | <b>20,542</b> |
| Crook district.....   | 1,466         | 1,503         | 1,189         | Falls district.....   | 6,775         | 1,597         | 1,099         |
| Peytona district.....   | 1,896         | 1,295         | 1,131         | Fayetteville district, including Fayetteville, Glen Jean, Hill Top, Kilsythe, Macdonald, Mount Hope, Oak Hill, Ogden City, Scarbro, and Stuart towns..... | 20,605        | 9,889         | 4,110         |
| Scott district, including Madison town.....                                     | 2,673         | 1,751         | 1,403         | Fayetteville town.....  | 671           | 413           |               |
| Madison town <sup>6</sup> .....   | 295           |               |               | Glen Jean town.....   | 722           |               |               |
| Sherman district.....   | 1,619         | 1,596         | 1,522         | Hill Top town.....  | 761           | 263           |               |
| Washington district.....  | 2,677         | 2,049         | 1,640         | Kilsythe town <sup>11</sup> .....   | 730           |               |               |
|   |               |               |               | Macdonald town <sup>12</sup> .....  | 1,153         |               |               |
|   |               |               |               | Mount Hope town.....  | 494           | 361           |               |
|   |               |               |               | Oak Hill town <sup>11</sup> .....   | 764           |               |               |
|   |               |               |               | Ogden City town <sup>7</sup> .....  | 210           |               |               |
|   |               |               |               | Scarbro town <sup>9</sup> .....   | 1,533         |               |               |
|   |               |               |               | Stuart town <sup>5</sup> .....  | 607           |               |               |
|   |               |               |               | Kanawha district, including Montgomery and Powellton towns.....   | 7,790         | 6,078         | 4,451         |
|   |               |               |               | Montgomery town.....  | 1,833         | 1,594         |               |
|   |               |               |               | Powellton town.....   | 413           | 503           | 491           |
|   |               |               |               | Mountain Cove district, including Ansted, Fayette Station, and Hawks Nest towns.....  | 4,489         | 4,235         | 5,123         |
|   |               |               |               | Ansted town.....  | 1,030         | 1,090         |               |
|   |               |               |               | Fayette Station town <sup>12</sup> .....  | 399           |               |               |
|   |               |               |               | Hawks Nest town.....  | 120           | 109           |               |
|   |               |               |               | Nuttall district.....   | 3,388         | 3,180         |               |
|   |               |               |               | Quinnimont district.....  | 5,525         | 3,360         | 2,659         |
|   |               |               |               | Sewell Mountain district, including Thurmond town.....  | 3,331         | 3,648         | 3,100         |
|   |               |               |               | Thurmond town <sup>11</sup> .....   | 315           |               |               |
|   |               |               |               |   |               |               |               |
|   |               |               |               | <b>Gilmer County</b> .....  | <b>11,379</b> | <b>11,762</b> | <b>9,746</b>  |
|   |               |               |               | Center district.....  | 3,347         | 3,193         | 2,476         |
|   |               |               |               | De Kalb district.....   | 2,145         | 2,336         | 1,974         |

<sup>1</sup> Returned in 1900 as in Barker district only; incorporated as a city in 1905.

<sup>2</sup> Incorporated as a city in 1905.

<sup>3</sup> Part annexed to Martinsburg city in 1903.

<sup>4</sup> Incorporated as a city and parts of Arden and Opequon districts annexed in 1909.

<sup>5</sup> Incorporated in 1906.

<sup>6</sup> Incorporated in 1901.

<sup>7</sup> Incorporated in 1905.

<sup>8</sup> Incorporated in 1902.

<sup>9</sup> Part of Cross Creek district annexed to Wellsburg city in 1903.

<sup>10</sup> Part of Guyandotte district (Central City town) annexed to Huntington city in 1909.

<sup>11</sup> Incorporated in 1903.

<sup>12</sup> Incorporated in 1904.

STATISTICS OF POPULATION.

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

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

| MINOR CIVIL DIVISION.  | 1910          | 1900          | 1890          | MINOR CIVIL DIVISION.  | 1910          | 1900          | 1890          |
|--|---------------|---------------|---------------|--|---------------|---------------|---------------|
| <b>Gilmer County—Continued.</b>  |               |               |               | <b>Harrison County</b> ..... 48,381 27,690 21,919  |               |               |               |
| Glenville district, including Glenville and Layopolis towns.....   | 3,617         | 3,591         | 2,794         | Clark district, including Stealey Heights town and wards 2 and 5, and parts of wards 1, 3, and 4 of Clarksburg city..... | 11,084        | 4,097         | 2,956         |
| Glenville town.....  | 336           | 398           | 329           | Clarksburg city (part of).....   | 6,659         | 2,487         | 1,711         |
| Layopolis town.....  | 155           |               |               | Total for Clarksburg city in Clark and Coal districts.....   | 9,201         | 4,050         | 3,008         |
| Troy district, including Troy town.....  | 2,270         | 2,642         | 2,502         | Ward 1.....  | 1,875         |               |               |
| Troy town.....   | 144           | 148           |               | Ward 2.....  | 1,034         |               |               |
|  |               |               |               | Ward 3.....  | 1,616         |               |               |
|  |               |               |               | Ward 4.....  | 1,879         |               |               |
|  |               |               |               | Ward 5.....  | 1,897         |               |               |
|  |               |               |               | Stealey Heights town.....  | 611           |               |               |
| <b>Grant County</b> .....  | <b>7,838</b>  | <b>7,275</b>  | <b>6,802</b>  | Clay district, including Shinnston town.....   | 4,909         | 3,102         | 2,025         |
| Grant district.....  | 1,896         | 1,901         | 1,846         | Shinnston town.....  | 1,224         | 535           | 403           |
| Milroy district.....   | 2,675         | 2,471         | 2,456         | Coal district, including Adamston town, and parts of wards 1, 3, and 4 of Clarksburg city.....                           | 12,335        | 4,508         | 2,802         |
| Union district, including Bayard town.....   | 3,267         | 2,903         | 2,500         | Adamston town.....   | 1,200         |               |               |
| Bayard town.....   | 417           | 640           |               | Clarksburg city (part of).....   | 3,522         | 1,553         | 1,297         |
|  |               |               |               | Eagle district, including Lumberport town.....   | 3,092         | 2,515         | 2,123         |
|  |               |               |               | Lumberport town.....   | 656           |               |               |
| <b>Greenbrier County</b> .....   | <b>24,833</b> | <b>20,683</b> | <b>18,034</b> | Elk district.....  | 1,103         | 1,321         | 1,470         |
| Anthony Creek district.....  | 1,164         | 859           | 838           | Grant district, including part of West Milford town.....   | 2,512         | 1,727         | 1,650         |
| Blue Sulphur district, including part of Alderson town.....  | 3,382         | 2,752         | 2,305         | West Milford town (part of).....   | 14            |               |               |
| Alderson town (part of).....   | 677           |               |               | Total for West Milford town in Grant and Union districts.....  | 218           | 137           | 210           |
| Total for Alderson town in Blue Sulphur district, Greenbrier County, and Wolf Creek district, Monroe County..... | 1,252         | 518           | 663           | Sardis district.....   | 3,038         | 2,621         | 2,323         |
| Falling Spring district, including Falling Spring and Frankford towns.....                                       | 5,689         | 3,833         | 2,978         | Simpson district, including Bridgeport town.....   | 3,141         | 1,704         | 1,777         |
| Falling Spring town.....   | 270           |               |               | Bridgeport town.....   | 877           | 484           | 455           |
| Frankford town.....  | 102           | 138           |               | Tennile district, including Salem city.....  | 4,493         | 3,754         | 2,373         |
| Fort Spring district, including Ronceverte city.....   | 3,445         | 2,638         | 2,257         | Salem city.....  | 2,169         | 740           | 510           |
| Ronceverte city.....   | 2,187         | 968           | 481           | Union district, including part of West Milford town.....   | 2,074         | 2,281         | 2,420         |
| Ward 1.....  | 472           |               |               | West Milford town (part of).....   | 198           | 187           | 210           |
| Ward 2.....  | 796           |               |               |  |               |               |               |
| Ward 3.....  | 423           |               |               | <b>Jackson County</b> .....  | <b>20,956</b> | <b>22,987</b> | <b>19,021</b> |
| Ward 4.....  | 461           |               |               | Grant district.....  | 3,270         | 3,757         | 3,785         |
| Irish Corner district.....   | 1,846         | 1,711         | 1,499         | Ravenswood district, including Ravenswood town.....  | 4,843         | 5,487         | 4,830         |
| Lewisburg district, including Lewisburg town.....  | 2,558         | 2,510         | 2,213         | Ravenswood town.....   | 1,081         | 1,074         | 817           |
| Lewisburg town.....  | 803           | 872           | 1,016         | Ripley district, including Ripley town.....  | 5,902         | 6,641         | 4,961         |
| Meadow Bluff district.....   | 2,688         | 2,534         | 2,418         | Ripley town.....   | 591           | 570           | 417           |
| White Sulphur district, including White Sulphur Springs town.....  | 1,609         | 1,625         | 1,514         | Union district.....  | 2,326         | 2,718         | 2,442         |
| White Sulphur Springs town.....  | 338           |               |               | Washington district.....   | 4,519         | 4,384         | 3,023         |
| Williamsburg district, including Williamsburg town.....  | 2,454         | 2,221         | 2,012         |  |               |               |               |
| Williamsburg town.....   | 120           |               |               | <b>Jefferson County</b> .....  | <b>15,889</b> | <b>15,935</b> | <b>15,533</b> |
|  |               |               |               | Charles Town district, including Charles Town.....   | 5,444         | 4,965         | 4,524         |
| <b>Hampshire County</b> .....  | <b>11,694</b> | <b>11,806</b> | <b>11,419</b> | Charles Town.....  | 2,662         | 2,392         | 2,287         |
| Bloomery district, including part of Capon Bridge town.....  | 1,462         | 1,518         | 1,683         | Harpers Ferry district, including Bolivar and Harpers Ferry towns.....   | 3,176         | 3,309         | 3,264         |
| Capon Bridge town (part of).....   | 86            |               |               | Bolivar town.....  | 687           | 781           | 804           |
| Total for Capon Bridge town in Bloomery and Capon districts.....   | 213           |               |               | Harpers Ferry town.....  | 766           | 896           | 955           |
| Capon district, including Watson town and part of Capon Bridge town.....   | 1,424         | 1,556         | 1,552         | Kabletown district.....  | 2,132         | 2,184         | 2,082         |
| Capon Bridge town (part of).....   | 127           |               |               | Middleway district.....  | 2,105         | 2,371         | 2,352         |
| Watson town (Capon Springs P. O.).....   | 11            | 18            |               | Shepherdstown district, including Shepherdstown town.....  | 3,032         | 3,106         | 3,351         |
| Gore district.....   | 2,491         | 2,369         | 2,279         | Shepherdstown town.....  | 1,070         | 1,184         | 1,615         |
| Mill Creek district.....   | 763           | 840           | 918           |  |               |               |               |
| Romney district, including Romney town.....  | 2,313         | 2,229         | 1,743         | <b>Kanawha County</b> .....  | <b>81,457</b> | <b>54,696</b> | <b>42,758</b> |
| Romney town.....   | 1,112         | 680           | 451           | Big Sandy district, including Clendenin town.....  | 3,835         | 2,915         | 1,960         |
| Sherman district.....  | 1,959         | 2,031         | 1,911         | Clendenin town.....  | 215           |               |               |
| Springfield district, including Springfield town.....  | 1,312         | 1,263         | 1,333         | Cabin Creek district, including Cedar Grove, Eastbank, and Pratt towns.....  | 22,020        | 11,854        | 7,940         |
| Springfield town.....  | 136           | 148           |               | Cedar Grove town.....  | 679           |               |               |
|  |               |               |               | Eastbank town.....   | 551           | 408           |               |
|  |               |               |               | Pratt town.....  | 308           |               |               |
| <b>Hancock County</b> .....  | <b>10,485</b> | <b>6,693</b>  | <b>6,414</b>  | Charleston district, <sup>12</sup> including wards 1 to 9 of Charleston city.....  | 23,966        | 13,417        | 10,222        |
| Butler district.....   | 1,412         | 1,080         | 1,220         | Charleston city (part of).....   | 22,283        | 11,009        | 6,742         |
| Clay district, including New Cumberland town.....  | 2,627         | 2,943         | 3,240         | Total for Charleston city in Charleston and Loudon districts.....  | 22,996        | 11,009        | 6,742         |
| New Cumberland town.....   | 1,307         | 2,198         | 2,505         | Ward 1.....  | 2,507         |               |               |
| Grant district, including Chester city.....  | 5,096         | 1,758         | 1,120         | Ward 2.....  | 3,751         |               |               |
| Chester city.....  | 5,184         |               |               | Ward 3.....  | 2,455         |               |               |
| Poe district.....  | 860           | 912           | 834           | Ward 4.....  | 2,886         |               |               |
|  |               |               |               | Ward 5.....  | 2,451         |               |               |
|  |               |               |               | Ward 6.....  | 1,509         |               |               |
|  |               |               |               | Ward 7.....  | 2,458         |               |               |
|  |               |               |               | Ward 8.....  | 2,015         |               |               |
|  |               |               |               | Ward 9.....  | 2,151         |               |               |
|  |               |               |               | Ward 10.....   | 713           |               |               |
| <b>Hardy County</b> .....  | <b>9,183</b>  | <b>8,449</b>  | <b>7,567</b>  |  |               |               |               |
| Capon district, including Wardensville town.....   | 2,226         | 2,281         | 2,117         |  |               |               |               |
| Wardensville town.....   | 123           | 152           | 109           |  |               |               |               |
| Lost River district.....   | 2,637         | 2,583         | 2,071         |  |               |               |               |
| Moorefield district, including Moorefield town.....  | 2,345         | 1,763         | 1,744         |  |               |               |               |
| Moorefield town.....   | 648           | 460           | 495           |  |               |               |               |
| South Fork district.....   | 1,955         | 1,822         | 1,635         |  |               |               |               |

1 Incorporated in 1901.  
 2 Returned in 1900 as in Wolf Creek district, Monroe County, only.  
 3 Incorporated in 1906.  
 4 Incorporated as a city in 1909.  
 5 Incorporated in 1909.  
 6 Incorporated in 1905.  
 7 Incorporated in 1907.

8 Returned in 1900 as in Union district only.  
 9 Incorporated as a city in 1905.  
 10 Incorporated in 1904.  
 11 Incorporated in 1902.  
 12 Part annexed to Charleston city in 1907.  
 13 Returned in 1900 as in Charleston district only; part of Charleston district annexed in 1907.

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

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

| MINOR CIVIL DIVISION.  | 1910   | 1900   | 1890   | MINOR CIVIL DIVISION.   | 1910   | 1900  | 1890  |
|--|--------|--------|--------|---|--------|-------|-------|
| <b>Kanawha County—Continued.</b>   |        |        |        | <b>Marion County—Continued.</b>   |        |       |       |
| Elk district.....  | 6,391  | 5,665  | 4,374  | Lincoln district, including Farmington and Worthington towns and part of Monongah town..... | 6,278  | 4,082 | 2,082 |
| Jefferson district, including St. Albans town.....   | 3,841  | 3,545  | 3,270  | Farmington town.....  | 519    |       |       |
| <i>St. Albans town</i> .....   | 1,209  | 816    |        | Monongah town (part of).....  | 1,045  | 668   |       |
| Loudon district, including ward 10 of Charleston city.....                                     | 5,718  | 4,427  | 3,343  | Worthington town.....   | 298    |       |       |
| <i>Charleston city<sup>1</sup> (part of)</i> .....   | 713    |        |        | Mannington district, including Mannington city.....   | 8,050  | 7,350 | 5,605 |
| Malden district.....   | 3,803  | 3,364  | 3,707  | <i>Mannington city<sup>11</sup></i> .....   | 2,672  | 1,681 | 908   |
| Poca district.....   | 4,090  | 3,813  | 3,038  | Paw Paw district, including Fairview and Rivesville towns.....                              | 4,239  | 2,636 | 2,311 |
| Union district.....  | 3,949  | 3,842  | 3,286  | <i>Fairview town</i> .....  | 782    |       |       |
| Washington district.....   | 2,944  | 1,849  | 1,636  | <i>Rivesville town</i> .....  | 190    | 164   | 106   |
| <b>Lewis County.....</b>   |        |        |        | Union district, including ward 1 of Fairmont city.....                                      | 5,171  | 3,337 | 2,310 |
| Collins Settlement district.....   | 3,068  | 3,200  | 3,015  | <i>Fairmont city (part of)</i> .....  | 2,147  | 1,315 |       |
| Court House district, including parts of wards 1 to 4 of Weston town.....                      | 6,177  | 4,721  | 2,629  | <i>Winfield district</i> .....  | 2,991  | 3,127 | 2,191 |
| <i>Weston town (part of)</i> .....   | 960    | 1,931  |        | <b>Marshall County.....</b>   |        |       |       |
| <i>Total for Weston town in Court House, Freemans Creek, and Hackers Creek districts</i> ..... | 2,213  | 2,500  | 2,143  | Cameron district, <sup>12</sup> including Cameron town.....                                 | 3,442  | 2,350 | 2,047 |
| <i>Ward 1</i> .....  | 766    |        |        | <i>Cameron town</i> .....   | 1,660  | 864   |       |
| <i>Ward 2</i> .....  | 443    |        |        | Clay district, including part of ward 4 of Moundsville city.....                            | 1,862  | 1,807 | 1,702 |
| <i>Ward 3</i> .....  | 498    |        |        | <i>Moundsville city (part of)</i> .....   | 949    | 801   | 676   |
| <i>Ward 4</i> .....  | 522    |        |        | <i>Total for Moundsville city in Clay and Washington districts</i> .....                    | 8,918  | 5,362 | 2,688 |
| Freemans Creek district, including parts of wards 1 and 2 of Weston town.....                  | 5,283  | 4,564  | 4,122  | <i>Ward 1</i> .....   | 2,609  |       |       |
| <i>Weston town (part of)</i> .....   | 653    | 253    |        | <i>Ward 2</i> .....   | 3,606  |       |       |
| Hackers Creek district, including Jane Lew town and parts of wards 2 to 4 of Weston town.....  | 3,522  | 2,951  | 4,533  | <i>Ward 3</i> .....   | 1,622  |       |       |
| <i>Jane Lew town<sup>2</sup></i> .....   | 527    |        |        | <i>Ward 4</i> .....   | 1,371  |       |       |
| <i>Weston town (part of)</i> .....   | 650    | 376    | 2,143  | Franklin district.....  | 1,055  | 1,957 | 1,970 |
| <i>Skin Creek district</i> .....   | 1,231  | 1,544  | 1,596  | Liberty district <sup>13</sup> .....  | 1,874  | 2,297 | 2,567 |
| <b>Lincoln County.....</b>   |        |        |        | Meade district.....   | 1,527  | 1,680 | 1,640 |
| Carroll district.....  | 3,609  | 3,282  | 2,702  | Sand Hill district.....   | 1,066  | 1,300 | 1,272 |
| Duval district.....  | 3,952  | 2,279  | 1,523  | Union district, including Benwood and McMechen cities.....                                  | 10,001 | 7,688 | 4,872 |
| Harts Creek district.....  | 2,446  | 1,488  | 1,455  | <i>Benwood city</i> .....   | 4,976  | 4,511 | 2,034 |
| Jefferson district.....  | 1,819  | 1,625  | 999    | <i>McMechen city<sup>14</sup></i> .....   | 2,921  | 1,465 | 427   |
| Laurel Hill district.....  | 2,224  | 1,704  | 943    | Washington district, including wards 1 to 3, and part of ward 4 of Moundsville city.....    | 9,656  | 5,986 | 3,136 |
| Sheridan district.....   | 3,104  | 2,364  | 1,559  | <i>Moundsville city (part of)</i> .....   | 7,909  | 4,661 | 2,013 |
| Union district.....  | 1,445  | 1,327  | 931    | Webster district.....   | 1,305  | 1,479 | 1,614 |
| Washington district.....   | 1,832  | 1,365  | 1,084  | <b>Mason County.....</b>  |        |       |       |
| <b>Logan County.....</b>   |        |        |        | Arbuckle district.....  | 2,365  | 2,485 | 2,117 |
| Chapmansville district.....  | 3,606  | 2,531  | 2,000  | Clendenin district, including Henderson town.....   | 3,841  | 4,049 | 3,124 |
| Logan district, including Logan city.....  | 9,614  | 3,272  | 2,746  | <i>Henderson town</i> .....   | 288    | 304   |       |
| <i>Logan city<sup>4</sup></i> .....  | 1,610  | 444    |        | Cologne district, including Leon village.....   | 1,567  | 1,700 | 1,035 |
| Triadelphia district.....  | 1,256  | 1,152  | 1,524  | <i>Leon village</i> .....   | 240    | 250   | 242   |
| <b>McDowell County.....</b>  |        |        |        | Cooper district.....  | 2,085  | 2,480 | 2,345 |
| Adkin district <sup>5</sup> .....  | 9,221  |        |        | Graham district, including Hartford City town.....  | 1,780  | 1,987 | 2,124 |
| Big Creek district.....  | 4,791  | 1,393  | 1,271  | <i>Hartford City town</i> .....   | 568    | 515   | 446   |
| Browns Creek district, including Keystone city, Kimball and Welch towns.....                   | 17,018 | 5,751  |        | Hannan district.....  | 2,628  | 2,518 | 2,236 |
| <i>Keystone city<sup>6</sup></i> .....   | 2,047  | 1,088  |        | Lewis district, including North Point Pleasant village and Point Pleasant town.....         | 3,029  | 2,028 | 2,435 |
| <i>Kimball town<sup>7</sup></i> .....  | 1,830  |        |        | <i>North Point Pleasant village<sup>8</sup></i> .....                                       | 452    |       |       |
| <i>Welch town</i> .....  | 1,586  | 449    |        | <i>Point Pleasant town</i> .....  | 2,045  | 1,934 | 1,865 |
| Elkhorn district.....  | 7,240  | 5,467  | 4,195  | Robinson district.....  | 800    | 1,014 | 1,120 |
| North Fork district, including Burkes Garden, Clark, and Northfork towns.....                  | 5,642  | 2,890  |        | Union district.....   | 2,217  | 2,452 | 2,310 |
| <i>Burkes Garden town<sup>9</sup></i> .....  | 500    |        |        | Waggener district, including Mason town.....  | 2,607  | 2,769 | 3,362 |
| <i>Clark town<sup>9</sup></i> .....  | 165    |        |        | <i>Mason town</i> .....   | 784    | 804   | 1,089 |
| <i>Northfork town<sup>9</sup></i> .....  | 425    |        |        | <b>Mercer County.....</b>   |        |       |       |
| Sandy River district.....  | 3,944  | 3,240  | 1,834  | Beaver Pond district, including Bluefield city.....   | 14,817 | 8,221 | 4,550 |
| <b>Marion County.....</b>  |        |        |        | <i>Bluefield city</i> .....   | 11,188 | 4,644 | 1,776 |
| Fairmont district, including Barnstown village and wards 2 to 5 of Fairmont city.....          | 42,794 | 32,430 | 20,721 | <i>Ward 1</i> .....   | 1,547  |       |       |
| <i>Barnstown village<sup>10</sup></i> .....  | 11,780 | 7,034  | 3,228  | <i>Ward 2</i> .....   | 1,238  |       |       |
| <i>Fairmont city (part of)</i> .....   | 655    |        |        | <i>Ward 3</i> .....   | 610    |       |       |
| <i>Total for Fairmont city in Fairmont and Union districts</i> .....                           | 7,564  | 4,540  | 1,023  | <i>Ward 4</i> .....   | 876    |       |       |
| <i>Ward 1</i> .....  | 9,771  | 6,655  | 1,023  | <i>Ward 5</i> .....   | 1,619  |       |       |
| <i>Ward 2</i> .....  | 2,147  |        |        | <i>Ward 6</i> .....   | 1,872  |       |       |
| <i>Ward 3</i> .....  | 2,145  |        |        | <i>Ward 7</i> .....   | 1,803  |       |       |
| <i>Ward 4</i> .....  | 1,033  |        |        | <i>Ward 8</i> .....   | 806    |       |       |
| <i>Ward 5</i> .....  | 2,603  |        |        | <i>Ward 9</i> .....   | 1,223  |       |       |
| Grant district, including part of Monongah town.....   | 1,733  |        |        | East River district, including Oakvale town and Princeton city.....                         | 6,096  | 3,490 | 3,082 |
| <i>Monongah town (part of)</i> .....   | 4,885  | 4,864  | 2,085  | <i>Oakvale town<sup>11</sup></i> .....  | 273    |       |       |
| <i>Total for Monongah town in Grant and Lincoln districts</i> .....                            | 1,039  | 1,124  |        | <i>Princeton city</i> .....   | 3,027  |       |       |
|  | 2,084  | 1,789  |        | Jumping Branch district.....  | 1,122  | 1,214 | 960   |
|  |        |        |        | <i>Athens town<sup>12</sup></i> .....   | 2,764  | 2,318 | 1,848 |
|  |        |        |        | <i>Bramwell town</i> .....  | 675    |       |       |
|  |        |        |        | Rock district, including Bramwell town.....   | 13,572 | 7,771 | 5,523 |
|  |        |        |        | <i>Bramwell town</i> .....  | 1,458  | 825   | 499   |

<sup>1</sup> Returned in 1900 as in Charleston district only.  
<sup>2</sup> Incorporated in 1907.  
<sup>3</sup> County total includes population (4,831) of Hardee, Lee, and Magnolia districts, taken to form Mingo County between 1890 and 1900.  
<sup>4</sup> Name changed from Aracoma in 1907. Incorporated as a city in 1907.  
<sup>5</sup> Adkin district organized from part of Elkhorn district in 1904.  
<sup>6</sup> Incorporated as a city in 1909.

<sup>7</sup> Incorporated in 1902.  
<sup>8</sup> Incorporated in 1908.  
<sup>9</sup> Incorporated in 1901.  
<sup>10</sup> Incorporated in 1906.  
<sup>11</sup> Incorporated as a city in 1905.  
<sup>12</sup> Part of Liberty district annexed to Cameron district in 1905.  
<sup>13</sup> Incorporated in 1909.

# STATISTICS OF POPULATION.

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

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

| MINOR CIVIL DIVISION.   | 1910          | 1900          | 1890          | MINOR CIVIL DIVISION.  | 1910          | 1900             | 1890             |
|---|---------------|---------------|---------------|--|---------------|------------------|------------------|
| <b>Mineral County</b> .....   | <b>16,674</b> | <b>12,883</b> | <b>12,085</b> | <b>Ohio County</b> .....   | <b>57,572</b> | <b>10 48,024</b> | <b>10 41,557</b> |
| Cabin Run district.....   | 884           | 827           | 815           | Center district, comprising ward 5 and part of ward 6 of Wheeling city.....  | 4,992         | (10)             | (10)             |
| Elk district, including Elk Garden town.....  | 3,825         | 2,597         | 3,294         | <i>Total for Wheeling city, comprising Center, Clay, Madison, Union, and Webster districts and parts of Ritchie and Washington districts</i> ..... | 41,641        | 38,878           | 34,522           |
| <i>Elk Garden town</i> .....  | 458           | 881           | 723           | Ward 1.....  | 8,742         |                  |                  |
| Frankfort district.....   | 2,538         | 1,807         | 1,488         | Ward 2.....  | 4,582         |                  |                  |
| New Creek district, including Keyser and South Keyser towns.....                      | 6,040         | 4,038         | 3,337         | Ward 3.....  | 3,097         |                  |                  |
| <i>Keyser town</i> .....  | 5,705         | 2,656         | 2,165         | Ward 4.....  | 4,433         |                  |                  |
| <i>South Keyser town</i> .....  | 692           |               |               | Ward 5.....  | 2,631         |                  |                  |
| Piedmont district, including Piedmont town.....                                       | 2,635         | 2,814         | 2,236         | Ward 6.....  | 3,228         |                  |                  |
| <i>Piedmont town</i> .....  | 2,054         | 2,115         |               | Ward 7.....  | 6,173         |                  |                  |
| Welton district.....  | 752           | 800           | 915           | Ward 8.....  | 6,755         |                  |                  |
| <b>Mingo County</b> .....   | <b>19,431</b> | <b>11,359</b> | (?)           | Clay district, comprising parts of wards 2 and 3 of Wheeling city.....   | 5,634         | (10)             | (10)             |
| Hardee district.....  | 1,888         | 1,302         | 2,490         | Liberty district.....  | 1,479         | 1,385            | 1,572            |
| Harvey district <sup>1</sup> .....  | 1,300         | 2,696         |               | Madison district, comprising ward 7 of Wheeling city.....  | 6,173         | (10)             | (10)             |
| Lee district <sup>2</sup> .....   | 2,946         | 2,301         | 831           | Richland district.....   | 3,392         | 1,737            | 1,508            |
| Magnolia district, including Matewan city.....  | 5,077         | 3,020         | 1,510         | Ritchie district, including ward 8 of Wheeling city.....   | 7,947         | 11 707           |                  |
| <i>Matewan city</i> .....   | 688           |               |               | <i>Wheeling city (part of)</i> .....   | 6,755         |                  |                  |
| Stafford district.....  | 3,466         | 2,040         |               | Triadelphia district, including Edgewood, Elm Grove, Leatherwood, Patterson, Pleasant Valley, Triadelphia, and Woodsdale towns.....                | 8,759         | 4,782            | 3,464            |
| Warfield district <sup>3</sup> .....  | 1,187         |               |               | <i>Edgewood town</i> <sup>1</sup> .....  | 1,455         |                  |                  |
| Williamson district, <sup>4</sup> coextensive with Williamson city <sup>5</sup> ..... | 3,561         |               |               | <i>Elm Grove town</i> .....  | 1,899         | 768              | 694              |
| <b>Monongalia County</b> .....  | <b>24,334</b> | <b>19,049</b> | <b>15,705</b> | <i>Leatherwood town</i> .....  | 144           | 123              |                  |
| Battelle district.....  | 2,270         | 2,760         | 2,452         | <i>Patterson town</i> <sup>1</sup> .....   | 713           |                  |                  |
| Cass district.....  | 1,173         | 1,444         | 1,495         | <i>Pleasant Valley town</i> .....  | 348           | 180              |                  |
| Clay district, including Blacksville town.....  | 2,797         | 3,140         | 2,827         | <i>Triadelphia town</i> .....  | 861           | 287              | 616              |
| <i>Blacksville town</i> .....   | 204           | 180           |               | <i>Woodsdale town</i> <sup>12</sup> .....  | 331           |                  |                  |
| Clinton district.....   | 2,415         | 2,551         | 2,352         | Union district, comprising ward 4 and part of ward 3 of Wheeling city.....   | 5,568         | (10)             | (10)             |
| Grant district.....   | 2,495         | 2,152         | 2,118         | Washington district, including Fulton town and ward 1 and part of ward 2 of Wheeling city.....   | 7,761         | 11 535           | 11 491           |
| Morgan district, <sup>6</sup> including Morgantown city and Star City town.....       | 11,631        | 5,356         | 2,973         | <i>Fulton town</i> .....   | 1,038         |                  |                  |
| <i>Morgantown city</i> <sup>7</sup> .....   | 9,150         | 1,895         | 1,011         | <i>Wheeling city (part of)</i> .....   | 6,652         |                  |                  |
| Ward 1.....   | 965           |               |               | Webster district, comprising part of ward 6 of Wheeling city.....  | 5,867         | (10)             | (10)             |
| Ward 2.....   | 2,535         |               |               | <b>Pendleton County</b> .....  | <b>9,349</b>  | <b>9,167</b>     | <b>8,711</b>     |
| Ward 3.....   | 1,750         |               |               | Bethel district.....   | 1,149         | 1,121            | 979              |
| Ward 4.....   | 2,700         |               |               | Chroleville district.....  | 1,521         | 1,491            | 1,370            |
| Ward 5.....   | 1,600         |               |               | Franklin district, including Franklin town.....  | 1,701         | 1,605            | 1,545            |
| Ward 6.....   | 318           |               |               | <i>Franklin town</i> .....   | 200           |                  |                  |
| Union district.....   | 1,553         | 1,637         | 1,458         | Mill Run district.....   | 1,046         | 1,051            | 1,568            |
| <b>Monroe County</b> .....  | <b>13,055</b> | <b>13,130</b> | <b>12,429</b> | Sugar Grove district.....  | 1,478         | 1,434            | 1,352            |
| Red Sulphur district, including Peterstown town.....                                  | 3,043         | 3,148         | 2,845         | Union district.....  | 1,854         | 1,865            | 1,897            |
| <i>Peterstown town</i> .....  | 257           | 167           |               | <b>Pleasants County</b> .....  | <b>8,074</b>  | <b>9,345</b>     | <b>7,539</b>     |
| Second Creek district.....  | 1,754         | 1,672         | 1,575         | Grant district.....  | 959           | 1,214            | 1,066            |
| Springfield district.....   | 2,292         | 2,525         | 2,183         | Jefferson district.....  | 1,190         | 1,415            | 1,544            |
| Sweet Springs district.....   | 2,137         | 2,055         | 1,755         | Lafayette district.....  | 953           | 971              | 774              |
| Union district, including Union town.....   | 1,901         | 2,104         | 2,030         | McKim district.....  | 1,123         | 1,281            | 1,064            |
| <i>Union town</i> .....   | 298           | 250           | 348           | Union district.....  | 1,005         | 1,901            | 1,795            |
| Wolf Creek district, including part of Alderson town.....                             | 1,928         | 1,818         | 2,041         | Washington district, including St. Marys city.....   | 2,406         | 2,681            | 1,296            |
| <i>Alderson town (part of)</i> .....  | 876           | 518           | 603           | <i>St. Marys city</i> <sup>13</sup> .....  | 1,258         | 885              | 620              |
| [For total, see Blue Sulphur district, Greenbrier County.]                            |               |               |               | <b>Pocahontas County</b> .....   | <b>14,740</b> | <b>8,572</b>     | <b>6,814</b>     |
| <b>Morgan County</b> .....  | <b>7,848</b>  | <b>7,204</b>  | <b>6,744</b>  | Edray district, including Marlinton town.....  | 4,150         | 2,678            | 1,961            |
| Allen district.....   | 1,148         | 1,088         | 883           | <i>Marlinton town</i> <sup>14</sup> .....  | 1,045         | 171              |                  |
| Bath district, including Berkeley Springs town.....                                   | 2,280         | 1,815         | 1,529         | Greenbank district, including Cass and Durbin towns.....   | 6,128         | 2,496            | 1,774            |
| <i>Berkeley Springs town</i> .....  | 884           | 781           |               | <i>Cass town</i> <sup>12</sup> .....   | 496           |                  |                  |
| Cacapon district, including Paw Paw town.....   | 2,312         | 2,187         | 2,070         | <i>Durbin town</i> <sup>1</sup> .....  | 360           |                  |                  |
| <i>Paw Paw town</i> .....   | 725           | 698           | 772           | Huntersville district.....   | 1,407         | 1,177            | 1,107            |
| Rock Gap district.....  | 773           | 772           | 812           | Little Levels district, including Hillsboro village and Seebert town.....  | 3,055         | 2,221            | 1,972            |
| Sleepy Creek district.....  | 713           | 716           | 576           | <i>Hillsboro village (Academy P. O.)</i> .....   | 181           | 204              | 168              |
| Timber Ridge district.....  | 622           | 716           | 874           | <i>Seebert town</i> <sup>1</sup> .....   | 190           |                  |                  |
| <b>Nicholas County</b> .....  | <b>17,699</b> | <b>11,403</b> | <b>9,309</b>  | <b>Preston County</b> .....  | <b>26,341</b> | <b>22,727</b>    | <b>20,355</b>    |
| Beaver district, including Richwood town.....   | 6,356         | 2,205         | 1,085         | Grant district, including Brandonville and Bruceton towns.....   | 2,123         | 2,096            | 2,193            |
| <i>Richwood town</i> <sup>9</sup> .....   | 3,061         |               |               | <i>Brandonville town</i> .....   | 96            | 63               | 82               |
| Grant district.....   | 1,155         | 1,116         | 1,247         | <i>Bruceton town</i> .....   | 118           | 80               |                  |
| Hamilton district.....  | 2,048         | 2,108         | 1,737         | <b>Comparison of population for 1890 made by districts wherever possible.</b>  |               |                  |                  |
| Jefferson district.....   | 2,055         | 1,235         | 991           | <sup>1</sup> Warfield district organized from part of Harvey district in 1906.   |               |                  |                  |
| Kentucky district.....  | 2,820         | 1,516         | 1,360         | <sup>2</sup> Williamson district organized from part of Lee district in 1903.  |               |                  |                  |
| Summersville district, including Summersville town.....                               | 1,462         | 1,452         | 1,274         | <sup>3</sup> Incorporated in 1905.   |               |                  |                  |
| <i>Summersville town</i> .....  | 204           | 223           |               | <sup>4</sup> Part annexed to Morgantown city in 1901.  |               |                  |                  |
| Wilderness district.....  | 1,803         | 1,773         | 1,565         | <sup>5</sup> Incorporated as a city and part of Morgan district (Greenmont, Seneca, and South Morgantown towns) annexed in 1901.                   |               |                  |                  |

<sup>1</sup> Incorporated in 1906.  
<sup>2</sup> Comparison of population for 1890 made by districts wherever possible.  
<sup>3</sup> Warfield district organized from part of Harvey district in 1906.  
<sup>4</sup> Williamson district organized from part of Lee district in 1903.  
<sup>5</sup> Incorporated in 1905.  
<sup>6</sup> Part annexed to Morgantown city in 1901.  
<sup>7</sup> Incorporated as a city and part of Morgan district (Greenmont, Seneca, and South Morgantown towns) annexed in 1901.

<sup>8</sup> Incorporated in 1907.  
<sup>9</sup> Incorporated in 1901.  
<sup>10</sup> County totals include population (38,378 in 1900; 34,522 in 1890) of Wheeling city, returned independently.  
<sup>11</sup> Exclusive of population of Wheeling city.  
<sup>12</sup> Incorporated in 1902.  
<sup>13</sup> Incorporated as a city in 1901.  
<sup>14</sup> Incorporated as a town in 1900.

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

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

| MINOR CIVIL DIVISION.  | 1910   | 1900  | 1890  | MINOR CIVIL DIVISION.   | 1910  | 1900  | 1890  |
|--|--------|-------|-------|---|-------|-------|-------|
| <b>Preston County—Continued.</b>   |        |       |       | <b>Ritchie County—Continued.</b>  |       |       |       |
| Kingwood district, including Kingwood town and part of Tunnelton town.....   | 3,938  | 3,033 | 2,315 | Grant district, including Cairo town.....   | 5,511 | 6,070 | 4,994 |
| Kingwood town.....   | 800    | 700   |       | Cairo town.....   | 668   | 653   |       |
| Tunnelton town (part of).....  | 470    | 478   |       | Murphy district.....  | 4,122 | 4,299 | 3,495 |
| Total for Tunnelton town <sup>1</sup> in Kingwood and Reno districts.....  | 798    | 478   |       | Union district, including Auburn, Harrisville, and Pullman towns.....   | 4,084 | 4,105 | 3,837 |
| Lyon district, including Newburg town.....   | 3,244  | 2,943 | 3,363 | Auburn town <sup>12</sup> .....   | 199   |       |       |
| Newburg town.....  | 883    | 761   | 778   | Harrisville town.....   | 908   | 479   | 361   |
| Pleasant district.....   | 1,940  | 1,788 | 1,891 | Pullman town <sup>13</sup> .....  | 250   |       |       |
| Portland district, including Terra Alta town.....  | 4,698  | 4,145 | 3,264 | <b>Roane County.....</b>  |       |       |       |
| Terra Alta town.....   | 1,188  | 618   | 443   | <b>21,543 19,852 15,303</b>   |       |       |       |
| Reno district, including Rowlesburg town and part of Tunnelton town.....   | 4,510  | 4,136 | 3,565 | Curtis district.....  | 1,431 | 1,581 | 1,302 |
| Rowlesburg town.....   | 938    | 652   | 660   | Geary district.....   | 3,189 | 2,955 | 2,059 |
| Tunnelton town <sup>1</sup> (part of).....   | 882    |       |       | Harper district.....  | 2,960 | 2,871 | 2,305 |
| Union district.....  | 2,725  | 2,806 | 2,135 | Reedy district, including Reedy town.....   | 2,116 | 2,430 | 1,758 |
| Valley district, including Masontown town and Reedsville village.....  | 3,163  | 1,780 | 1,620 | Reedy town.....   | 813   | 300   |       |
| Masontown town <sup>2</sup> .....  | 520    |       |       | Smithfield district.....  | 2,668 | 2,737 | 2,165 |
| Reedsville village <sup>3</sup> .....  | 208    |       |       | Spencer district, including Alvord and Spencer towns.....   | 6,047 | 4,956 | 3,530 |
| <b>Putnam County.....</b>  |        |       |       | Alvord town <sup>4</sup> .....  | 229   |       |       |
| <b>18,587 17,330 14,342</b>  |        |       |       | Spencer town.....   | 1,224 | 737   | 431   |
| Buffalo district, including Buffalo village.....   | 2,669  | 2,766 | 2,090 | Walton district.....  | 3,132 | 2,322 | 2,184 |
| Buffalo village.....   | 534    | 594   | 288   | <b>Summers County.....</b>  |       |       |       |
| Curry district, including Hurricane village.....   | 3,467  | 3,406 | 2,823 | <b>18,420 16,265 13,117</b>   |       |       |       |
| Hurricane village.....   | 122    | 210   | 207   | Forest Hill district.....   | 1,584 | 1,601 | 1,356 |
| Pocatalco district.....  | 4,338  | 3,248 | 2,885 | Greenbrier district, including Avis town and Hinton city.....   | 6,419 | 4,940 | 3,608 |
| Scott district, including Winfield town.....   | 2,683  | 2,600 | 2,295 | Avis town <sup>11</sup> .....   | 7,452 |       |       |
| Winfield town.....   | 291    | 538   | 808   | Hinton city <sup>14</sup> .....   | 3,056 | 5,763 | 2,570 |
| Teays Valley district.....   | 2,261  | 2,125 | 1,690 | Ward 1.....   | 341   |       |       |
| Union district.....  | 3,124  | 3,182 | 2,559 | Ward 2.....   | 816   |       |       |
| <b>Raleigh County.....</b>   |        |       |       | Ward 3.....   | 968   |       |       |
| <b>25,633 12,436 9,597</b>   |        |       |       | Ward 4.....   | 931   |       |       |
| Clear Fork district.....   | 2,400  | 1,227 | 1,033 | Green Sulphur district.....   | 3,139 | 2,747 | 2,135 |
| Marsh Fork district.....   | 1,987  | 1,781 | 1,539 | Jumping Branch district.....  | 2,797 | 2,779 | 2,188 |
| Richmond district.....   | 1,220  | 1,266 | 986   | Pipestem district.....  | 1,621 | 1,779 | 1,655 |
| Shady Spring district.....   | 3,887  | 2,334 | 1,583 | Talcott district.....   | 2,890 | 2,419 | 2,175 |
| Slab Fork district.....  | 2,896  | 1,060 | 951   | <b>Taylor County.....</b>   |       |       |       |
| Town district, including Beckley city and Mabscott town.....   | 10,407 | 3,357 | 2,305 | <b>16,554 14,978 12,147</b>   |       |       |       |
| Beckley city.....  | 2,161  | 343   | 153   | Booths Creek district.....  | 1,558 | 1,589 | 1,663 |
| Mabscott town <sup>5</sup> .....   | 661    |       |       | Court House district, including ward 5 of Grafton city.....   | 4,402 | 3,448 | 2,483 |
| Trap Hill district.....  | 2,836  | 1,411 | 1,167 | Grafton city (part of).....   | 1,980 | 1,304 |       |
| <b>Randolph County.....</b>  |        |       |       | Total for Grafton city, <sup>16</sup> comprising Grafton district and parts of Court House and Fetterman districts..... | 7,558 | 5,650 | 3,159 |
| <b>26,028 17,670 11,693</b>  |        |       |       | Ward 1.....   | 1,212 |       |       |
| Beverly district, including Beverly town.....  | 2,259  | 1,684 | 1,358 | Ward 2.....   | 2,056 |       |       |
| Beverly town.....  | 438    | 464   | 343   | Ward 3.....   | 1,373 |       |       |
| Dry Fork district, including Gladly and Whitmer towns, Harman and Job villages, and part of Laneville town.....        | 4,956  | 3,224 | 1,805 | Ward 4.....   | 1,013 |       |       |
| Gladly town <sup>6</sup> .....   | 281    |       |       | Ward 5.....   | 1,930 |       |       |
| Harman village <sup>7</sup> .....  | 149    |       |       | Fetterman district, <sup>15</sup> including part of ward 1 of Grafton city.....   | 2,982 | 2,585 | 2,495 |
| Job village <sup>8</sup> .....   | 180    |       |       | Grafton city (part of).....   | 361   |       |       |
| Laneville town (part of).....  | 70     |       |       | Flemington district.....  | 1,647 | 1,707 | 1,119 |
| Total for Laneville town <sup>9</sup> in Dry Fork district, Randolph County, and Dry Fork district, Tucker County..... | 535    |       |       | Grafton district, comprising wards 2 to 4, and part of ward 1 of Grafton city.....                                      | 4,672 | 4,346 | 3,159 |
| Whitmer town.....  | 650    |       |       | Knottsville district.....   | 1,293 | 1,303 | 1,228 |
| Huttonsville district, including Huttonsville and Mill Creek towns.....  | 2,936  | 1,638 | 1,172 | <b>Tucker County.....</b>   |       |       |       |
| Huttonsville town.....   | 251    |       |       | <b>16,675 13,433 6,459</b>  |       |       |       |
| Mill Creek town <sup>10</sup> .....  | 740    |       |       | Black Fork district, including Parsons city and Hambleton and Hendricks towns.....                                      | 4,912 | 2,307 | 1,218 |
| Leadsville district, <sup>10</sup> including Elkins city and Harding village.....                                      | 8,420  | 4,495 | 1,913 | Hambleton town <sup>17</sup> .....  | 1,300 |       |       |
| Elkins city <sup>11</sup> .....  | 5,260  | 2,016 | 757   | Hendricks town.....   | 640   | 377   |       |
| Ward 1.....  | 1,152  |       |       | Parsons city <sup>18</sup> .....  | 1,780 | 618   |       |
| Ward 2.....  | 711    |       |       | Ward 1.....   | 713   |       |       |
| Ward 3.....  | 350    |       |       | Ward 2.....   | 565   |       |       |
| Ward 4.....  | 910    |       |       | Ward 3.....   | 602   |       |       |
| Ward 5.....  | 1,477  |       |       | Clover district.....  | 1,069 | 1,174 | 1,085 |
| Harding village <sup>12</sup> .....  | 105    |       |       | Davis district, including Davis town.....   | 2,707 | 2,712 |       |
| Middle Fork district.....  | 2,196  | 2,071 | 1,648 | Davis town.....   | 2,615 | 2,591 | 918   |
| Mingo district.....  | 1,093  | 1,165 | 1,055 | Dry Fork district, including part of Laneville town.....  | 2,992 | 1,414 | 930   |
| New Interest district, including Montrose village.....   | 1,253  | 1,215 | 1,122 | Laneville town <sup>19</sup> (part of).....   | 283   |       |       |
| Montrose village.....  | 112    |       |       | [For total, see Dry Fork district, Randolph County.]  |       |       |       |
| Roaring Creek district, including Womelsdorf town.....   | 1,905  | 1,437 | 872   | Fairfax district, including Thomas town.....  | 4,752 | 3,975 | 1,506 |
| Womelsdorf town.....   | 665    |       |       | Thomas town.....  | 2,354 | 2,120 | 269   |
| Valley Bend district.....  | 1,007  | 741   | 688   | Licking district.....   | 674   | 631   | 563   |
| <b>Ritchie County.....</b>   |        |       |       | St. George district, including St. George town.....   | 1,589 | 1,170 | 1,157 |
| <b>17,875 18,901 16,621</b>  |        |       |       | St. George town.....  | 245   | 152   | 316   |
| Clay district, including Ellenboro and Pennsboro towns.....  | 4,178  | 4,427 | 4,295 |   |       |       |       |
| Ellenboro town <sup>20</sup> .....   | 204    |       |       |   |       |       |       |
| Pennsboro town.....  | 890    | 753   | 670   |   |       |       |       |

<sup>1</sup> Returned in 1900 as in Kingwood district only.

<sup>2</sup> Incorporated in 1905.

<sup>3</sup> Incorporated in 1906.

<sup>4</sup> Incorporated as a city in 1908.

<sup>5</sup> Incorporated in 1907.

<sup>6</sup> Incorporated in 1901.

<sup>7</sup> Incorporated in 1908.

<sup>8</sup> Incorporated in 1909.

<sup>9</sup> Incorporated in 1903.

<sup>10</sup> Part annexed to Elkins city in 1901.

<sup>11</sup> Incorporated as a city and part of Leadsville district (South Elkins town) annexed in 1901.

<sup>12</sup> Incorporated in 1900.

<sup>13</sup> Incorporated in 1902.

<sup>14</sup> Avis town incorporated from part of Hinton city (old wards 4 and 5) in 1901.

<sup>15</sup> Part of Fetterman district (Fetterman town) annexed to Grafton city in 1903.

<sup>16</sup> Incorporated as a city in 1907.



# STATISTICS OF POPULATION.

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

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

| MINOR CIVIL DIVISION.   | 1910          | 1900          | 1890          | MINOR CIVIL DIVISION.   | 1910          | 1900          | 1890          |
|---|---------------|---------------|---------------|---|---------------|---------------|---------------|
| <b>Tyler County</b> .....   | <b>16,211</b> | <b>18,252</b> | <b>11,962</b> | <b>Wetzel County—Continued.</b>                                       |               |               |               |
| Centreville district, including Centreville town..                        | 1,372         | 1,720         | 1,445         | Grant district, including Pine Grove and Smithfield towns.....        | 0,872         | 5,001         | 3,184         |
| Centreville town.....   | 118           | 166           | .....         | Pine Grove town <sup>5</sup> .....                                    | 474           | .....         | .....         |
| Ellsworth district, including Middlebourne town.....                      | 3,424         | 3,593         | 3,442         | Smithfield town <sup>2</sup> .....                                    | 765           | .....         | .....         |
| Middlebourne town.....  | 546           | 408           | .....         | Green district.....   | 3,119         | 3,750         | 2,461         |
| Lincoln district, including Sistersville city.....                        | 5,425         | 5,829         | 1,799         | Magnolia district, including Brooklyn and New Martinsville towns..... | 4,897         | 3,702         | 2,602         |
| Sistersville city.....  | 2,684         | 2,979         | 4,099         | Brooklyn town.....  | 687           | 632           | 285           |
| McElroy district.....   | 2,887         | 3,607         | 2,363         | New Martinsville town.....  | 2,176         | 1,089         | 692           |
| Meade district.....   | 1,661         | 1,877         | 1,633         | Proctor district.....   | 2,304         | 2,987         | 2,516         |
| Union district, including Friendly town.....                              | 1,442         | 1,626         | 1,883         |   |               |               |               |
| Friendly town.....  | 217           | 255           | .....         | <b>Wirt County</b> .....  | <b>9,047</b>  | <b>10,284</b> | <b>9,411</b>  |
| <b>Upshur County</b> .....  | <b>16,629</b> | <b>14,696</b> | <b>12,714</b> | Burning Springs district.....   | 1,705         | 1,873         | 1,787         |
| Banks district.....   | 3,508         | 3,201         | 2,577         | Clay district.....  | 901           | 1,054         | 950           |
| Buckhannon district, including Buckhannon and South Buckhannon towns..... | 4,507         | 3,489         | 2,542         | Elizabeth district, including Elizabeth town.....                     | 1,959         | 2,238         | 2,193         |
| Buckhannon town.....  | 2,225         | 1,589         | 1,403         | Elizabeth town.....   | 674           | 667           | 710           |
| South Buckhannon town <sup>1</sup> .....                                  | 681           | .....         | .....         | Newark district.....  | 627           | 686           | 640           |
| Meade district.....   | 2,623         | 2,316         | 2,124         | Reedy district.....   | 1,490         | 1,639         | 1,380         |
| Union district.....   | 2,321         | 2,115         | 1,941         | Spring Creek district.....  | 1,201         | 1,290         | 964           |
| Warren district.....  | 1,201         | 1,239         | 1,418         | Tucker district.....  | 1,164         | 1,504         | 1,517         |
| Washington district.....  | 2,469         | 2,396         | 2,112         |   |               |               |               |
| <b>Wayne County</b> .....   | <b>24,081</b> | <b>23,619</b> | <b>18,652</b> | <b>Wood County</b> .....  | <b>38,001</b> | <b>34,452</b> | <b>28,612</b> |
| Butler district, including Cassville town.....                            | 4,907         | 4,888         | 4,453         | Clay district.....  | 1,762         | 2,147         | 1,858         |
| Cassville town <sup>2</sup> .....   | 457           | .....         | .....         | Harris district.....  | 1,796         | 2,171         | 2,494         |
| Ceredo district, including Ceredo and Kenova towns.....                   | 4,428         | 4,681         | 3,604         | Lubeck district.....  | 2,794         | 2,904         | 2,491         |
| Ceredo town.....  | 1,215         | 1,279         | 923           | Parkersburg district, <sup>6</sup> including Parkersburg city.....    | 20,861        | 14,903        | 10,697        |
| Ward 1.....   | 549           | .....         | .....         | Parkersburg city <sup>6</sup> .....                                   | 17,842        | 11,703        | 8,408         |
| Ward 2.....   | 666           | .....         | .....         | Ward 1.....   | 1,955         | .....         | .....         |
| Ward 3.....   | .....         | .....         | .....         | Ward 2.....   | 2,605         | .....         | .....         |
| Ward 4.....   | .....         | .....         | .....         | Ward 3.....   | 3,652         | .....         | .....         |
| Ward 5.....   | .....         | .....         | .....         | Ward 4.....   | 3,189         | .....         | .....         |
| Ward 6.....   | .....         | .....         | .....         | Ward 5.....   | 3,060         | .....         | .....         |
| Ward 7.....   | .....         | .....         | .....         | Ward 6.....   | 722           | .....         | .....         |
| Ward 8.....   | .....         | .....         | .....         | Ward 7.....   | 1,273         | .....         | .....         |
| Grant district.....   | 2,025         | 1,972         | 1,589         | Ward 8.....   | 1,611         | .....         | .....         |
| Lincoln district.....   | 4,693         | 4,326         | 3,144         | Slate district.....   | 1,002         | 1,163         | 1,107         |
| Stonewall district.....   | 3,458         | 3,060         | 2,015         | Steele district.....  | 1,691         | 2,295         | 2,663         |
| Union district, including Fairview town.....                              | 4,570         | 4,692         | 3,847         | Tygart district.....  | 2,083         | 1,994         | 1,684         |
| Fairview town.....  | 534           | 407           | 361           | Union district.....   | 1,781         | 2,396         | 1,875         |
|   |               |               |               | Walker district.....  | 1,760         | 2,287         | 2,253         |
| <b>Webster County</b> .....   | <b>9,680</b>  | <b>8,862</b>  | <b>4,783</b>  | Williams district, including Williamstown town.....                   | 2,821         | 2,192         | 1,590         |
| Fort Lick district, including Addison town.....                           | 2,397         | 1,856         | 1,416         | Williamstown town <sup>7</sup> .....                                  | 1,159         | .....         | .....         |
| Addison town (Webster Springs P. O.).....                                 | 500           | 297           | .....         |   |               |               |               |
| Glade district, including Camden-on-Gauley and Cowen towns.....           | 3,991         | 3,874         | 1,460         | <b>Wyoming County</b> .....   | <b>10,392</b> | <b>8,380</b>  | <b>6,247</b>  |
| Camden-on-Gauley town <sup>3</sup> .....                                  | 263           | .....         | .....         | Baileysville district.....  | 1,110         | 945           | 628           |
| Cowen town.....   | 512           | 257           | .....         | Barkers Ridge district.....   | 1,608         | 1,196         | 867           |
| Hacker Valley district.....   | 1,480         | 1,583         | 1,094         | Center district, including Pineville town.....                        | 2,122         | 1,794         | 1,404         |
| Holly district.....   | 1,802         | 1,544         | 813           | Pineville town <sup>8</sup> .....                                     | 334           | .....         | .....         |
|   |               |               |               | Clear Fork district.....  | 1,227         | 1,158         | 762           |
| <b>Wetzel County</b> .....  | <b>23,855</b> | <b>22,880</b> | <b>16,841</b> | Huff Creek district.....  | 807           | 744           | 483           |
| Center district, including Wileyville town.....                           | 2,489         | 2,526         | 2,472         | Oceana district, including Oceana town.....                           | 1,764         | 1,652         | 1,343         |
| Wileyville town <sup>4</sup> .....  | 134           | .....         | .....         | Oceana town.....  | 129           | 137           | .....         |
| Church district, including Hundred town.....                              | 2,629         | 2,291         | 2,240         | Slab Fork district.....   | 1,655         | 891           | 760           |
| Hundred town.....   | 557           | 261           | .....         |   |               |               |               |
| Clay district, including Littleton town.....                              | 1,646         | 1,723         | 1,306         |   |               |               |               |
| Littleton town.....   | 718           | 509           | .....         |   |               |               |               |

<sup>1</sup> Incorporated in 1900.  
<sup>2</sup> Incorporated in 1902.  
<sup>3</sup> Incorporated in 1904.  
<sup>4</sup> Incorporated in 1903.

<sup>5</sup> Incorporated in 1907.  
<sup>6</sup> Part of Parkersburg district annexed to Parkersburg city in 1903.  
<sup>7</sup> Incorporated in 1901.

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

| CITY, TOWN, OR VILLAGE.                   | County.           | 1910   | 1900  | 1890  | CITY, TOWN, OR VILLAGE.    | County.         | 1910   | 1900   | 1890  |
|---|-------------------|--------|-------|-------|----------------------------|-----------------|--------|--------|-------|
| Adamstown.....                            | Harrison.....     | 1,200  | ..... | ..... | Bramwell town.....         | Mercer.....     | 1,458  | 825    | 499   |
| Addison town (Webster Springs P. O.)..... | Webster.....      | 500    | 297   | ..... | Brandonville town.....     | Preston.....    | 96     | 68     | 82    |
| Anderson town.....                        | {Greenbrier.....} | 1,252  | 518   | 663   | Bridgeport town.....       | Harrison.....   | 577    | 464    | 455   |
| Alvord town.....                          | {Monroe.....}     | 229    | ..... | ..... | Brooklyn town.....         | Wetzel.....     | 627    | 632    | 285   |
| Ansted town.....                          | Roane.....        | 1,030  | 1,090 | ..... | Bruceston town.....        | Preston.....    | 116    | 80     | ..... |
| Athens town.....                          | Fayette.....      | .....  | ..... | ..... | Buckhannon town.....       | Upshur.....     | 2,225  | 1,589  | 1,403 |
| Auburn town.....                          | Mercer.....       | 575    | ..... | ..... | Buffalo village.....       | Putnam.....     | 384    | 364    | 238   |
| Avis town.....                            | Ritchie.....      | 199    | ..... | ..... | Burkes Garden town.....    | McDowell.....   | 500    | .....  | ..... |
| Barboursville town.....                   | Summers.....      | 1,432  | ..... | ..... | Burnsville town.....       | Braxton.....    | 770    | .....  | ..... |
| Barnstown village.....                    | Cabell.....       | 907    | 429   | ..... | Cairo town.....            | Ritchie.....    | 608    | 653    | ..... |
| Bayard town.....                          | Marion.....       | 655    | ..... | ..... | Camden-on-Gauley town..... | Webster.....    | 263    | .....  | ..... |
| Beckley city.....                         | Grant.....        | 417    | 540   | ..... | Cameron town.....          | Marshall.....   | 1,660  | 964    | ..... |
| Belington city.....                       | Raleigh.....      | 2,161  | 342   | 168   | Capon Bridge town.....     | Hampshire.....  | 213    | .....  | ..... |
| Benwood city.....                         | Barbour.....      | 1,481  | 490   | ..... | Cass town.....             | Pocahontas..... | 496    | .....  | ..... |
| Berkeley Springs town.....                | Marshall.....     | 4,976  | 4,511 | 2,934 | Cassville town.....        | Wayne.....      | 457    | .....  | ..... |
| Bethany village.....                      | Morgan.....       | 864    | 781   | ..... | Cedar Grove town.....      | Kanawha.....    | 679    | .....  | ..... |
| Beverly town.....                         | Grant.....        | 433    | 245   | ..... | Centreville town.....      | Tyler.....      | 113    | 156    | ..... |
| Blacksville town.....                     | Randolph.....     | 438    | 464   | 343   | Ceredo town.....           | Wayne.....      | 1,215  | 1,279  | 923   |
| Bluefield city.....                       | Monongalia.....   | 204    | 180   | ..... | Charles Town.....          | Jefferson.....  | 2,662  | 2,392  | 2,287 |
| Bolivar town.....                         | Mercer.....       | 11,188 | 4,644 | 1,775 | Charleston city.....       | Kanawha.....    | 22,996 | 11,099 | 6,742 |
|   | Jefferson.....    | 687    | 781   | 804   |                            |                 |        |        |       |

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

| CITY, TOWN, OR VILLAGE.                | County.         | 1910   | 1900   | 1890   | CITY, TOWN, OR VILLAGE.                | County.         | 1910   | 1900   | 1890   |
|--|-----------------|--------|--------|--------|--|-----------------|--------|--------|--------|
| Chester city.....                      | Hancock.....    | 3,184  |        |        | Montgomery town.....                   | Fayette.....    | 1,888  | 1,594  |        |
| Clark town.....                        | McDowell.....   | 165    |        |        | Montrose village.....                  | Randolph.....   | 112    |        |        |
| Clarksburg city.....                   | Harrison.....   | 9,201  | 4,050  | 3,008  | Moorfield town.....                    | Hardy.....      | 646    | 460    | 495    |
| Clendenin town.....                    | Kanawha.....    | 815    |        |        | Morgantown city.....                   | Monongalia..... | 9,150  | 1,895  | 1,011  |
| Cowen town.....                        | Webster.....    | 312    | 257    |        | Moundsville city.....                  | Marshall.....   | 8,918  | 5,362  | 2,689  |
| Davis town.....                        | Tucker.....     | 2,615  | 2,391  | 918    | Mount Hope town.....                   | Fayette.....    | 494    | 351    |        |
| Durbin town.....                       | Pocahontas..... | 890    |        |        | New Cumberland town.....               | Hancock.....    | 1,807  | 2,198  | 2,305  |
| Eastbank town.....                     | Kanawha.....    | 551    | 468    |        | New Martinsville town.....             | Wetzel.....     | 2,176  | 1,089  | 692    |
| Edgewood town.....                     | Ohio.....       | 1,455  |        |        | Newburg town.....                      | Preston.....    | 823    | 751    | 778    |
| Elizabeth town.....                    | Wirt.....       | 674    | 657    | 710    | North Point Pleasant village.....      | Mason.....      | 452    |        |        |
| Elk Garden town.....                   | Mineral.....    | 438    | 581    | 723    | Northfork town.....                    | McDowell.....   | 425    |        |        |
| Elkins city.....                       | Randolph.....   | 5,260  | 2,016  | 737    | Oak Hill town.....                     | Fayette.....    | 764    |        |        |
| Ellenboro town.....                    | Ritchie.....    | 204    |        |        | Oakvale town.....                      | Mercer.....     | 275    |        |        |
| Elm Grove town.....                    | Ohio.....       | 1,899  | 768    | 594    | Oceana town.....                       | Wyoming.....    | 129    | 187    |        |
| Fairmont city.....                     | Marion.....     | 9,711  | 5,655  | 1,023  | Ogden City town.....                   | Fayette.....    | 210    |        |        |
| Fairview town.....                     | Marion.....     | 782    |        | 235    | Parkersburg city.....                  | Wood.....       | 17,842 | 11,703 | 8,408  |
| Fairview town.....                     | Wayne.....      | 384    | 407    | 361    | Parsons city.....                      | Tucker.....     | 1,780  | 618    |        |
| Falling Spring town.....               | Greenbrier..... | 270    |        |        | Patterson town.....                    | Ohio.....       | 725    |        |        |
| Farmingington town.....                | Marion.....     | 519    |        |        | Paw Paw town.....                      | Morgan.....     | 713    | 693    | 772    |
| Fayette Station town.....              | Fayette.....    | 399    |        |        | Pennsboro town.....                    | Ritchie.....    | 930    | 738    | 570    |
| Fayetteville town.....                 | Fayette.....    | 671    | 413    |        | Peterstown town.....                   | Monroe.....     | 257    |        |        |
| Flat Woods town.....                   | Braxton.....    | 234    |        |        | Phillippi city.....                    | Barbour.....    | 1,038  | 665    | 378    |
| Follansbee town.....                   | Brooke.....     | 2,031  |        |        | Piedmont town.....                     | Mineral.....    | 2,054  | 2,115  |        |
| Frantown town.....                     | Braxton.....    | 163    |        |        | Pine Grove town.....                   | Wetzel.....     | 474    |        |        |
| Frankford town.....                    | Greenbrier..... | 102    | 138    |        | Pineville town.....                    | Wyoming.....    | 334    |        |        |
| Franklin town.....                     | Pendleton.....  | 200    | 205    |        | Pleasant Valley town.....              | Ohio.....       | 346    | 180    |        |
| Friendly town.....                     | Tyler.....      | 217    | 253    |        | Point Pleasant town.....               | Mason.....      | 2,045  | 1,934  | 1,853  |
| Fulton town.....                       | Ohio.....       | 1,038  |        |        | Powellton town.....                    | Fayette.....    | 413    | 503    | 491    |
| Gassaway town.....                     | Braxton.....    | 1,086  |        |        | Prairie town.....                      | Kanawha.....    | 306    |        |        |
| Glady town.....                        | Randolph.....   | 281    |        |        | Princeton city.....                    | Mercer.....     | 3,027  |        |        |
| Glen Jean town.....                    | Fayette.....    | 722    |        |        | Pullman town.....                      | Ritchie.....    | 230    |        |        |
| Glenvilla town.....                    | Gilmer.....     | 336    | 398    | 329    | Ravenswood town.....                   | Jackson.....    | 1,081  | 1,074  | 817    |
| Grafton city.....                      | Taylor.....     | 7,653  | 5,650  | 3,159  | Reedsville village.....                | Preston.....    | 208    |        |        |
| Grantsville town.....                  | Calhoun.....    | 282    | 225    |        | Reedy town.....                        | Roane.....      | 313    | 300    |        |
| Guyandotte town.....                   | Cabell.....     | 1,702  | 1,450  | 1,502  | Richwood town.....                     | Nicholas.....   | 3,061  |        |        |
| Hambleton town.....                    | Tucker.....     | 1,300  |        |        | Ripley town.....                       | Jackson.....    | 591    | 579    | 417    |
| Harding village.....                   | Randolph.....   | 105    |        |        | Rivesville town.....                   | Marion.....     | 190    | 164    | 165    |
| Harman village.....                    | Randolph.....   | 149    |        |        | Romney town.....                       | Hampshire.....  | 1,112  | 580    | 451    |
| Harpers Ferry town.....                | Jefferson.....  | 766    | 896    | 958    | Roncoverte city.....                   | Greenbrier..... | 2,157  | 968    | 481    |
| Harrisville town.....                  | Ritchie.....    | 608    | 472    | 361    | Rowlesburg town.....                   | Preston.....    | 936    | 652    | 560    |
| Hartford City town.....                | Mason.....      | 358    | 515    | 446    | St. Albans town.....                   | Kanawha.....    | 1,209  | 816    |        |
| Hawks Nest town.....                   | Fayette.....    | 120    | 109    |        | St. George town.....                   | Tucker.....     | 245    | 152    | 310    |
| Hedgesville town.....                  | Berkeley.....   | 328    | 342    | 448    | St. Marys city.....                    | Pleasants.....  | 1,358  | 825    | 520    |
| Henderson town.....                    | Mason.....      | 286    | 304    |        | Salem city.....                        | Harrison.....   | 2,169  | 746    | 310    |
| Hendricks town.....                    | Tucker.....     | 640    | 317    |        | Scarbro town.....                      | Fayette.....    | 1,633  |        |        |
| Henry town.....                        | Clay.....       | 392    | 339    |        | Seebert town.....                      | Pocahontas..... | 190    |        |        |
| Hill Top town.....                     | Fayette.....    | 701    | 263    |        | Shepherdstown town.....                | Jefferson.....  | 1,070  | 1,184  | 1,515  |
| Hillsboro village (Academy P. O.)..... | Pocahontas..... | 181    | 204    | 160    | Shinnston town.....                    | Harrison.....   | 1,224  | 535    | 403    |
| Hinton city.....                       | Summers.....    | 3,656  | 3,703  | 2,570  | Sistersville city.....                 | Tyler.....      | 2,684  | 2,079  | 469    |
| Hundred town.....                      | Wetzel.....     | 557    | 261    |        | Smithfield town.....                   | Wetzel.....     | 765    |        |        |
| Huntington city.....                   | Cabell.....     | 31,161 | 11,023 | 10,108 | South Buckhannon town.....             | Upshur.....     | 681    |        |        |
| Hurricane village.....                 | Putnam.....     | 422    | 240    | 207    | South Keyser town.....                 | Mineral.....    | 692    |        |        |
| Huttonsville town.....                 | Randolph.....   | 251    |        |        | Spencer town.....                      | Roane.....      | 1,224  | 787    | 481    |
| Ivydale town.....                      | Clay.....       | 236    |        |        | Springfield town.....                  | Hampshire.....  | 135    | 143    |        |
| Jane Lew town.....                     | Lewis.....      | 327    |        |        | Star City town.....                    | Monongalia..... | 318    |        |        |
| Job village.....                       | Randolph.....   | 190    |        |        | Stealey Heights town.....              | Harrison.....   | 511    |        |        |
| Junior town.....                       | Barbour.....    | 495    | 335    |        | Stuart town.....                       | Fayette.....    | 697    |        |        |
| Kenova town.....                       | Wayne.....      | 932    | 863    |        | Summersville town.....                 | Nicholas.....   | 204    | 223    |        |
| Keyser town.....                       | Mineral.....    | 3,705  | 2,636  | 2,166  | Sutton town.....                       | Braxton.....    | 1,121  | 864    | 276    |
| Keystone city.....                     | McDowell.....   | 2,047  | 1,088  |        | Terra Alta town.....                   | Preston.....    | 1,126  | 616    | 443    |
| Kilsyth town.....                      | Fayette.....    | 730    |        |        | Thomas town.....                       | Tucker.....     | 2,354  | 2,120  | 269    |
| Kimball town.....                      | McDowell.....   | 1,630  |        |        | Thurmond town.....                     | Fayette.....    | 315    |        |        |
| Kingwood town.....                     | Preston.....    | 800    | 700    |        | Triadelphia town.....                  | Ohio.....       | 261    | 287    | 515    |
| Laneville town.....                    | Randolph.....   | 333    |        |        | Troy town.....                         | Gilmer.....     | 144    | 148    |        |
| Layopolls town.....                    | Tucker.....     | 166    |        |        | Tunnelton town.....                    | Preston.....    | 792    | 479    |        |
| Leatherwood town.....                  | Ohio.....       | 144    | 123    |        | Union town.....                        | Monroe.....     | 298    | 256    | 348    |
| Leon village.....                      | Mason.....      | 240    | 250    | 242    | Wardensville town.....                 | Hardy.....      | 123    | 152    | 106    |
| Lewisburg town.....                    | Greenbrier..... | 803    | 872    | 1,016  | Watson town (Capon Springs P. O.)..... | Hampshire.....  | 11     | 18     |        |
| Littleton town.....                    | Wetzel.....     | 712    | 509    |        | Welch town.....                        | McDowell.....   | 1,526  | 442    |        |
| Logan city.....                        | Logan.....      | 1,640  | 444    |        | Wellsburg city.....                    | Brooke.....     | 4,189  | 2,588  | 2,235  |
| Lumberport town.....                   | Harrison.....   | 656    |        |        | West Milford town.....                 | Harrison.....   | 212    | 187    | 210    |
| McMechen city.....                     | Marshall.....   | 2,921  | 1,465  | 427    | West Union town.....                   | Doddridge.....  | 779    | 623    | 312    |
| Mabscott town.....                     | Raleigh.....    | 561    |        |        | Weston town.....                       | Lewis.....      | 2,213  | 2,560  | 2,143  |
| Macedonald town.....                   | Fayette.....    | 1,153  |        |        | Wheeling city.....                     | Ohio.....       | 41,641 | 38,878 | 34,522 |
| Madison town.....                      | Boone.....      | 295    |        |        | White Sulphur Springs town.....        | Greenbrier..... | 338    |        |        |
| Mannington city.....                   | Marion.....     | 2,072  | 1,681  | 908    | Whitmer town.....                      | Randolph.....   | 650    |        |        |
| Marlinton town.....                    | Pocahontas..... | 1,045  | 171    |        | Wileyville town.....                   | Wetzel.....     | 134    |        |        |
| Martinsburg city.....                  | Berkeley.....   | 10,698 | 7,564  | 7,226  | Williamsburg town.....                 | Greenbrier..... | 120    |        |        |
| Mason town.....                        | Mason.....      | 784    | 904    | 1,029  | Williamson city.....                   | Mingo.....      | 3,561  |        |        |
| Masontown town.....                    | Preston.....    | 520    |        |        | Williamstown town.....                 | Wood.....       | 1,139  |        |        |
| Matewan city.....                      | Mingo.....      | 588    |        |        | Winfield town.....                     | Putnam.....     | 291    | 338    | 302    |
| Middlebourne town.....                 | Tyler.....      | 546    | 403    |        | Womelsdorf town.....                   | Randolph.....   | 665    |        |        |
| Mill Creek town.....                   | Randolph.....   | 740    |        |        | Woodsdale town.....                    | Ohio.....       | 831    |        |        |
| Milton town.....                       | Cabell.....     | 837    | 582    | 548    | Worthington town.....                  | Marion.....     | 292    |        |        |
| Monongah town.....                     | Marion.....     | 2,084  | 1,786  |        |  |                 |        |        |        |

## CHAPTER 2.

### COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

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

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

A series of summary tables (numbered 1 to 13) reproduces from the general tables the more important state and city totals, and presents also certain additional data relative to state of birth, age, and marital condition.

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

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

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

The census inquiry as to school attendance was merely as to whether the person enumerated had

attended any kind of school at any time between September 1, 1909, and the date of enumeration, April 15, 1910.

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

**Color and nativity** (Table 1).—Of the total population of West Virginia, 1,156,817, or 94.7 per cent, are whites, and 64,173, or 5.3 per cent, negroes. The corresponding percentages in 1900 were 95.5 and 4.5. In 42 of the 55 counties less than 5 per cent of the population are negroes; in only 4 counties does the proportion of negroes exceed 12.5 per cent, the maximum percentage, 30.6, being that for McDowell County. (See map on page 587.)

Native whites of native parentage constitute 85.3 per cent of the total population of the state, and 90.1 per cent of the white population. Native whites of foreign or mixed parentage and foreign-born whites each constitute only 4.7 per cent of the total population.

Of the urban population, 74.8 per cent are native whites of native parentage; of the rural, 87.8 per cent. The corresponding proportions for native whites of foreign or mixed parentage are 11.6 and 3.1 per cent, respectively. The percentage of foreign-born whites is 6.9 in the urban population and 4.2 in the rural; the percentage of negroes is 6.7 in the urban and 4.9 in the rural.

**Sex** (Table 2).—In the total population of the state there are 644,044 males and 577,075 females, or 111.6 males to 100 females. In 1900 the ratio was 108.6 to 100. Among the whites there are 110.5 males to 100 females; among the negroes, 132.8. Among native whites the ratio is 106.1 to 100, as compared with 261.8 to 100 for the foreign-born whites. In the urban population there are 104.2 males to 100 females, and in the rural, 113.4.

**State of birth** (Tables 3 and 4).—Of the native population—that is, population born in the United States—80 per cent were born in West Virginia and 20 per cent outside the state; of the native white population, 17.8 per cent were born outside the state; and of the native negro, 57.6 per cent. Persons born outside the state constitute a larger proportion of the native population in urban than in rural communities.

**Foreign nationalities** (Table 5).—Of the foreign-born white population of West Virginia, persons born in Italy represent 30.3 per cent; Austria, 14.6; Germany, 11.1; Hungary, 10.4; Russia, 9; Eng-

land, 6.1; Ireland, 4; Scotland, 1.9; all other countries, 12.5. Of the total white stock of foreign origin, which includes persons born abroad and also natives having one or both parents born abroad, Germany contributed 21.7 per cent; Italy, 18.5; Ireland, 11.5; Austria, 9.5; England, 9; Hungary, 6.6; Russia, 6.4; Scotland, 2.9.

**Voting and militia ages** (Table 6).—The total number of males 21 years of age and over is 338,349, representing 27.7 per cent of the population. Of such males, 93.2 per cent are whites and 6.7 per cent negroes. Native whites represent 83 per cent of the total number and foreign-born whites 10.3 per cent. Of the 34,687 foreign-born white males of voting age, 7,263, or 20.9 per cent, are naturalized. Males of militia age—18 to 44—number 275,048.

**Age** (Tables 7, 8, and 12).—Of the total population, 13.8 per cent are under 5 years of age, 22.8 per cent from 5 to 14 years, inclusive, 20.2 per cent from 15 to 24, 27.4 per cent from 25 to 44, and 15.5 per cent 45 years of age and over. The foreign-born white population comprises comparatively few children, only 6.9 per cent of this class being under 15 years of age, while 69.9 per cent are 25 years of age and over. Of the native whites of native parentage, 40.9 per cent are 25 and over, and of the negroes, 46.5 per cent. The negro population comprises a somewhat smaller proportion of children under 5 than the native white of native parentage. The proportion under 5 is greatest among native whites of foreign or mixed parentage.

The urban population shows a smaller proportion of children than the rural and a larger proportion of persons in the prime of life. Migration to the city explains this at least in part. Of the urban population, 33.2 per cent are from 25 to 44 years of age, inclusive, and of the rural population, 26.1 per cent.

**School attendance** (Table 9).—The total number of persons of school age—that is, from 6 to 20 years, inclusive—is 396,818, of whom 259,971, or 65.5 per cent, attended school. In addition to these, 3,544 children under 6 and 3,896 persons 21 and over attended school. For boys from 6 to 20 years, inclusive, the percentage attending school was 64.9; for girls, 66.2. For children from 6 to 14 years, inclusive, the percentage attending school was 82.5. The percentage for children of this age among native whites of native parentage was 83; among native whites of foreign or mixed parentage, 82.9; among foreign-born whites, 66.1; and among negroes, 76.2. (See Table I.) The percentage attending school for children of that age was 85.1 in the urban population, and 82.1 in the rural.

**Illiteracy** (Table 10).—There are 74,866 illiterates in the state, representing 8.3 per cent of the total population 10 years of age and over, as compared with 11.4 per cent in 1900. The percentage of illiteracy is 6.4 among native whites, 23.9 among foreign-born whites, and 20.3 among negroes. Among native whites of native parentage it is 6.7, and among native whites of foreign or mixed parentage, 2.

Illiterates are relatively fewer in urban than in rural communities, the percentage being 4 in the urban population and 9.4 in the rural. For each class of the population separately, also, the rural percentage is higher than the urban—decidedly higher for the foreign-born whites and for the negroes.

For persons from 10 to 20 years of age, inclusive, whose literacy depends largely upon present school facilities and school attendance, the percentage of illiteracy is 4.1. (See Table I.)

**Marital condition** (Tables 11 and 13).—In the population 15 years of age and over, 38.9 per cent of the males are single and 28 per cent of the females. The percentage married is 56.7 for males and 63.3 for females, and the percentage widowed 3.7 and 7.9, respectively. The percentages of those reported as divorced, 0.3 and 0.5, respectively, are believed to be too small, because of the probability that many divorced persons class themselves as single or widowed.

That the percentage single is so much smaller for women than for men is due partly to the excess of males in the total population, but mainly to the fact that women marry younger. Thus, 15.5 per cent of the females from 15 to 19 years of age are married, as compared with 1.3 per cent of the males; and 57.9 per cent of the females from 20 to 24 years are married, as compared with 25.8 per cent of the males. In the next age group, 25 to 34 years, the difference is less marked, the percentages being 80.4 and 66.7, respectively, and it is inconsiderable in the age group 35 to 44. Among those 45 and over the percentage married is higher among the males. That there is a larger proportion of widows than of widowers may indicate that men more often remarry than women, but, since husbands are generally older than their wives, the marriage relationship is more often broken by death of the husband than by death of the wife.

For the main elements of the population the percentages married among those 15 years of age and over are as follows: Native whites of native parentage, 58 for males, 63.1 for females; native whites of foreign or mixed parentage, 56.6 both for males and for females; foreign-born whites, 53.6 and 76.6; negroes, 45.7 and 62.2.

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

**Dwellings and families.**—The total number of dwellings in West Virginia is 239,128, and the total number of families 248,480, indicating that in comparatively few cases does more than one family occupy a dwelling. (See Table I.) The average number of persons per dwelling is 5.1, and the average number per family, 4.9.



SUPPLEMENT FOR WEST VIRGINIA.

TABLE 7.—AGE, FOR THE STATE. [Per cent not shown where base is less than 100.]

Table with columns: AGE PERIOD, TOTAL POPULATION (1910, 1900, Male, Female), NATIVE WHITE (Native parentage, Foreign or mixed parentage), FOREIGN-BORN WHITE (Male, Female), NEGRO (Male, Female), INDIAN, CHINESE, AND JAPANESE (Male, Female). Rows include 'All ages, number' and 'All ages, per cent' for various age groups from 5 to 65+ years.

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

Table with columns: AGE PERIOD, TOTAL (Male, Female), NATIVE WHITE (Male, Female), FOREIGN-BORN WHITE (Male, Female), NEGRO (Male, Female). Rows include 'All ages, number' and 'All ages, per cent' for various age groups from 5 to 65+ years, broken down by urban and rural population.

TABLE 9.—SCHOOL ATTENDANCE.

Table with columns: AGE PERIOD, TOTAL (Number, Attending school), NATIVE WHITE (Native parentage, Foreign or mixed parentage), FOREIGN-BORN WHITE, NEGRO. Rows include 'THE STATE' (6 to 20 years, 10 to 14 years, etc.), 'URBAN POPULATION', and 'RURAL POPULATION'.



SUPPLEMENT FOR WEST VIRGINIA.

TABLE 12.—AGE, FOR CITIES OF 25,000 OR MORE.

| AGE PERIOD.            | TOTAL. |         | NATIVE WHITE. |         | FOREIGN-BORN WHITE. |         | NEGRO. |         | AGE PERIOD.            | TOTAL. |         | NATIVE WHITE. |         | FOREIGN-BORN WHITE. |         | NEGRO. |         |
|------------------------|--------|---------|---------------|---------|---------------------|---------|--------|---------|------------------------|--------|---------|---------------|---------|---------------------|---------|--------|---------|
|                        | Male.  | Female. | Male.         | Female. | Male.               | Female. | Male.  | Female. |                        | Male.  | Female. | Male.         | Female. | Male.               | Female. | Male.  | Female. |
| Huntington.....        | 16,020 | 15,141  | 14,531        | 13,954  | 326                 | 188     | 1,152  | 988     | Wheeling.....          | 20,583 | 21,058  | 17,039        | 17,976  | 2,928               | 2,490   | 609    | 592     |
| Under 5 years.....     | 1,700  | 1,602   | 1,620         | 1,529   | 1                   | 2       | 79     | 71      | Under 5 years.....     | 1,976  | 1,892   | 1,917         | 1,844   | 15                  | 13      | 44     | 35      |
| Under 1 year.....      | 313    | 272     | 301           | 262     | .....               | .....   | 12     | 10      | Under 1 year.....      | 391    | 390     | 380           | 382     | 1                   | 1       | 10     | 7       |
| 5 to 9 years.....      | 1,500  | 1,537   | 1,471         | 1,436   | 2                   | 4       | 84     | 97      | 5 to 9 years.....      | 1,775  | 1,778   | 1,706         | 1,718   | 36                  | 24      | 33     | 36      |
| 10 to 14 years.....    | 1,496  | 1,425   | 1,391         | 1,336   | 5                   | 6       | 103    | 83      | 10 to 14 years.....    | 1,754  | 1,740   | 1,691         | 1,680   | 41                  | 33      | 22     | 27      |
| 15 to 19 years.....    | 1,579  | 1,712   | 1,491         | 1,535   | 9                   | 11      | 108    | 116     | 15 to 19 years.....    | 1,879  | 2,014   | 1,740         | 1,842   | 97                  | 125     | 42     | 47      |
| 20 to 24 years.....    | 1,814  | 1,857   | 1,648         | 1,702   | 28                  | 17      | 138    | 138     | 20 to 24 years.....    | 2,034  | 2,363   | 1,671         | 2,024   | 306                 | 256     | 57     | 83      |
| 25 to 34 years.....    | 3,021  | 2,732   | 2,677         | 2,499   | 74                  | 36      | 268    | 197     | 25 to 34 years.....    | 4,010  | 3,947   | 3,123         | 3,336   | 739                 | 452     | 146    | 159     |
| 35 to 44 years.....    | 2,216  | 1,913   | 1,943         | 1,738   | 71                  | 33      | 198    | 142     | 35 to 44 years.....    | 3,090  | 3,006   | 2,412         | 2,518   | 542                 | 389     | 131    | 99      |
| 45 to 64 years.....    | 2,198  | 1,892   | 1,902         | 1,718   | 86                  | 50      | 146    | 123     | 45 to 64 years.....    | 3,324  | 3,396   | 2,400         | 2,575   | 806                 | 736     | 118    | 85      |
| 65 years and over..... | 422    | 412     | 348           | 362     | 49                  | 29      | 25     | 21      | 65 years and over..... | 683    | 906     | 324           | 424     | 344                 | 462     | 15     | 20      |
| Age unknown.....       | 14     | 9       | 10            | 9       | 1                   | .....   | 3      | .....   | Age unknown.....       | 58     | 16      | 55            | 15      | 2                   | .....   | 1      | 1       |

TABLE 13.—MARITAL CONDITION, FOR CITIES OF 25,000 OR MORE.

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

| CLASS OF POPULATION AND AGE PERIOD.          | MALES 15 YEARS OF AGE AND OVER. |          |           |          |           |           | FEMALES 15 YEARS OF AGE AND OVER. |                     |          |           |          |           |           |            |
|--|---------------------------------|----------|-----------|----------|-----------|-----------|-----------------------------------|---------------------|----------|-----------|----------|-----------|-----------|------------|
|  | Total. <sup>1</sup>             | Single.  |           | Married. |           | Wid-owed. | Di-voiced.                        | Total. <sup>1</sup> | Single.  |           | Married. |           | Wid-owed. | Di-voiced. |
|  |                                 | Num-ber. | Per-cent. | Num-ber. | Per-cent. |           |                                   |                     | Num-ber. | Per-cent. | Num-ber. | Per-cent. |           |            |
| <b>Huntington</b>                            |                                 |          |           |          |           |           |                                   |                     |          |           |          |           |           |            |
| Total.....                                   | 11,264                          | 4,453    | 39.5      | 6,343    | 56.3      | 361       | 55                                | 10,527              | 3,204    | 30.4      | 6,237    | 59.2      | 954       | 96         |
| 15 to 24 years.....                          | 3,893                           | 2,373    | 84.7      | 498      | 14.7      | 8         | 2                                 | 3,569               | 2,327    | 65.2      | 1,177    | 33.0      | 38        | 20         |
| 25 to 44 years.....                          | 5,237                           | 1,376    | 26.3      | 3,682    | 70.3      | 122       | 36                                | 4,645               | 748      | 16.1      | 3,543    | 76.3      | 274       | 62         |
| 45 years and over.....                       | 2,620                           | 198      | 7.6       | 2,160    | 82.4      | 231       | 17                                | 2,304               | 126      | 5.5       | 1,515    | 65.8      | 641       | 14         |
| Age unknown.....                             | 14                              | 6        | .....     | 3        | .....     | .....     | .....                             | 9                   | 3        | .....     | 2        | .....     | 1         | .....      |
| Native white—Native parentage.....           | 9,580                           | 3,761    | 39.3      | 5,442    | 56.8      | 295       | 41                                | 9,152               | 2,817    | 30.8      | 5,431    | 59.3      | 779       | 89         |
| Native white—Foreign or mixed parentage..... | 469                             | 164      | 35.0      | 289      | 61.6      | 14        | .....                             | 461                 | 115      | 24.9      | 301      | 65.3      | 44        | 1          |
| Foreign-born white.....                      | 318                             | 91       | 28.6      | 210      | 66.0      | 16        | 1                                 | 176                 | 28       | 15.9      | 117      | 66.5      | 30        | 1          |
| Negro.....                                   | 886                             | 426      | 48.1      | 402      | 45.4      | 36        | 13                                | 737                 | 244      | 33.1      | 388      | 52.6      | 100       | 5          |
| <b>Wheeling</b>                              |                                 |          |           |          |           |           |                                   |                     |          |           |          |           |           |            |
| Total.....                                   | 15,078                          | 5,951    | 39.5      | 8,326    | 55.2      | 631       | 50                                | 15,648              | 5,321    | 34.0      | 8,372    | 53.5      | 1,816     | 83         |
| 15 to 24 years.....                          | 3,013                           | 3,397    | 86.8      | 467      | 11.9      | 10        | .....                             | 4,377               | 3,102    | 72.2      | 1,152    | 26.3      | 22        | 13         |
| 25 to 44 years.....                          | 7,100                           | 2,133    | 30.0      | 4,757    | 67.0      | 142       | 40                                | 6,953               | 1,667    | 24.0      | 4,794    | 68.9      | 417       | 56         |
| 45 years and over.....                       | 4,007                           | 407      | 10.2      | 3,091    | 77.1      | 478       | 9                                 | 4,302               | 489      | 11.4      | 2,419    | 56.2      | 1,375     | 14         |
| Age unknown.....                             | 58                              | 14       | .....     | 11       | .....     | 1         | .....                             | 16                  | 3        | .....     | 7        | .....     | 2         | .....      |
| Native white—Native parentage.....           | 7,163                           | 3,076    | 42.9      | 3,745    | 52.3      | 238       | 28                                | 7,590               | 2,871    | 37.8      | 3,964    | 52.2      | 668       | 55         |
| Native white—Foreign or mixed parentage..... | 4,562                           | 1,935    | 42.4      | 2,425    | 53.2      | 158       | 21                                | 5,144               | 1,945    | 37.8      | 2,659    | 51.7      | 506       | 19         |
| Foreign-born white.....                      | 2,836                           | 745      | 26.3      | 1,882    | 66.4      | 192       | 1                                 | 2,420               | 362      | 15.0      | 1,486    | 61.4      | 561       | 5          |
| Negro.....                                   | 510                             | 189      | 37.1      | 273      | 53.5      | 43        | .....                             | 494                 | 143      | 28.0      | 263      | 53.2      | 81        | 4          |

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



PER CENT OF NEGROES IN TOTAL POPULATION OF WEST VIRGINIA,  
BY COUNTIES: 1910.

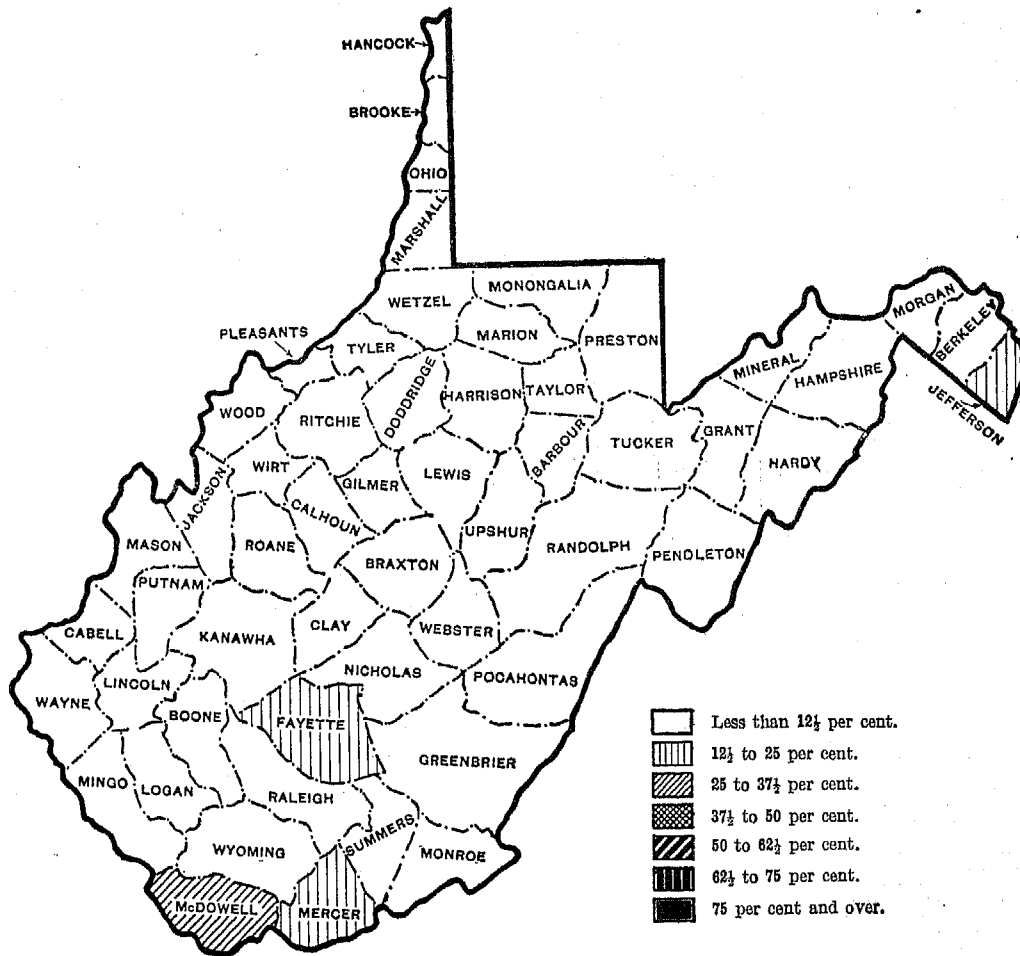


TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

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

Table with columns: SUBJECT, THE STATE, Barbour, Berkeley, Boone, Braxton, Brooke, Cabell, Calhoun, Clay, Doddridge, Fayette.1. Rows include POPULATION (Total population 1910, Increase 1900-1910, Land area, Urban and Rural Territory), COLOR AND NATIVITY (White, Negro, Indian, Chinese, and Japanese), PER CENT OF TOTAL POPULATION, FOREIGN NATIONALITIES (Foreign-Born White, Native White), and NATIVE WHITE: Both parents born in.

1 For changes in boundaries, etc., see page 601.

2 Less than one-tenth of 1 per cent.



TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

Table with columns for counties (Gillmer, Grant, Greenbrier, Hampshire, Hancock, Hardy, Harrison, Jackson, Jefferson, Kanawha, Lewis) and rows categorized by POPULATION, URBAN AND RURAL TERRITORY, COLOR AND NATIVITY, PER CENT OF TOTAL POPULATION, and FOREIGN NATIONALITIES. Sub-categories include 'Total population, 1910', 'Urban, 1910—Places of 2,500 or more in 1910', 'White', 'Negro', 'Foreign-born white', etc.

1 For changes in boundaries, etc., see page 601.



TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

Table with 12 columns (Lincoln, Logan, Mc-Dowell, Marion, Marshall, Mason, Mercer, Mineral, Mingo, Monongalia, Monroe) and rows categorized by POPULATION, URBAN AND RURAL TERRITORY, COLOR AND NATIVITY, PER CENT OF TOTAL POPULATION, and FOREIGN NATIONALITIES.

1 For changes in boundaries, etc., see page 601.

2 Less than one-tenth of 1 per cent.



TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

Table with 12 columns representing counties (Morgan, Nicholas, Ohio, Pendleton, Pleasants, Pocahontas, Preston, Putnam, Raleigh, Randolph, Ritchie) and rows detailing population, land area, urban/rural territories, color and nativity, foreign nationalities, and parentage.

1 For changes in boundaries, etc., see page 601.









TABLE II.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR CITIES OF 25,000 OR MORE.

| SUBJECT.                                     | TOTAL, CITIES NAMED. | Hunting-ton. <sup>1</sup> | Wheeling. | SUBJECT.   | TOTAL, CITIES NAMED. | Hunting-ton. <sup>1</sup> | Wheeling. |
|--|----------------------|---------------------------|-----------|--|----------------------|---------------------------|-----------|
| <b>POPULATION</b>                            |                      |                           |           | <b>MALES OF VOTING AGE</b>                           |                      |                           |           |
| Total population, 1910.....                  | 72,802               | 31,161                    | 41,641    | Total number.....                                    | 22,171               | 9,349                     | 12,822    |
| 1900.....                                    | 50,801               | 11,923                    | 38,878    | Number in 1900.....                                  | 14,607               | 5,386                     | 11,122    |
| 1890.....                                    | 44,630               | 10,108                    | 34,522    | Native white—Native parentage.....                   | 13,619               | 7,871                     | 5,748     |
| 1880.....                                    | 33,911               | 3,174                     | 30,737    | Number in 1900.....                                  | 6,910                | 2,667                     | 4,243     |
| 1870.....                                    | 19,280               |                           | 19,280    | Native white—Foreign or mixed parentage.....         | 4,339                | 412                       | 3,927     |
| Increase, 1900-1910.....                     | 22,001               | 19,238                    | 2,763     | Number in 1900.....                                  | 4,106                | 209                       | 3,896     |
| Per cent of increase.....                    | 43.3                 | 161.4                     | 7.1       | Native white—Foreign parentage.....                  | 3,110                | 254                       | 2,856     |
| Increase, 1890-1900.....                     | 6,171                | 1,815                     | 4,356     | Native white—Mixed parentage.....                    | 1,229                | 158                       | 1,071     |
| Per cent of increase.....                    | 13.8                 | 18.0                      | 12.6      | Foreign-born white.....                              | 2,983                | 304                       | 2,679     |
| <b>COLOR AND NATIVITY</b>                    |                      |                           |           | <b>PER CENT OF TOTAL.</b>                            |                      |                           |           |
| White.....                                   | 60,442               | 29,009                    | 40,433    | Native white—Native parentage.....                   | 61.4                 | 84.2                      | 44.8      |
| Number in 1900.....                          | 43,513               | 10,709                    | 32,804    | Native white—Foreign or mixed parentage.....         | 19.6                 | 4.4                       | 30.6      |
| Number in 1890.....                          | 42,417               | 8,876                     | 33,541    | Foreign-born white.....                              | 13.5                 | 3.3                       | 20.9      |
| Negro.....                                   | 3,341                | 2,140                     | 1,201     | Negro.....   | 5.5                  | 8.0                       | 3.6       |
| Number in 1900.....                          | 2,278                | 1,212                     | 1,066     | <b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>            |                      |                           |           |
| Number in 1890.....                          | 2,205                | 1,231                     | 974       | Naturalized.....                                     | 1,588                | 175                       | 1,413     |
| Black.....                                   | 2,029                | 1,489                     | 540       | Having first papers.....                             | 107                  | 12                        | 95        |
| Mulatto.....                                 | 1,312                | 651                       | 661       | Alien.....   | 786                  | 43                        | 743       |
| Indian.....                                  | 1                    | 1                         |           | Unknown.....   | 502                  | 74                        | 428       |
| Chinese.....                                 | 18                   | 11                        | 7         | <b>ILLITERACY</b>                                    |                      |                           |           |
| Native white—Native parentage.....           | 49,696               | 27,311                    | 22,385    | <b>ILLITERATE MALES OF VOTING AGE.</b>               |                      |                           |           |
| Number in 1900.....                          | 28,445               | 9,834                     | 18,611    | Total number illiterate.....                         | 1,034                | 525                       | 509       |
| Native white—Foreign or mixed parentage..... | 13,814               | 1,184                     | 12,630    | Per cent illiterate.....                             | 4.7                  | 5.6                       | 4.0       |
| Number in 1900.....                          | 14,378               | 635                       | 13,743    | Per cent in 1900.....                                | 4.8                  | 7.3                       | 4.1       |
| Native white—Foreign parentage.....          | 8,948                | 598                       | 8,350     | Native white, number illiterate.....                 | 514                  | 393                       | 121       |
| Native white—Mixed parentage.....            | 4,866                | 586                       | 4,280     | Per cent illiterate.....                             | 2.9                  | 4.7                       | 1.3       |
| Foreign-born white.....                      | 5,932                | 514                       | 5,418     | Foreign-born white, number illiterate.....           | 360                  | 11                        | 349       |
| Number in 1900.....                          | 5,690                | 240                       | 5,450     | Per cent illiterate.....                             | 12.1                 | 3.6                       | 13.0      |
| <b>PER CENT OF TOTAL POPULATION.</b>         |                      |                           |           | Negro, number illiterate.....                        | 148                  | 111                       | 37        |
| Native white—Native parentage.....           | 68.3                 | 87.6                      | 53.8      | Per cent illiterate.....                             | 12.2                 | 14.8                      | 8.0       |
| Per cent in 1900.....                        | 56.0                 | 32.5                      | 27.9      | <b>PERSONS 10 YEARS OLD AND OVER.</b>                |                      |                           |           |
| Native white—Foreign or mixed parentage..... | 19.0                 | 3.8                       | 30.3      | Total number.....                                    | 58,932               | 24,712                    | 34,220    |
| Per cent in 1900.....                        | 28.3                 | 5.3                       | 35.3      | Number illiterate.....                               | 2,353                | 1,271                     | 1,082     |
| Foreign-born white.....                      | 8.1                  | 1.6                       | 13.0      | Per cent illiterate.....                             | 4.0                  | 5.1                       | 3.2       |
| Per cent in 1900.....                        | 11.2                 | 2.0                       | 14.0      | Native white, number.....                            | 50,210               | 22,389                    | 27,830    |
| Negro.....                                   | 4.6                  | 6.9                       | 2.9       | Number illiterate.....                               | 1,247                | 997                       | 250       |
| Per cent in 1900.....                        | 4.5                  | 10.2                      | 2.7       | Per cent illiterate.....                             | 2.5                  | 4.5                       | 0.9       |
| <b>SEX</b>                                   |                      |                           |           | Foreign-born white, number.....                      | 5,832                | 502                       | 5,330     |
| Total.. Male.....                            | 36,603               | 16,020                    | 20,583    | Number illiterate.....                               | 758                  | 23                        | 735       |
| Female.....                                  | 36,199               | 15,141                    | 21,058    | Per cent illiterate.....                             | 13.0                 | 4.6                       | 13.8      |
| White.. Male.....                            | 34,824               | 14,857                    | 19,967    | Negro, number.....                                   | 2,802                | 1,809                     | 1,053     |
| Female.....                                  | 34,618               | 14,152                    | 20,466    | Number illiterate.....                               | 335                  | 240                       | 95        |
| Negro.. Male.....                            | 1,761                | 1,162                     | 609       | Per cent illiterate.....                             | 11.7                 | 13.3                      | 9.0       |
| Female.....                                  | 1,580                | 988                       | 592       | <b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>            |                      |                           |           |
| <b>FOREIGN NATIONALITIES</b>                 |                      |                           |           | Total number.....                                    | 15,147               | 6,938                     | 8,209     |
| <b>FOREIGN-BORN WHITE: Born in—</b>          |                      |                           |           | Number illiterate.....                               | 288                  | 196                       | 92        |
| Austria.....                                 | 535                  | 8                         | 527       | Per cent illiterate.....                             | 1.9                  | 2.8                       | 1.1       |
| Belgium.....                                 | 16                   | 9                         | 7         | <b>SCHOOL AGE AND ATTENDANCE</b>                     |                      |                           |           |
| Canada.....                                  | 102                  | 36                        | 66        | Total number 6 to 20 years, inclusive.....           | 20,436               | 9,418                     | 11,018    |
| Denmark.....                                 | 19                   |                           | 18        | Number attending school.....                         | 11,798               | 5,659                     | 6,139     |
| England.....                                 | 528                  | 96                        | 432       | Per cent attending school.....                       | 57.7                 | 60.1                      | 55.7      |
| France.....                                  | 57                   | 4                         | 53        | Number 6 to 9 years.....                             | 5,289                | 2,480                     | 2,809     |
| Germany.....                                 | 2,348                | 112                       | 2,236     | Number attending school.....                         | 4,162                | 1,915                     | 2,247     |
| Greece.....                                  | 154                  | 24                        | 130       | Number 10 to 14 years.....                           | 6,415                | 2,921                     | 3,494     |
| Holland.....                                 | 12                   | 1                         | 11        | Number attending school.....                         | 5,661                | 2,581                     | 3,080     |
| Hungary.....                                 | 177                  | 13                        | 164       | Number 15 to 17 years.....                           | 4,116                | 1,845                     | 2,271     |
| Ireland.....                                 | 598                  | 54                        | 544       | Number attending school.....                         | 1,517                | 860                       | 657       |
| Italy.....                                   | 323                  | 32                        | 291       | Number 18 to 20 years.....                           | 4,616                | 2,172                     | 2,444     |
| Roumania.....                                | 30                   | 5                         | 25        | Number attending school.....                         | 458                  | 303                       | 155       |
| Russia.....                                  | 506                  | 17                        | 489       | <b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>             |                      |                           |           |
| Scotland.....                                | 92                   | 21                        | 71        | Total number.....                                    | 11,704               | 5,401                     | 6,303     |
| Sweden.....                                  | 36                   | 11                        | 25        | Number attending school.....                         | 9,323                | 4,496                     | 5,327     |
| Switzerland.....                             | 65                   | 7                         | 58        | Per cent attending school.....                       | 83.9                 | 83.2                      | 84.5      |
| Turkey in Asia.....                          | 167                  | 37                        | 130       | Native white—Native parentage, number.....           | 9,293                | 4,913                     | 4,380     |
| Turkey in Europe.....                        | 53                   | 3                         | 50        | Number attending school.....                         | 7,806                | 4,098                     | 3,708     |
| Wales.....                                   | 83                   | 11                        | 72        | Per cent attending school.....                       | 84.0                 | 83.4                      | 84.7      |
| Other foreign countries.....                 | 32                   | 13                        | 19        | Native white—Foreign or mixed parentage, number..... | 1,850                | 146                       | 1,704     |
| <b>NATIVE WHITE: Both parents born in—</b>   |                      |                           |           | Number attending school.....                         | 1,552                | 117                       | 1,435     |
| Austria.....                                 | 232                  | 3                         | 229       | Per cent attending school.....                       | 83.9                 | 80.1                      | 84.2      |
| Canada.....                                  | 21                   | 7                         | 14        | Foreign-born white, number.....                      | 137                  | 15                        | 122       |
| Denmark.....                                 | 10                   |                           | 10        | Number attending school.....                         | 105                  | 12                        | 93        |
| England.....                                 | 462                  | 61                        | 401       | Per cent attending school.....                       | 76.6                 |                           | 76.2      |
| France.....                                  | 67                   | 6                         | 61        | Negro, number.....                                   | 424                  | 327                       | 97        |
| Germany.....                                 | 5,182                | 243                       | 4,939     | Number attending school.....                         | 360                  | 209                       | 91        |
| Greece.....                                  | 10                   | 2                         | 8         | Per cent attending school.....                       | 84.9                 | 82.3                      |           |
| Hungary.....                                 | 62                   | 3                         | 59        | <b>DWELLINGS AND FAMILIES</b>                        |                      |                           |           |
| Ireland.....                                 | 1,655                | 123                       | 1,432     | Dwellings, number.....                               | 13,792               | 6,023                     | 7,769     |
| Italy.....                                   | 117                  | 13                        | 104       | Families, number.....                                | 10,384               | 6,541                     | 9,843     |
| Russia.....                                  | 277                  | 7                         | 270       |  |                      |                           |           |
| Scotland.....                                | 79                   | 16                        | 63        |  |                      |                           |           |
| Sweden.....                                  | 27                   | 13                        | 14        |  |                      |                           |           |
| Switzerland.....                             | 84                   | 12                        | 72        |  |                      |                           |           |
| Wales.....                                   | 102                  | 15                        | 87        |  |                      |                           |           |
| All others of foreign parentage.....         | 661                  | 74                        | 587       |  |                      |                           |           |

<sup>1</sup> For changes in boundaries, etc., see page 601.

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

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

| SUBJECT.   | TOTAL, CITIES NAMED. | Blue-field. | Charles-ton. <sup>1</sup> | Martins-burg. <sup>1</sup> | Par-kers-burg. <sup>1</sup> | SUBJECT.                                      | TOTAL, CITIES NAMED. | Blue-field. | Charles-ton. <sup>1</sup> | Martins-burg. <sup>1</sup> | Par-kers-burg. <sup>1</sup> |
|--|----------------------|-------------|---------------------------|----------------------------|-----------------------------|---|----------------------|-------------|---------------------------|----------------------------|-----------------------------|
| <b>COLOR AND NATIVITY</b>                          |                      |             |                           |                            |                             | <b>SEX</b>                                    |                      |             |                           |                            |                             |
| Total population, 1910.....                        | 82,724               | 11,188      | 22,996                    | 10,698                     | 17,842                      | Total... Male.....                            | 31,073               | 5,925       | 11,453                    | 5,171                      | 8,524                       |
| 1900.....  | 35,010               | 4,644       | 11,099                    | 7,564                      | 11,703                      | Female.....                                   | 31,651               | 5,283       | 11,543                    | 5,527                      | 9,318                       |
| Native white—Native parentage.....                 | 49,610               | 8,465       | 17,435                    | 9,050                      | 14,660                      | White... Male.....                            | 27,551               | 4,807       | 9,954                     | 4,885                      | 8,105                       |
| Native white—Foreign or mixed par.....             | 3,947                | 275         | 1,446                     | 476                        | 1,760                       | Female.....                                   | 27,965               | 4,138       | 9,941                     | 5,021                      | 8,865                       |
| Foreign-born white.....                            | 1,959                | 205         | 1,014                     | 180                        | 560                         | Negro... Male.....                            | 3,499                | 1,113       | 1,484                     | 486                        | 416                         |
| Negro.....   | 7,185                | 2,238       | 3,086                     | 992                        | 869                         | Female.....                                   | 3,686                | 1,125       | 1,602                     | 506                        | 453                         |
| Chinese and Japanese.....                          | 23                   | 5           | 15                        |                            | 3                           | <b>MALES OF VOTING AGE</b>                    |                      |             |                           |                            |                             |
| <b>FOREIGN NATIONALITIES</b>                       |                      |             |                           |                            |                             | Total number.....                             | 18,705               | 3,510       | 6,770                     | 2,998                      | 5,427                       |
| <b>FOREIGN-BORN WHITE: Born in—</b>                |                      |             |                           |                            |                             | Native white—Native parentage.....            | 14,198               | 2,580       | 4,885                     | 2,444                      | 4,280                       |
| Austria.....                                       | 41                   | 1           | 35                        |                            | 5                           | Native white—Foreign or mixed par.....        | 1,233                | 79          | 392                       | 171                        | 591                         |
| Canada.....  | 95                   | 11          | 47                        | 6                          | 31                          | Foreign-born white.....                       | 1,030                | 116         | 543                       | 93                         | 278                         |
| England.....                                       | 148                  | 22          | 73                        | 14                         | 39                          | Negro.....                                    | 2,222                | 721         | 936                       | 290                        | 275                         |
| France.....  | 20                   | 1           | 6                         | 3                          | 10                          | <b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>     |                      |             |                           |                            |                             |
| Germany.....                                       | 441                  | 23          | 183                       | 51                         | 184                         | Naturalized.....                              | 498                  | 24          | 242                       | 52                         | 180                         |
| Greece.....  | 61                   | 22          | 16                        | 6                          | 17                          | Having first papers.....                      | 79                   | 18          | 38                        | 6                          | 17                          |
| Hungary.....                                       | 6                    | 2           | 2                         | 1                          | 1                           | Alien.....                                    | 276                  | 44          | 174                       | 10                         | 48                          |
| Ireland.....                                       | 227                  | 7           | 41                        | 38                         | 141                         | Unknown.....                                  | 177                  | 30          | 89                        | 25                         | 33                          |
| Italy.....   | 137                  | 34          | 28                        | 14                         | 61                          | <b>ILLITERACY</b>                             |                      |             |                           |                            |                             |
| Roumania.....                                      | 16                   |             | 16                        |                            |                             | Total number 10 years old and over..          | 50,303               | 8,658       | 18,359                    | 8,552                      | 14,734                      |
| Russia.....  | 468                  | 59          | 361                       | 36                         | 12                          | Number illiterate.....                        | 1,914                | 569         | 770                       | 265                        | 320                         |
| Scotland.....                                      | 59                   | 6           | 30                        | 4                          | 19                          | Native white 10 years old and over.....       | 42,468               | 6,053       | 14,814                    | 7,562                      | 13,430                      |
| Sweden.....  | 13                   | 2           | 5                         |                            | 6                           | Number illiterate.....                        | 966                  | 288         | 356                       | 131                        | 210                         |
| Switzerland.....                                   | 28                   |             | 18                        | 2                          | 8                           | Foreign-born white 10 years old and over..... | 1,911                | 203         | 981                       | 178                        | 549                         |
| Turkey in Asia.....                                | 97                   | 4           | 89                        |                            | 4                           | Number illiterate.....                        | 188                  | 24          | 127                       | 3                          | 34                          |
| Turkey in Europe.....                              | 66                   | 4           | 47                        | 3                          | 12                          | Negro 10 years old and over.....              | 5,901                | 1,797       | 2,549                     | 812                        | 743                         |
| Wales.....   | 14                   | 2           | 9                         |                            | 3                           | Number illiterate.....                        | 749                  | 267         | 275                       | 131                        | 76                          |
| Other foreign countries.....                       | 22                   | 5           | 8                         | 2                          | 7                           | Illiterate males of voting age.....           | 743                  | 224         | 293                       | 110                        | 116                         |
| <b>NATIVE WHITE: Both parents born in—</b>         |                      |             |                           |                            |                             | <b>SCHOOL AGE AND ATTENDANCE</b>              |                      |             |                           |                            |                             |
| Austria.....                                       | 22                   |             | 20                        |                            | 2                           | Total number 6 to 20 years, inclusive..       | 17,439               | 3,251       | 6,590                     | 3,013                      | 4,580                       |
| Canada.....  | 36                   | 12          | 9                         | 1                          | 14                          | Number attending school.....                  | 10,933               | 1,931       | 4,254                     | 1,745                      | 3,003                       |
| England.....                                       | 108                  | 18          | 45                        | 6                          | 39                          | <b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>      |                      |             |                           |                            |                             |
| France.....  | 12                   |             | 9                         | 1                          | 2                           | Total number.....                             | 9,949                | 1,914       | 3,761                     | 1,669                      | 2,605                       |
| Germany.....                                       | 835                  | 23          | 290                       | 129                        | 393                         | Number attending school.....                  | 8,598                | 1,538       | 3,312                     | 1,446                      | 2,297                       |
| Hungary.....                                       | 6                    | 2           | 4                         |                            |                             | Native white—Native parentage.....            | 8,273                | 1,498       | 2,968                     | 1,480                      | 2,318                       |
| Ireland.....                                       | 567                  | 24          | 71                        | 91                         | 381                         | Number attending school.....                  | 7,151                | 1,203       | 2,607                     | 1,295                      | 2,046                       |
| Italy.....   | 43                   | 3           | 9                         | 2                          | 29                          | Native white—Foreign or mixed par.....        | 532                  | 56          | 281                       | 39                         | 156                         |
| Russia.....  | 265                  | 57          | 172                       | 20                         | 16                          | Number attending school.....                  | 494                  | 47          | 204                       | 88                         | 145                         |
| Scotland.....                                      | 50                   | 8           | 23                        |                            | 19                          | Foreign-born white.....                       | 81                   | 9           | 61                        | 2                          | 9                           |
| Sweden.....  | 18                   | 1           | 8                         |                            | 9                           | Number attending school.....                  | 64                   | 6           | 54                        |                            | 4                           |
| Switzerland.....                                   | 11                   | 2           | 4                         |                            | 5                           | Negro.....                                    | 1,063                | 351         | 451                       | 139                        | 122                         |
| Wales.....   | 25                   |             | 19                        |                            | 6                           | Number attending school.....                  | 884                  | 282         | 387                       | 113                        | 102                         |
| All others of foreign parentage <sup>2</sup> ..... | 304                  | 23          | 190                       | 16                         | 69                          | <b>DWELLINGS AND FAMILIES</b>                 |                      |             |                           |                            |                             |
|  |                      |             |                           |                            |                             | Dwellings, number.....                        | 12,627               | 1,920       | 4,475                     | 2,257                      | 3,966                       |
|  |                      |             |                           |                            |                             | Families, number.....                         | 13,679               | 2,161       | 4,892                     | 2,341                      | 4,285                       |

<sup>1</sup> For changes in boundaries, etc., see page 601.

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

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

| SUBJECT.                                      | TOTAL PLACES NAMED. | Ben-wood. | Charles Town. | Chester. <sup>1</sup> | Clarks-burg. | Davis. | Elkins. <sup>1</sup> | Fair-mont. | Grafton. <sup>1</sup> | Hinton. <sup>1</sup> |
|---|---------------------|-----------|---------------|-----------------------|--------------|--------|----------------------|------------|-----------------------|----------------------|
| <b>SEX, COLOR, AND NATIVITY</b>               |                     |           |               |                       |              |        |                      |            |                       |                      |
| Total population, 1910.....                   | 82,716              | 4,978     | 2,662         | 3,184                 | 9,201        | 2,615  | 5,260                | 9,711      | 7,563                 | 3,656                |
| 1900.....                                     | 48,934              | 4,511     | 2,362         | .....                 | 4,050        | 2,391  | 2,016                | 5,655      | 5,650                 | 3,763                |
| Male.....                                     | 48,786              | 2,908     | 1,204         | 1,734                 | 4,750        | 1,491  | 2,734                | 4,881      | 3,822                 | 1,845                |
| Female.....                                   | 48,930              | 1,978     | 1,458         | 1,450                 | 4,451        | 1,124  | 2,526                | 4,830      | 3,741                 | 1,811                |
| Native white—Native parentage.....            | 71,369              | 1,832     | 1,675         | 2,196                 | 7,015        | 1,850  | 4,270                | 7,977      | 6,297                 | 3,175                |
| Native white—Foreign or mixed parentage.....  | 8,694               | 1,207     | 76            | 475                   | 852          | 430    | 451                  | 640        | 697                   | 152                  |
| Foreign-born white.....                       | 7,762               | 1,846     | 28            | 501                   | 481          | 322    | 351                  | 630        | 401                   | 53                   |
| Negro.....                                    | 4,854               | .....     | 883           | 11                    | 847          | 94     | 215                  | 458        | 166                   | 274                  |
| Chinese and Japanese.....                     | 37                  | 1         | .....         | 1                     | 6            | .....  | 2                    | 6          | 2                     | 2                    |
| <b>MALES OF VOTING AGE</b>                    |                     |           |               |                       |              |        |                      |            |                       |                      |
| Total number.....                             | 29,337              | 1,875     | 699           | 1,015                 | 3,089        | 854    | 1,607                | 3,088      | 2,064                 | 1,114                |
| Native white—Native parentage.....            | 20,592              | 472       | 463           | 620                   | 2,286        | 479    | 1,186                | 2,369      | 1,523                 | 941                  |
| Native white—Foreign or mixed parentage.....  | 2,373               | 278       | 22            | 93                    | 275          | 39     | 119                  | 162        | 1,240                 | 55                   |
| Foreign-born white.....                       | 4,552               | 1,124     | 16            | 298                   | 256          | 306    | 229                  | 370        | 242                   | 25                   |
| Naturalized.....                              | 1,180               | 159       | 9             | 64                    | 112          | 44     | 39                   | 127        | 93                    | 12                   |
| Negro.....                                    | 1,788               | .....     | 193           | 3                     | 297          | 30     | 71                   | 163        | 57                    | 91                   |
| <b>ILLITERACY</b>                             |                     |           |               |                       |              |        |                      |            |                       |                      |
| Total number 10 years old and over.....       | 73,362              | 3,866     | 2,195         | 2,434                 | 7,463        | 1,942  | 3,987                | 7,919      | 6,035                 | 2,848                |
| Number illiterate.....                        | 2,962               | 479       | 171           | 167                   | 250          | 28     | 126                  | 183        | 242                   | 85                   |
| Native white 10 years old and over.....       | 61,790              | 2,117     | 1,456         | 1,936                 | 6,282        | 1,440  | 3,502                | 6,908      | 5,500                 | 2,566                |
| Number illiterate.....                        | 934                 | 51        | 13            | 20                    | 71           | 5      | 57                   | 50         | 190                   | 40                   |
| Foreign-born white 10 years old and over..... | 7,464               | 1,748     | 28            | 489                   | 472          | 426    | 318                  | 613        | 391                   | 50                   |
| Number illiterate.....                        | 1,327               | 428       | .....         | 147                   | 79           | 17     | 54                   | 103        | 33                    | 2                    |
| Negro 10 years old and over.....              | 4,071               | .....     | 711           | 8                     | 703          | 76     | 165                  | 392        | 142                   | 230                  |
| Number illiterate.....                        | 694                 | .....     | 158           | .....                 | 98           | 6      | 15                   | 25         | 19                    | 43                   |
| Illiterate males of voting age.....           | 1,579               | 280       | 57            | 108                   | 100          | 7      | 67                   | 108        | 155                   | 32                   |
| <b>SCHOOL AGE AND ATTENDANCE</b>              |                     |           |               |                       |              |        |                      |            |                       |                      |
| Total number 6 to 20 years, inclusive.....    | 25,822              | 1,315     | 794           | 889                   | 2,204        | 785    | 1,494                | 2,580      | 2,327                 | 985                  |
| Number attending school.....                  | 16,026              | 644       | 476           | 580                   | 1,332        | 471    | 987                  | 1,590      | 1,599                 | 678                  |
| <b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>      |                     |           |               |                       |              |        |                      |            |                       |                      |
| Native white, number.....                     | 13,814              | 619       | 278           | 519                   | 1,094        | 433    | 876                  | 1,388      | 1,361                 | 537                  |
| Number attending school.....                  | 11,800              | 499       | 245           | 461                   | 927          | 372    | 772                  | 1,147      | 1,183                 | 498                  |
| Foreign-born white, number.....               | 385                 | 119       | 1             | 23                    | 12           | 19     | 9                    | 26         | 6                     | 3                    |
| Number attending school.....                  | 279                 | 68        | .....         | 20                    | 12           | 6      | 7                    | 16         | 4                     | 3                    |
| Negro, number.....                            | 705                 | .....     | 189           | 1                     | 118          | 14     | 24                   | 51         | 29                    | 43                   |
| Number attending school.....                  | 542                 | .....     | 138           | 1                     | 92           | 12     | 21                   | 36         | 26                    | 35                   |
| <b>DWELLINGS AND FAMILIES</b>                 |                     |           |               |                       |              |        |                      |            |                       |                      |
| Dwellings, number.....                        | 18,336              | 782       | 592           | 663                   | 1,772        | 463    | 1,016                | 1,976      | 1,626                 | 701                  |
| Families, number.....                         | 20,080              | 949       | 609           | 721                   | 2,030        | 484    | 1,110                | 2,197      | 1,696                 | 797                  |

| SUBJECT.                                      | Keyser. | Mo-Meohen. | Mar-nington. | Morgan-town. <sup>1</sup> | Mounds-ville. | Prince-<br>ton. <sup>1</sup> | Rich-wood. <sup>1</sup> | Sisters-<br>ville. | Wells-burg. <sup>1</sup> | William-<br>son. <sup>1</sup> |
|---|---------|------------|--------------|---------------------------|---------------|------------------------------|-------------------------|--------------------|--------------------------|-------------------------------|
| <b>SEX, COLOR, AND NATIVITY</b>               |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Total population, 1910.....                   | 3,705   | 2,921      | 2,672        | 8,150                     | 8,918         | 3,027                        | 3,061                   | 2,684              | 4,189                    | 3,561                         |
| 1900.....                                     | 2,536   | 1,465      | 1,681        | 1,895                     | 5,362         | .....                        | .....                   | 2,979              | 2,588                    | .....                         |
| Male.....                                     | 1,868   | 1,519      | 1,369        | 4,685                     | 4,903         | 1,665                        | 1,793                   | 1,300              | 2,098                    | 2,127                         |
| Female.....                                   | 1,837   | 1,402      | 1,303        | 4,465                     | 4,015         | 1,362                        | 1,268                   | 1,384              | 2,091                    | 1,434                         |
| Native white—Native parentage.....            | 3,277   | 2,316      | 2,209        | 6,722                     | 7,354         | 2,520                        | 2,373                   | 2,206              | 3,340                    | 2,765                         |
| Native white—Foreign or mixed parentage.....  | 254     | 391        | 256          | 1,091                     | 703           | 64                           | 219                     | 269                | 494                      | 103                           |
| Foreign-born white.....                       | 190     | 213        | 163          | 1,113                     | 316           | 54                           | 446                     | 135                | 262                      | 227                           |
| Negro.....                                    | 64      | 1          | 42           | 214                       | 544           | 389                          | 21                      | 73                 | 92                       | 466                           |
| Chinese and Japanese.....                     | .....   | .....      | 2            | 10                        | 1             | .....                        | 2                       | 1                  | 1                        | .....                         |
| <b>MALES OF VOTING AGE</b>                    |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Total number.....                             | 1,080   | 835        | 807          | 2,805                     | 3,113         | 976                          | 1,035                   | 766                | 1,245                    | 1,290                         |
| Native white—Native parentage.....            | 929     | 602        | 610          | 1,965                     | 2,257         | 802                          | 701                     | 587                | 921                      | 879                           |
| Native white—Foreign or mixed parentage.....  | 76      | 128        | 81           | 210                       | 241           | 21                           | 40                      | 82                 | 172                      | 39                            |
| Foreign-born white.....                       | 56      | 105        | 99           | 567                       | 193           | 37                           | 287                     | 73                 | 122                      | 147                           |
| Naturalized.....                              | 20      | 35         | 37           | 196                       | 62            | 10                           | 31                      | 59                 | 55                       | 16                            |
| Negro.....                                    | 19      | .....      | 15           | 65                        | 421           | 116                          | 5                       | 23                 | 29                       | 225                           |
| <b>ILLITERACY</b>                             |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Total number 10 years old and over.....       | 2,888   | 2,212      | 2,081        | 7,199                     | 7,314         | 2,277                        | 2,323                   | 2,137              | 3,416                    | 2,828                         |
| Number illiterate.....                        | 66      | 45         | 38           | 137                       | 224           | 123                          | 127                     | 40                 | 67                       | 364                           |
| Native white 10 years old and over.....       | 2,710   | 2,009      | 1,892        | 5,952                     | 6,488         | 1,923                        | 1,888                   | 1,942              | 3,087                    | 2,192                         |
| Number illiterate.....                        | 26      | 28         | 28           | 31                        | 112           | 24                           | 31                      | 30                 | 15                       | 112                           |
| Foreign-born white 10 years old and over..... | 122     | 202        | 155          | 1,075                     | 302           | 53                           | 420                     | 132                | 247                      | 221                           |
| Number illiterate.....                        | 32      | 17         | 9            | 98                        | 22            | 5                            | 94                      | 3                  | 47                       | 137                           |
| Negro 10 years old and over.....              | 50      | 1          | 32           | 162                       | 523           | 301                          | 13                      | 62                 | 81                       | 413                           |
| Number illiterate.....                        | 8       | .....      | 1            | 8                         | 90            | 94                           | 2                       | 7                  | 5                        | 115                           |
| Illiterate males of voting age.....           | 30      | 25         | 10           | 72                        | 159           | 52                           | 82                      | 12                 | 28                       | 195                           |
| <b>SCHOOL AGE AND ATTENDANCE</b>              |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Total number 6 to 20 years, inclusive.....    | 1,022   | 908        | 729          | 2,530                     | 2,549         | 846                          | 880                     | 791                | 1,160                    | 1,034                         |
| Number attending school.....                  | 691     | 628        | 533          | 1,579                     | 1,409         | 542                          | 508                     | 595                | 723                      | 463                           |
| <b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>      |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Native white, number.....                     | 588     | 552        | 464          | 1,350                     | 1,322         | 422                          | 440                     | 497                | 621                      | 455                           |
| Number attending school.....                  | 519     | 516        | 426          | 1,115                     | 1,086         | 359                          | 400                     | 466                | 539                      | 330                           |
| Foreign-born white, number.....               | 8       | 14         | 6            | 71                        | 10            | .....                        | 22                      | 5                  | 27                       | 4                             |
| Number attending school.....                  | 5       | 13         | 6            | 62                        | 10            | .....                        | 17                      | 5                  | 23                       | 1                             |
| Negro, number.....                            | 10      | .....      | 10           | 49                        | 21            | .....                        | 82                      | 2                  | 11                       | 38                            |
| Number attending school.....                  | 7       | .....      | 10           | 41                        | 19            | .....                        | 57                      | 11                 | 10                       | 26                            |
| <b>DWELLINGS AND FAMILIES</b>                 |         |            |              |                           |               |                              |                         |                    |                          |                               |
| Dwellings, number.....                        | 805     | 531        | 598          | 1,792                     | 1,678         | 519                          | 569                     | 643                | 943                      | 667                           |
| Families, number.....                         | 826     | 644        | 644          | 2,061                     | 1,776         | 572                          | 575                     | 671                | 1,018                    | 706                           |

<sup>1</sup> For changes in boundaries, etc., see page 601.

## NOTES REGARDING CHANGES IN BOUNDARIES, ETC.

## COUNTIES.

FAYETTE.—Part taken to form part of Summers in 1871.  
 GREENBRIER.—Part taken to form part of Summers in 1871.  
 HAMPSHIRE.—Part of Mineral annexed in 1872.  
 LOGAN.—Part taken to form Mingo in 1895.  
 MERCER.—Part taken to form part of Summers in 1871.  
 MINERAL.—Part annexed to Hampshire in 1872.  
 MINGO.—Organized from part of Logan in 1895.  
 MONROE.—Part taken to form part of Summers in 1871.  
 RALEIGH.—Part of Wyoming annexed in 1872.  
 SUMMERS.—Organized from parts of Fayette, Greenbrier, Mercer, and Monroe in 1871.  
 WYOMING.—Part annexed to Raleigh in 1872.

## INCORPORATED PLACES.

CHARLESTON.—Part of Charleston district annexed in 1907.  
 CHESTER.—Incorporated in 1907.  
 ELKINS.—Part of Leadville district (South Elkins town) annexed in 1901.  
 GRAFTON.—Part of Fetterman district (Fetterman town) annexed in 1903.  
 HINTON.—Part (old wards 4 and 5) taken to form Avis town in 1901.  
 HUNTINGTON.—Part of Guyandotte district (Central City town) annexed in 1909.  
 MARTINSBURG.—Parts of Arden and Opequon districts annexed in 1909.  
 MORGANTOWN.—Part of Morgan district (Greenmont, Seneca, and South Morgantown towns) annexed in 1901.  
 PARKERSBURG.—Part of Parkersburg district annexed in 1903.  
 PRINCETON.—Incorporated in 1909.  
 RICHWOOD.—Incorporated in 1901.  
 WELLSBURG.—Part of Cross Creek district annexed in 1903.  
 WILLIAMSON.—Incorporated in 1905.

## CHAPTER 3.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





FARMS AND FARM PROPERTY.

West Virginia ranks fortieth in land area and twenty-eighth in population among the states and territories of continental United States.

Within the eastern counties of West Virginia are to be found several broad limestone valleys whose soils constitute the most fertile agricultural lands of the state. From the northeast corner of the state extending south and southwest to the Big Sandy River is a belt of mountains, interspersed with narrow valleys. The mountain soils are better adapted to forestry than agriculture. Clay soil is found in limited areas in the higher portions of this region, while the "stream and upland alluviums" are found on the gentler slopes and in the valleys. The sandy soil which prevails in the extreme northeastern part is the least productive of the soils of this belt. West of the mountains is a large area of broad flat hills better fitted for grazing than for cultivation, but among the hills are many streams that enrich a naturally fertile soil. The remainder of the state has a gently rolling surface extending to the Ohio River. The soil is rich, consisting of clay and sand loams, mingled with humus and vegetable matter and enriched by disintegrated limestone.

The two maps on the opposite page show, for the different counties, the proportion of the total land area which is in farms and the average value of farm land per acre. Almost two-thirds of the state's entire land area is in farms, and the first map shows that most of the counties in the northern half of the state have three-fifths or more of their land in farms, 5 counties being in the "90 to 95 per cent" class and four in the "95 to 100 per cent" class. Much of the southern half of the state has less than three-fifths of its land in farms, and a large group of counties falls in the "20 to 40 per cent" class. The average value per acre of farm land for the whole state is \$20.65, and the second map shows that all but 17 counties fall in the "\$10 to \$25 per acre" class. Small groups of counties along the northern and southern boundaries of the state are in the "\$25 to \$50 per acre" class, and in 2 counties the value of land averages more than \$50 per acre.

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

| NUMBER, AREA, AND VALUE OF FARMS.               | 1910<br>(April 15) | 1900<br>(June 1) | INCREASE. <sup>1</sup> |           |
|---|--------------------|------------------|------------------------|-----------|
|   |                    |                  | Amount.                | Per cent. |
| Population.....                                 | 1, 221, 119        | 958, 800         | 262, 319               | 27. 4     |
| Number of all farms.....                        | 96, 685            | 92, 874          | 3, 811                 | 4. 1      |
| Approximate land area of the state..... acres.. | 15, 374, 080       | 15, 374, 080     |                        |           |
| Land in farms..... acres..                      | 10, 026, 442       | 10, 654, 513     | -628, 071              | -5. 9     |
| Improved land in farms..... acres..             | 5, 521, 757        | 5, 498, 981      | 22, 776                | 0. 4      |
| Average acres per farm.....                     | 103. 7             | 114. 7           | -11. 0                 | -9. 6     |
| Value of farm property:                         |                    |                  |                        |           |
| Total.....                                      | \$314, 738, 540    | \$203, 907, 349  | \$110, 831, 191        | 54. 4     |
| Land.....                                       | 207, 075, 759      | 134, 269, 110    | 72, 806, 649           | 54. 2     |
| Buildings.....                                  | 57, 315, 195       | 34, 026, 560     | 23, 288, 635           | 68. 4     |
| Implements and machinery.....                   | 7, 011, 513        | 5, 040, 420      | 1, 971, 093            | 39. 1     |
| Domestic animals, poultry, and bees.....        | 43, 336, 073       | 30, 571, 259     | 12, 764, 814           | 41. 8     |
| Average value of all property per farm.....     | \$3, 255           | \$2, 196         | \$1, 059               | 48. 2     |
| Average value of land per acre.....             | \$20. 65           | \$12. 60         | \$8. 05                | 63. 9     |

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

Between 1900 and 1910 there was an increase of 262,319, or 27.4 per cent, in the population of the state, but an increase of only 3,811, or 4.1 per cent, in the number of farms, while the land in farms decreased 628,071, or 5.9 per cent, and the improved land in farms increased 22,776 acres, or only 0.4 per cent. As a result of the decrease in farm acreage and of the increase in the number of farms, the average size of farms decreased from 114.7 to 103.7 acres, or 9.6 per cent.

Farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), shows an increase in value during the decade of \$110,831,000, or 54.4 per cent.

This great increase is chiefly made up of increases of \$72,807,000 in the value of land and of \$23,289,000 in the value of buildings, the former representing a rise of \$8.05, or 63.9 per cent, in average value per acre. There was an increase of \$14,736,000 in the value of farm equipment, which includes implements and machinery and live stock, of which almost seven-eighths represents the gain in the value of live stock, and the remainder the increase in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of all commodities in the last 10 years should be borne in mind.

The average value of a farm with its equipment in 1900 was \$2,196, while in 1910 it was \$3,255. The average value of land rose from \$12.60 per acre in 1900 to \$20.65 in 1910, this advance being accompanied by increases in the average value per farm of implements and machinery and of live stock.

Population, number of farms, and farm acreage: 1870 to 1910.—The table following presents, for the state as a whole for each census from 1870 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

| CENSUS YEAR.          | Population. | FARMS.   |                        | LAND IN FARMS. |                                     |                        | Per cent of land area in farms. | Per cent of farm land improved. |
|-----------------------|-------------|----------|------------------------|----------------|-------------------------------------|------------------------|---------------------------------|---------------------------------|
|                       |             | Num-ber. | Per cent of in-crease. | All land.      |                                     | Improved land (acres). |                                 |                                 |
|                       |             |          |                        | Acres.         | Per cent of in-crease. <sup>1</sup> |                        |                                 |                                 |
| 1910....              | 1,221,119   | 96,685   | 4.1                    | 10,026,442     | -5.9                                | 5,521,757              | 65.2                            | 55.1                            |
| 1900....              | 958,800     | 92,874   | 27.6                   | 10,654,513     | 3.2                                 | 5,498,981              | 69.3                            | 51.6                            |
| 1890....              | 762,794     | 72,773   | 16.1                   | 10,321,326     | 1.3                                 | 4,554,000              | 67.1                            | 44.1                            |
| 1880....              | 618,457     | 62,674   | 57.6                   | 10,193,779     | 19.5                                | 3,792,327              | 66.3                            | 37.2                            |
| 1870 <sup>2</sup> ... | 442,014     | 36,778   | .....                  | 8,528,394      | .....                               | 2,580,254              | 55.5                            | 30.3                            |

<sup>1</sup> A minus sign (—) denotes decrease.  
<sup>2</sup> West Virginia, included in Virginia prior to 1870, set off in 1862.

In the 40 years since 1870, for which there are reports for West Virginia as a separate state, the population of the state has increased 779,105 and is now almost three times as great as in 1870.

There are 96,685 farms in West Virginia, or nearly two and one-half times as many as in 1870. This increase was most rapid from 1870 to 1880, averaging 2,290 per year, as compared with 1,134 since 1880, during which time the increase has been continuous. Of the 55 counties of the state, 20 showed a decrease in number of farms during the past decade. Of the 20 counties showing a decrease, 5 were in the southern part of the state and 15 were in the northern part.

The land surface of West Virginia is approximately 15,374,080 acres. Of this area, 10,026,442 acres, or 65.2 per cent, are included in farms, while 5,521,757 acres, or 55.1 per cent of the total farm acreage, are reported as improved land, representing 35.9 per cent of the total land area of the state. As the total acreage of farm land decreased 5.9 per cent during the last decade and the reported acreage of improved land slightly increased, the percentage of farm land which is improved rose considerably.

The table given above shows also that a large increase, both in the total and in the improved farm acreage, took place between 1870 and 1880. Thereafter the total farm acreage increased slowly down to 1900 and decreased in the next 10 years; but the acreage of improved farm land continued to increase rapidly down to 1900 and increased slightly from 1900

to 1910. The proportion of the total land area of the state which was occupied by farms increased from 55.5 per cent in 1870 to 69.3 per cent in 1900 and then fell off to 65.2 per cent; the proportion of the total farm land improved increased continuously from 30.3 per cent in 1870 to 55.1 per cent in 1910.

Values of farm property: 1870 to 1910.—The agricultural changes in West Virginia since 1870, as reflected in the values of the several classes of farm property, are shown in the table which follows:

| CENSUS YEAR.              | FARM PROPERTY. |                       |                     |                       |                           |                       |                                      |                       |
|---------------------------|----------------|-----------------------|---------------------|-----------------------|---------------------------|-----------------------|--------------------------------------|-----------------------|
|                           | Total.         |                       | Land and buildings. |                       | Implements and machinery. |                       | Domestic animals, poultry, and bees. |                       |
|                           | Value.         | Per cent of increase. | Value.              | Per cent of increase. | Value.                    | Per cent of increase. | Value.                               | Per cent of increase. |
| 1910.....                 | \$314,738,540  | 54.4                  | \$204,390,954       | 57.1                  | \$7,011,518               | 39.1                  | \$43,336,073                         | 41.5                  |
| 1900.....                 | 203,907,349    | 13.9                  | 168,295,070         | 10.8                  | 5,040,420                 | 61.7                  | 30,571,259                           | 27.6                  |
| 1890.....                 | 178,961,330    | 16.5                  | 151,890,300         | 14.1                  | 3,116,420                 | 15.5                  | 23,964,610                           | 35.1                  |
| 1880.....                 | 153,538,725    | 53.8                  | 133,147,175         | 63.8                  | 2,699,163                 | 59.7                  | 17,742,387                           | 29.1                  |
| 1870 <sup>1,2</sup> ..... | 96,714,190     | .....                 | 81,283,505          | .....                 | 1,690,349                 | .....                 | 15,740,830                           | .....                 |

<sup>1</sup> Computed gold values, being 80 per cent of the currency values reported.  
<sup>2</sup> West Virginia, included in Virginia prior to 1870, set off in 1862.

The total wealth in the form of farm property is \$314,739,000, of which 84 per cent is represented by land and buildings, 2.2 per cent by implements and machinery, and 13.8 per cent by live stock. The total value of farm property increased between 1900 and 1910 by \$110,831,000, or 54.4 per cent. This was a greater absolute increase than that of the preceding 30 years, and a greater relative increase than during the preceding 20 years. Of the total increase during the past decade, \$96,095,000 represents the increase in the value of land and buildings, \$1,971,000 the increase in that of implements and machinery, and \$12,765,000 the increase in that of live stock.

Average acreage and values per farm: 1870 to 1910.—The changes which have taken place during the past 40 years in the average acreage of West Virginia farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings; are shown in the following table:

| CENSUS YEAR.            | Average acres per farm. | AVERAGE VALUE PER FARM. <sup>1</sup> |                     |                           |                                      | Average value of land and buildings per acre. |
|-------------------------|-------------------------|--------------------------------------|---------------------|---------------------------|--------------------------------------|---|
|                         |                         | All farm property.                   | Land and buildings. | Implements and machinery. | Domestic animals, poultry, and bees. |   |
| 1910.....               | 103.7                   | \$3,255                              | \$2,735             | \$73                      | \$448                                | \$20.37                                       |
| 1900.....               | 114.7                   | 2,196                                | 1,812               | 54                        | 329                                  | 15.20   |
| 1890.....               | 141.8                   | 2,459                                | 2,087               | 43                        | 329                                  | 14.72   |
| 1880.....               | 162.6                   | 2,451                                | 2,124               | 43                        | 285                                  | 13.66   |
| 1870 <sup>2</sup> ..... | 214.4                   | 2,431                                | 2,043               | 42                        | 345                                  | 9.82  |

<sup>1</sup> Averages are based on "all farms" in state.  
<sup>2</sup> Computed gold values, being 80 per cent of the currency values reported.  
<sup>3</sup> West Virginia, included in Virginia prior to 1870, set off in 1862.

In average size the West Virginia farm decreased continuously from 214.4 acres in 1870 to 103.7 acres in 1910, or 2.8 acres a year.

The average value of a West Virginia farm, including its equipment, has advanced during the last decade from \$2,196 to \$3,255; of this latter sum, \$2,735 represents the value of land and buildings, \$448 the value of live stock, and \$73 the value of implements and machinery. During the last decade the average value of land and buildings has increased \$10.57 per acre, and is now about one and two-thirds times as great as in 1900. It has increased continuously since 1870. The value per farm of equipment, which includes implements and machinery and live stock, decreased from 1870 to 1880, then increased slowly for the next 20 years, and increased very materially in the last 10 years. It is now over one-third greater than in 1900 and over one-half greater than in 1880.

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

| TENURE.   | 1910          | 1900          | 1890             | 1880             |
|---|---------------|---------------|------------------|------------------|
| Number of all farms.....                          | 96,685        | 92,874        | 72,773           | 62,674           |
| <b>Farms operated by owners and managers.....</b> | <b>76,850</b> | <b>72,583</b> | <b>59,858</b>    | <b>50,673</b>    |
| Farms consisting of owned land only.....          | 68,318        | 66,909        | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Farms consisting of owned and hired land.....     | 7,660         | 4,620         | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Farms operated by managers.....                   | 872           | 1,054         | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| <b>Farms operated by tenants.....</b>             | <b>19,835</b> | <b>20,291</b> | <b>12,915</b>    | <b>12,001</b>    |
| Share tenants.....                                | 9,576         | 12,765        | 8,640            | 7,709            |
| Share-cash tenants.....                           | 923           |               |                  |                  |
| Cash tenants.....                                 | 8,560         | 7,526         | 4,275            | 4,292            |
| Tenure not specified.....                         | 776           |               |                  |                  |
| <b>Per cent of farms operated by—</b>             |               |               |                  |                  |
| Owners and managers.....                          | 79.5          | 78.2          | 82.3             | 80.9             |
| Tenants.....                                      | 20.5          | 21.8          | 17.7             | 19.1             |
| Share and share-cash.....                         | 10.9          | 13.7          | 11.9             | 12.3             |
| Cash and nonspecified.....                        | 9.7           | 8.1           | 5.9              | 6.8              |

<sup>1</sup> Not reported separately.  
<sup>2</sup> Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.  
<sup>3</sup> Prior to 1910 nonspecified tenants were included with cash tenants.

There was an increase of 3,811 in the total number of farms during the last decade, the number of farms operated by owners and managers increasing by 4,267, while the number of those operated by tenants decreased 456.

In 1880, 19 out of every 100 West Virginia farms were operated by tenants. This proportion fluctuated during the following decades, until in 1910 about 21 out of every 100 farms were thus operated. Of these 21 tenant farms, 10 are operated by cash tenants and 11 by share tenants. As used in this discussion, "cash tenants" include "nonspecified" and "share tenants" include "share-cash."

During the 30-year period the proportion of cash tenancy has shown a net increase, while share tenancy has shown a net decrease. The number of farms operated under cash tenancy decreased slightly between 1880 and 1890, then increased rapidly during the last two decades. Share tenants' farms, however, increased considerably in number between 1880 and 1900, but decreased during the last decade. In 1880 there were almost twice as many share tenants as cash, but in 1910 the latter were nearly as numerous as the former.

The following table shows, for white and colored farmers combined and for each class separately, the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

| FARMS OPERATED BY—      | ALL LAND IN FARMS (ACRES). |                   | IMPROVED LAND IN FARMS (ACRES). |                  | VALUE OF LAND AND BUILDINGS. |                      |
|-------------------------|----------------------------|-------------------|---------------------------------|------------------|------------------------------|----------------------|
|                         | 1910                       | 1900              | 1910                            | 1900             | 1910                         | 1900                 |
| <b>All farmers.....</b> | <b>10,026,442</b>          | <b>10,654,513</b> | <b>5,521,757</b>                | <b>5,493,981</b> | <b>\$284,390,954</b>         | <b>\$188,295,670</b> |
| Owners.....             | 8,184,195                  | 8,529,402         | 4,609,103                       | 4,527,846        | 207,994,468                  | 134,744,870          |
| Managers.....           | 284,502                    | 358,994           | 133,834                         | 119,632          | 9,135,065                    | 5,625,850            |
| Tenants.....            | 1,557,745                  | 1,766,117         | 781,820                         | 851,803          | 47,260,821                   | 27,924,950           |
| <b>White.....</b>       | <b>9,991,901</b>           | <b>10,612,929</b> | <b>5,501,500</b>                | <b>5,475,915</b> | <b>283,314,560</b>           | <b>187,607,810</b>   |
| Owners.....             | 8,158,238                  | 8,503,605         | 4,591,581                       | 4,513,035        | 207,250,207                  | 134,361,490          |
| Managers.....           | 283,847                    | 357,465           | 133,232                         | 118,484          | 9,089,970                    | 5,664,480            |
| Tenants.....            | 1,549,816                  | 1,751,859         | 776,687                         | 844,396          | 46,938,383                   | 27,681,870           |
| <b>Colored.....</b>     | <b>34,541</b>              | <b>41,584</b>     | <b>20,257</b>                   | <b>23,066</b>    | <b>1,076,394</b>             | <b>687,860</b>       |
| Owners.....             | 25,957                     | 25,797            | 14,522                          | 14,511           | 738,261                      | 383,380              |
| Managers.....           | 655                        | 1,529             | 602                             | 1,148            | 35,695                       | 61,400               |
| Tenants.....            | 7,929                      | 14,258            | 5,133                           | 7,407            | 302,438                      | 243,080              |

The following table shows, for white and colored farmers combined and for each class separately, the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

| FARMS OPERATED BY—      | PER CENT OF TOTAL. |              |                    |              |                         |              |                              |              |
|-------------------------|--------------------|--------------|--------------------|--------------|-------------------------|--------------|------------------------------|--------------|
|                         | Number of farms.   |              | All land in farms. |              | Improved land in farms. |              | Value of land and buildings. |              |
|                         | 1910               | 1900         | 1910               | 1900         | 1910                    | 1900         | 1910                         | 1900         |
| <b>All farmers.....</b> | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>            | <b>100.0</b> | <b>100.0</b>                 | <b>100.0</b> |
| Owners.....             | 78.6               | 77.0         | 81.6               | 80.1         | 83.4                    | 82.3         | 78.7                         | 80.1         |
| Managers.....           | 0.9                | 1.1          | 2.8                | 3.4          | 2.4                     | 2.2          | 3.5                          | 3.3          |
| Tenants.....            | 20.5               | 21.8         | 15.5               | 16.6         | 14.2                    | 15.5         | 17.9                         | 16.6         |
| <b>White.....</b>       | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>            | <b>100.0</b> | <b>100.0</b>                 | <b>100.0</b> |
| Owners.....             | 78.6               | 77.1         | 81.6               | 80.1         | 83.5                    | 82.4         | 78.7                         | 80.2         |
| Managers.....           | 0.9                | 1.1          | 2.8                | 3.4          | 2.4                     | 2.2          | 3.5                          | 3.3          |
| Tenants.....            | 20.5               | 21.8         | 15.5               | 16.5         | 14.1                    | 15.4         | 17.8                         | 16.5         |
| <b>Colored.....</b>     | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>            | <b>100.0</b> | <b>100.0</b>                 | <b>100.0</b> |
| Owners.....             | 78.8               | 72.0         | 75.1               | 62.0         | 71.7                    | 62.9         | 58.6                         | 55.7         |
| Managers.....           | 1.0                | 1.1          | 1.9                | 3.7          | 3.0                     | 5.0          | 3.3                          | 8.9          |
| Tenants.....            | 20.2               | 27.0         | 23.0               | 34.3         | 25.3                    | 32.1         | 38.1                         | 35.3         |

It will be seen that, in 1910, 81.6 per cent of all land in farms was in farms operated by their owners (including part owners), 2.8 per cent in farms operated by managers, and 15.5 per cent in farms operated by tenants, the percentage for managers and for tenants being lower and that for owners higher than in 1900.

Of all land in farms operated by white farmers, 81.6 per cent was in farms operated by their owners and 15.5 per cent in tenant farms, while of that in farms operated by colored farmers, 75.1 per cent was in farms operated by owners, and 23 per cent in tenant farms. The proportion of land in farms operated by owners increased between 1900 and 1910 among each class of farmers, the increase being most pronounced among colored farmers.

As shown by the next table, the average size of farms operated by managers in 1910 (326.3 acres) was about three times as great as that of farms operated by owners (107.7 acres), which in turn was larger than that of farms operated by tenants (78.5 acres). The average size of each class of farms decreased

between 1900 and 1910. In 1910 the percentage of farm land improved was highest for farms operated by owners, and lowest for those operated by managers.

The average size of farms operated by white farmers in 1910 (104.1 acres) was more than twice as large as that of farms of colored farmers (48.8 acres); both classes of farms decreased in size between 1900 and 1910. The proportion of land improved was larger for farms of colored farmers than for those of white farmers, being, respectively, 58.6 and 55.1 per cent of the total acreage in each class of farms.

| FARMS OPERATED BY—   | AVERAGE ACRES PER FARM. |       |                |       | PER CENT OF FARM LAND IMPROVED. |      | AVERAGE VALUE OF LAND AND BUILDINGS. |         |           |         |
|----------------------|-------------------------|-------|----------------|-------|---------------------------------|------|--------------------------------------|---------|-----------|---------|
|                      | All land.               |       | Improved land. |       | 1910                            | 1900 | Per farm.                            |         | Per acre. |         |
|                      | 1910                    | 1900  | 1910           | 1900  |                                 |      | 1910                                 | 1900    | 1910      | 1900    |
| <b>All farmers..</b> | 103.7                   | 114.7 | 57.1           | 59.2  | 55.1                            | 51.6 | \$2,735                              | \$1,812 | \$26.37   | \$15.80 |
| Owners.....          | 107.7                   | 119.2 | 60.6           | 63.3  | 56.3                            | 53.1 | 2,738                                | 1,834   | 25.41     | 15.80   |
| Managers.....        | 328.3                   | 340.6 | 153.5          | 113.5 | 47.0                            | 33.3 | 10,477                               | 5,338   | 32.11     | 15.67   |
| Tenants.....         | 78.5                    | 87.0  | 39.4           | 42.0  | 50.2                            | 48.2 | 2,383                                | 1,376   | 30.34     | 15.81   |
| <b>White.....</b>    | 104.1                   | 115.2 | 57.3           | 59.4  | 55.1                            | 51.6 | 2,744                                | 1,819   | 26.35     | 15.79   |
| Owners.....          | 107.7                   | 119.2 | 60.6           | 63.3  | 56.3                            | 53.1 | 2,738                                | 1,834   | 25.41     | 15.80   |
| Managers.....        | 328.3                   | 341.7 | 154.0          | 113.3 | 46.9                            | 33.1 | 10,520                               | 5,320   | 32.06     | 15.67   |
| Tenants.....         | 78.7                    | 87.2  | 39.4           | 42.0  | 50.1                            | 48.2 | 2,385                                | 1,378   | 30.30     | 15.80   |
| <b>Colored.....</b>  | 48.8                    | 56.0  | 28.6           | 31.1  | 58.6                            | 55.5 | 1,520                                | 927     | 31.16     | 16.54   |
| Owners.....          | 46.5                    | 48.3  | 26.0           | 27.2  | 55.9                            | 50.3 | 1,323                                | 718     | 28.44     | 14.36   |
| Managers.....        | 93.6                    | 191.1 | 86.0           | 143.5 | 91.9                            | 75.1 | 5,099                                | 7,675   | 54.60     | 40.16   |
| Tenants.....         | 55.4                    | 71.3  | 35.9           | 37.0  | 64.7                            | 51.9 | 2,115                                | 1,215   | 38.14     | 17.05   |

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

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

| CLASS.                  | OWNED FARMS. <sup>1</sup> |                        | OWNED FARM HOMES. |                        | OWNED FARM HOMES. <sup>2</sup> |           |
|-------------------------|---------------------------|------------------------|-------------------|------------------------|--------------------------------|-----------|
|                         | 1910                      |                        | 1900              |                        | 1890                           |           |
|                         | Number.                   | Per cent. <sup>3</sup> | Number.           | Per cent. <sup>3</sup> | Number.                        | Per cent. |
| <b>Total.....</b>       | 75,978                    |                        | 70,949            |                        | 56,035                         |           |
| Free from mortgage..... | 66,093                    | 87.4                   | 58,633            | 85.9                   | 48,703                         | 87.0      |
| Mortgaged.....          | 9,525                     | 12.6                   | 9,645             | 14.1                   | 7,272                          | 13.0      |
| Unknown.....            | 300                       |                        | 2,671             |                        |                                |           |

<sup>1</sup> Includes all farms owned in whole or in part by the operator.

<sup>2</sup> The 1,037 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.

<sup>3</sup> Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 75,978. Of this number,

66,093 were reported as free from mortgage, 9,525 were reported as mortgaged, and for 360 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 12.6 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is only slightly smaller than it was in 1900, which in turn was slightly greater than in 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1910 the number of farms free from mortgage increased considerably, while the number of mortgaged farms decreased slightly from 1900 to 1910.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 9,525 farms reported as mortgaged, 8,364 are wholly owned by the farmers, and for 7,878 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included under 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

|                                | OWNED FARMS OR FARM HOMES MORTGAGED. |                   | INCREASE. |           |
|--------------------------------|--------------------------------------|-------------------|-----------|-----------|
|                                | 1910 <sup>1</sup>                    | 1890 <sup>2</sup> | Amount.   | Per cent. |
| Number.....                    | 7,878                                | 7,272             |           |           |
| Value—Land and buildings.....  | \$21,549,125                         | \$14,976,792      |           |           |
| Amount of mortgage debt.....   | \$5,692,533                          | \$4,825,337       |           |           |
| Per cent of debt to value..... | 26.0                                 | 32.2              |           |           |
| Average value per farm.....    | \$2,735                              | \$2,060           | \$675     | 32.8      |
| Average debt per farm.....     | \$710                                | \$664             | \$46      | 6.9       |
| Average equity per farm.....   | \$2,025                              | \$1,396           | \$629     | 45.1      |

<sup>1</sup> Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.

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

The average debt of mortgaged farms increased in the 20 years from \$664 to \$710, or 6.9 per cent, while the average value of such farms rose from \$2,060 to \$2,735, or 32.8 per cent. Thus the owner's equity increased from \$1,396 to \$2,025, or 45.1 per cent. As a result of the greater increase in farm value than in farm debt, the mortgage indebtedness, which was 12.6

per cent of the value of the mortgaged farms in 1890, had decreased to 26 per cent of the value in 1910.

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

| SIZE GROUP.               | NUMBER OF FARMS. |               | INCREASE. <sup>1</sup> |             | PER CENT OF TOTAL. |              |
|---------------------------|------------------|---------------|------------------------|-------------|--------------------|--------------|
|                           | 1910             | 1900          | Number.                | Per cent.   | 1910               | 1900         |
|                           |                  |               |                        |             | 1910               | 1900         |
| <b>All farmers.....</b>   | <b>96,685</b>    | <b>92,874</b> | <b>3,811</b>           | <b>4.1</b>  | <b>100.0</b>       | <b>100.0</b> |
| Under 3 acres.....        | 117              | 599           | -482                   | -80.5       | 0.1                | 0.6          |
| 3 to 9 acres.....         | 7,419            | 5,342         | 2,077                  | 38.9        | 7.7                | 5.8          |
| 10 to 19 acres.....       | 7,863            | 7,140         | 723                    | 10.1        | 8.1                | 7.7          |
| 20 to 49 acres.....       | 20,323           | 19,306        | 1,017                  | 5.3         | 21.0               | 20.8         |
| 50 to 99 acres.....       | 26,806           | 25,529        | 1,277                  | 5.0         | 27.7               | 27.5         |
| 100 to 174 acres.....     | 20,156           | 20,164        | -8                     | -(*)        | 20.8               | 21.7         |
| 175 to 259 acres.....     | 7,481            | 7,542         | -61                    | -0.8        | 7.7                | 8.1          |
| 260 to 499 acres.....     | 4,767            | 5,127         | -360                   | -7.0        | 4.9                | 5.5          |
| 500 to 999 acres.....     | 1,816            | 1,511         | -195                   | -12.9       | 1.4                | 1.6          |
| 1,000 acres and over..... | 437              | 614           | -177                   | -28.8       | 0.5                | 0.7          |
| <b>White.....</b>         | <b>95,977</b>    | <b>92,132</b> | <b>3,845</b>           | <b>4.2</b>  | <b>100.0</b>       | <b>100.0</b> |
| Under 3 acres.....        | 114              | 573           | -459                   | -80.1       | 0.1                | 0.6          |
| 3 to 9 acres.....         | 7,282            | 5,229         | 2,053                  | 39.3        | 7.6                | 5.7          |
| 10 to 19 acres.....       | 7,724            | 7,017         | 707                    | 10.1        | 8.0                | 7.6          |
| 20 to 49 acres.....       | 20,132           | 19,100        | 1,032                  | 5.4         | 21.0               | 20.7         |
| 50 to 99 acres.....       | 26,659           | 25,377        | 1,282                  | 5.1         | 27.8               | 27.5         |
| 100 to 174 acres.....     | 20,099           | 20,082        | 17                     | 0.1         | 20.9               | 21.8         |
| 175 to 259 acres.....     | 7,460            | 7,521         | -61                    | -0.8        | 7.8                | 8.2          |
| 260 to 499 acres.....     | 4,755            | 5,113         | -358                   | -7.0        | 5.0                | 5.6          |
| 500 to 999 acres.....     | 1,816            | 1,507         | -191                   | -12.7       | 1.4                | 1.6          |
| 1,000 acres and over..... | 436              | 613           | -177                   | -28.9       | 0.5                | 0.7          |
| <b>Colored.....</b>       | <b>708</b>       | <b>742</b>    | <b>-34</b>             | <b>-4.6</b> | <b>100.0</b>       | <b>100.0</b> |
| Under 3 acres.....        | 3                | 26            | -23                    | -88.5       | 0.4                | 3.5          |
| 3 to 9 acres.....         | 137              | 113           | 24                     | 21.2        | 19.4               | 15.2         |
| 10 to 19 acres.....       | 139              | 123           | 16                     | 13.0        | 19.6               | 16.6         |
| 20 to 49 acres.....       | 191              | 206           | -15                    | -7.3        | 27.0               | 27.8         |
| 50 to 99 acres.....       | 147              | 152           | -5                     | -3.3        | 20.8               | 20.5         |
| 100 to 174 acres.....     | 57               | 82            | -25                    | -30.5       | 8.1                | 11.1         |
| 175 to 259 acres.....     | 21               | 21            | 0                      | 0           | 3.0                | 2.8          |
| 260 to 499 acres.....     | 12               | 14            | -2                     | -14.3       | 1.7                | 1.9          |
| 500 to 999 acres.....     | 4                | 4             | 0                      | 0           | 0.5                | 0.5          |
| 1,000 acres and over..... | 1                | 1             | 0                      | 0           | 0.1                | 0.1          |

<sup>1</sup> A minus sign (-) denotes decrease. \* Less than one-tenth of 1 per cent.

Seven out of every ten farms are between 20 and 174 acres in size. Rather more than one-fourth, or 27.7 per cent, of the total number of farms in the state are between 50 and 99 acres in size. This is the largest group of farms shown in the above table. The next largest group consists of the 20 to 49 acre farms, which constitute 21 per cent of the total. Hardly less numerous are the farms between 100 and 174 acres, constituting 20.8 per cent of the total. These three groups represent, respectively, more or less typical farms, namely, the 80-acre farm, the 40-acre farm, and the 160-acre farm. A study of the distribution of farms by size groups discloses the fact that the greatest relative and actual gain in number from 1900 to 1910 was in the "3 to 9 acres" class. The number of places "under 3 acres," where some agriculture is carried on, is reported as less than one-fifth as great as 10 years ago. This decrease may be due to a different interpretation by enumerators as to what to include as a small farm or may represent an actual decrease in that type of farm. An increase is shown for each group of farms falling between 3 and 99 acres, the aggregate increase amounting to 5,094, or 8.9 per cent. The "100 to 174 acres" group has made no appreciable change, but the farms over 175 acres in size have decreased 793, or 5.4 per cent.

The following table shows the total and improved acreage and the value of land and buildings for farms

of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all 15,399), and also the farms of between 175 and 499 acres (numbering 12,248).

| SIZE GROUP.               | ALL LAND IN FARMS (ACRES). |                   | IMPROVED LAND IN FARMS (ACRES). |                  | VALUE OF LAND AND BUILDINGS. |                      |
|---------------------------|----------------------------|-------------------|---------------------------------|------------------|------------------------------|----------------------|
|                           | 1910                       | 1900              | 1910                            | 1900             | 1910                         | 1900                 |
| <b>Total.....</b>         | <b>10,026,442</b>          | <b>10,654,513</b> | <b>5,521,757</b>                | <b>5,498,981</b> | <b>\$264,390,954</b>         | <b>\$168,295,670</b> |
| Under 20 acres.....       | 149,047                    | 129,864           | 128,207                         | 112,518          | 12,055,803                   | 5,634,290            |
| 20 to 49 acres.....       | 876,989                    | 645,963           | 456,948                         | 437,178          | 22,929,321                   | 13,085,070           |
| 50 to 99 acres.....       | 1,875,754                  | 1,765,028         | 1,155,188                       | 1,069,560        | 49,093,413                   | 29,067,570           |
| 100 to 174 acres.....     | 2,557,005                  | 2,544,791         | 1,609,134                       | 1,470,745        | 64,873,363                   | 42,547,350           |
| 175 to 499 acres.....     | 3,179,329                  | 3,512,251         | 1,695,072                       | 1,708,099        | 80,792,565                   | 52,970,310           |
| 500 to 999 acres.....     | 849,970                    | 977,235           | 366,356                         | 400,977          | 19,609,782                   | 13,174,180           |
| 1,000 acres and over..... | 738,348                    | 1,279,381         | 210,855                         | 299,908          | 15,036,707                   | 11,216,600           |

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

| SIZE GROUP.               | PER CENT OF TOTAL. |              |                    |              |                         |              |                              |              |
|---------------------------|--------------------|--------------|--------------------|--------------|-------------------------|--------------|------------------------------|--------------|
|                           | Number of farms.   |              | All land in farms. |              | Improved land in farms. |              | Value of land and buildings. |              |
|                           | 1910               | 1900         | 1910               | 1900         | 1910                    | 1900         | 1910                         | 1900         |
| <b>Total.....</b>         | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>       | <b>100.0</b> | <b>100.0</b>            | <b>100.0</b> | <b>100.0</b>                 | <b>100.0</b> |
| Under 20 acres.....       | 15.9               | 14.1         | 1.5                | 1.2          | 2.3                     | 2.0          | 4.6                          | 3.3          |
| 20 to 49 acres.....       | 21.0               | 20.8         | 6.8                | 6.1          | 8.3                     | 8.0          | 8.7                          | 7.8          |
| 50 to 99 acres.....       | 27.7               | 27.5         | 18.7               | 16.6         | 20.9                    | 19.4         | 18.6                         | 17.6         |
| 100 to 174 acres.....     | 20.8               | 21.7         | 25.5               | 23.9         | 27.3                    | 26.7         | 24.5                         | 25.3         |
| 175 to 499 acres.....     | 12.7               | 13.6         | 31.7               | 31.1         | 30.3                    | 31.1         | 30.6                         | 31.5         |
| 500 to 999 acres.....     | 1.4                | 1.6          | 8.5                | 9.2          | 6.6                     | 7.3          | 7.4                          | 7.8          |
| 1,000 acres and over..... | 0.5                | 0.7          | 7.4                | 12.0         | 3.8                     | 5.5          | 5.7                          | 6.7          |

Of the total farm acreage of the state in 1910, 31.7 per cent was in farms of 175 to 499 acres, and 25.5 per cent in farms of 100 to 174 acres, these two being from the standpoint of aggregate acreage the most important size groups. Between 1900 and 1910 there was a decrease in the proportion of the total acreage in farms of 500 acres and over, and an increase in the proportion in farms of less than 500 acres.

As shown by the next table, the percentage of farm land improved diminishes as the average size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land generally diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

| SIZE GROUP.               | PER CENT OF FARM LAND IMPROVED. |             | AVERAGE VALUE OF LAND AND BUILDINGS. |                |                |                |
|---------------------------|---------------------------------|-------------|--------------------------------------|----------------|----------------|----------------|
|                           | 1910                            | 1900        | Per farm.                            |                | Per acre.      |                |
|                           |                                 |             | 1910                                 | 1900           | 1910           | 1900           |
| <b>Total.....</b>         | <b>55.1</b>                     | <b>51.6</b> | <b>\$2,735</b>                       | <b>\$1,812</b> | <b>\$26.37</b> | <b>\$15.80</b> |
| Under 20 acres.....       | 86.0                            | 86.6        | 783                                  | 431            | 80.89          | 43.39          |
| 20 to 49 acres.....       | 67.5                            | 67.7        | 1,128                                | 675            | 33.87          | 20.26          |
| 50 to 99 acres.....       | 61.6                            | 60.6        | 1,831                                | 1,162          | 26.17          | 16.81          |
| 100 to 174 acres.....     | 59.0                            | 57.8        | 3,219                                | 2,110          | 25.37          | 16.72          |
| 175 to 499 acres.....     | 53.3                            | 51.6        | 6,596                                | 4,181          | 25.41          | 15.99          |
| 500 to 999 acres.....     | 43.1                            | 41.0        | 14,901                               | 8,719          | 23.07          | 13.48          |
| 1,000 acres and over..... | 28.6                            | 23.4        | 34,409                               | 18,268         | 20.37          | 8.77           |

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

Of all West Virginia farmers, 98.4 per cent were native whites, 0.9 per cent foreign-born whites, and 0.7 per cent negroes and other nonwhites. Among the 708 nonwhite farmers, 707 were negroes and 1 was an Indian. Of the native whites, 20.6 per cent were tenants, as compared with 10.3 per cent among foreign-born whites and 20.2 per cent among the nonwhites.

Of the 839 foreign-born white farmers in West Virginia in 1910, 336 were born in Germany; 131 in Ire-

land; 111 in Switzerland; and 95 in England. Other European countries were represented by a total of 145 farmers, and non-European countries by 21.

| COLOR AND NATIVITY.            | FARM OPERATORS. |                         |          |           |            |                    |           |            |
|--------------------------------|-----------------|-------------------------|----------|-----------|------------|--------------------|-----------|------------|
|                                | Total.          |                         | Own-ers. | Ten-ants. | Man-agers. | Per cent of total. |           |            |
|                                | Num-ber.        | Per cent dis-tribution. |          |           |            | Own-ers.           | Ten-ants. | Man-agers. |
| Total.....                     | 98,685          | 100.0                   | 75,978   | 19,835    | 872        | 78.6               | 20.5      | 0.9        |
| Native white.....              | 95,138          | 98.4                    | 74,674   | 19,608    | 858        | 78.5               | 20.6      | 0.9        |
| Foreign-born white.....        | 839             | 0.9                     | 746      | 86        | 7          | 88.9               | 10.3      | 0.8        |
| Negro and other non-white..... | 708             | 0.7                     | 558      | 143       | 7          | 78.8               | 20.2      | 1.0        |

### DOMESTIC ANIMALS, POULTRY, AND BEES.

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

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

Of the total number of farms enumerated, 92,179, or 95.3 per cent, report domestic animals of some kind, the number without any domestic animals being 4,506.

Of all the farms in the state, 91.8 per cent report cattle, 90 per cent reporting "dairy cows," and only 21.2 per cent "other cows." Of the farms reporting cattle, 2.5 per cent have no dairy cows. The farms reporting dairy cows show an average of nearly 3 per farm. The total number of cows increased materially during the decade, and the average value of dairy cows increased from \$27.70 to \$31.57.

The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 134,107 to 59,518, and the average value decreasing from \$8.22 to \$7.09.

Horses are reported by 73.2 per cent of all the farms in the state, while 13.5 per cent report colts born in 1909, and only 3.1 per cent report spring colts. The

average value of mature horses in 1910 is reported as \$109.18.

| AGE AND SEX GROUP.   | FARMS REPORTING. |                        | ANIMALS.       |                   |                |
|--|------------------|------------------------|----------------|-------------------|----------------|
|  | Number.          | Per cent of all farms. | Number.        | Value.            | Average value. |
| Total.....   | 92,179           | 95.3                   | .....          | \$41,318,436      | .....          |
| <b>Cattle.....</b>   | <b>88,759</b>    | <b>91.8</b>            | <b>620,288</b> | <b>15,860,764</b> | <b>\$25.57</b> |
| Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1900).....     | 87,004           | 90.0                   | 239,639        | 7,563,400         | 31.57          |
| Other cows (cows and heifers not kept for milk, born before Jan. 1, 1900)..... | 20,512           | 21.2                   | 63,740         | 1,544,213         | 24.23          |
| Heifers born in 1909.....  | 34,890           | 36.1                   | 75,503         | 1,123,158         | 14.88          |
| Calves born after Jan. 1, 1910.....  | 35,449           | 36.7                   | 59,518         | 422,136           | 7.09           |
| Steers and bulls born in 1909.....   | 22,400           | 23.2                   | 69,602         | 1,246,389         | 17.91          |
| Steers and bulls born before Jan. 1, 1909.....                                 | 14,851           | 15.4                   | 112,386        | 3,961,408         | 35.25          |
| <b>Horses.....</b>   | <b>70,777</b>    | <b>73.2</b>            | <b>179,991</b> | <b>18,583,381</b> | <b>103.25</b>  |
| Mares, stallions, and geldings born before Jan. 1, 1909.....                   | 70,125           | 72.5                   | 159,557        | 17,419,881        | 109.18         |
| Colts born in 1909.....  | 13,067           | 13.5                   | 16,973         | 1,047,242         | 61.70          |
| Colts born after Jan. 1, 1910.....   | 3,028            | 3.1                    | 3,461          | 116,258           | 33.59          |
| <b>Mules.....</b>  | <b>6,629</b>     | <b>6.9</b>             | <b>11,717</b>  | <b>1,339,760</b>  | <b>114.34</b>  |
| Mules born before Jan. 1, 1909.....  | 6,177            | 6.4                    | 10,800         | 1,278,071         | 118.34         |
| Mule colts born in 1909.....   | 539              | 0.6                    | 777            | 50,018            | 72.10          |
| Mule colts born after Jan. 1, 1910.....  | 115              | 0.1                    | 140            | 5,671             | 40.51          |
| <b>Asses and burros.....</b>   | <b>124</b>       | <b>0.1</b>             | <b>160</b>     | <b>25,556</b>     | <b>159.73</b>  |
| <b>Swine.....</b>  | <b>66,884</b>    | <b>69.2</b>            | <b>328,188</b> | <b>2,087,392</b>  | <b>6.36</b>    |
| Hogs and pigs born before Jan. 1, 1910.....                                    | 61,765           | 63.9                   | 211,463        | 1,779,050         | 8.41           |
| Pigs born after Jan. 1, 1910.....  | 21,727           | 22.5                   | 116,725        | 308,342           | 2.64           |
| <b>Sheep.....</b>  | <b>28,179</b>    | <b>27.1</b>            | <b>910,360</b> | <b>3,400,901</b>  | <b>3.74</b>    |
| Ewes born before Jan. 1, 1910.....   | 25,524           | 26.4                   | 499,064        | 2,410,151         | 4.83           |
| Rams and wethers born before Jan. 1, 1910.....                                 | 13,273           | 13.7                   | 67,888         | 314,500           | 4.63           |
| Lambs born after Jan. 1, 1910.....   | 22,049           | 22.8                   | 343,408        | 676,250           | 1.97           |
| <b>Goats.....</b>  | <b>385</b>       | <b>0.4</b>             | <b>5,748</b>   | <b>20,682</b>     | <b>3.60</b>    |

About seven farms out of every hundred report mules and mule colts. The average values of mules of the different ages are somewhat higher than those of horses of the corresponding age groups.

Sheep and lambs are reported from 26,179 farms, or 27.1 per cent of all the farms in the state. Of these

26,179 farms, 84.2 per cent report spring lambs, the number of the latter being equal to 68.8 per cent of the number of ewes. Ewes are reported from all but 655 of the farms reporting sheep, and for the farms reporting the average is about 20 ewes per farm. The farms reporting rams and wethers show an average of 5 per farm.

Of all farms, 69.2 per cent report swine, the average number being about 5 per farm reporting. The average value of the swine reported as "hogs and pigs born before January 1, 1910," is \$8.41, while that of spring pigs is nearly one-third as much.

**Poultry on farms: 1910 and 1900.**—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value and the number of farms reporting each kind in 1910:

| KIND.             | 1910<br>(April 15.) |                        |                  |             | 1900<br>(June 1) |
|-------------------|---------------------|------------------------|------------------|-------------|------------------|
|                   | Farms reporting.    |                        | Number of fowls. | Value.      | Number of fowls. |
|                   | Number.             | Per cent of all farms. |                  |             |                  |
| Total.....        | 89,203              | 92.3                   | 3,810,155        | \$1,628,700 | 3,053,071        |
| Chickens.....     | 89,099              | 92.2                   | 3,100,907        | 1,435,969   | 2,759,585        |
| Turkeys.....      | 18,762              | 19.4                   | 72,752           | 124,550     | 105,265          |
| Ducks.....        | 6,776               | 7.0                    | 35,576           | 16,854      | 58,273           |
| Geese.....        | 10,447              | 10.8                   | 72,972           | 43,802      | 129,948          |
| Guinea fowls..... | 3,480               | 3.6                    | 14,148           | 5,325       | (1)              |
| Pigeons.....      | 941                 | 1.0                    | 7,698            | 1,965       | (2)              |
| Peafowls.....     | 21                  | (3)                    | 102              | 235         | (2)              |

<sup>1</sup> Included with chickens. <sup>2</sup> Not reported. <sup>3</sup> Less than one-tenth of 1 per cent.

The increase in the number of fowls on West Virginia farms during the last decade amounts to 8.4 per cent, while the value increased from \$964,000 to \$1,629,000, or 69 per cent. The number of farms reporting poultry increased from 85,041 to 89,203, and the average number of fowls per farm reporting increased from 36 to 37. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

**Bees on farms: 1910 and 1900.**—The number of farms reporting bees has decreased from 25,240 in 1900 to 24,035 in 1910, or 4.8 per cent. The number of colonies of bees decreased from 111,417 to 110,673, or 0.7 per cent, while their value increased from \$375,622 to

\$388,937, or 3.5 per cent. The average value of bees per farm reporting was \$14.88 in 1900 and \$16.18 in 1910. About one farm in every four reports bees.

**Domestic animals not on farms: 1910.**—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

| KIND.                 | Number of inclosures reporting. | ANIMALS. |             |                |
|-----------------------|---------------------------------|----------|-------------|----------------|
|                       |                                 | Number.  | Value.      | Average value. |
| Total.....            | 29,305                          |          | \$4,941,574 |                |
| All cattle.....       | 19,078                          | 31,524   | 1,053,931   | \$33.43        |
| Dairy cows.....       | 19,364                          | 24,052   | 934,985     | 38.87          |
| Horses.....           | 10,007                          | 22,256   | 2,912,300   | 130.85         |
| Mules.....            | 1,177                           | 6,508    | 781,927     | 120.15         |
| Asses and burros..... | 15                              | 56       | 8,720       | 155.71         |
| Swine.....            | 10,090                          | 25,406   | 178,015     | 7.01           |
| Sheep.....            | 136                             | 1,358    | 5,133       | 3.78           |
| Goats.....            | 143                             | 255      | 1,542       | 6.05           |

Horses are by far the most important class of domestic animals not on farms when value is considered, but the number of cattle (including dairy cows) and of dairy cows, as well as the number of swine, is greater than the number of horses.

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

| KIND.                 | DOMESTIC ANIMALS. |              |           |              |               |             |
|-----------------------|-------------------|--------------|-----------|--------------|---------------|-------------|
|                       | Total.            |              | On farms. |              | Not on farms. |             |
|                       | Number.           | Value.       | Number.   | Value.       | Number.       | Value.      |
| Total.....            |                   | \$46,260,010 |           | \$41,318,438 |               | \$4,941,574 |
| All cattle.....       | 651,812           | 10,014,605   | 620,288   | 15,860,764   | 31,524        | 1,053,931   |
| Dairy cows.....       | 263,591           | 8,498,335    | 230,539   | 7,563,400    | 24,052        | 934,985     |
| Horses.....           | 202,247           | 21,495,687   | 179,991   | 18,583,381   | 22,256        | 2,912,300   |
| Mules.....            | 18,225            | 2,121,687    | 11,717    | 1,339,760    | 6,508         | 781,927     |
| Asses and burros..... | 216               | 34,276       | 160       | 25,556       | 56            | 8,720       |
| Swine.....            | 353,594           | 2,265,407    | 328,188   | 2,087,392    | 25,406        | 178,015     |
| Sheep.....            | 911,718           | 3,406,034    | 910,360   | 3,400,901    | 1,358         | 5,133       |
| Goats.....            | 6,003             | 22,224       | 5,748     | 20,682       | 255           | 1,542       |

The value of all domestic animals in the state in 1910 was \$46,260,000, of which the value of animals not on farms constituted 10.7 per cent.

**LIVE STOCK PRODUCTS.**

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

result from the fact that part of the crops are fed to the live stock.

**Dairy products: 1909 and 1899.**—The number of farms reporting dairy cows on April 15, 1910, was 87,004, but only 81,108 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the



principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk produced during 1909 was 80,586 (slightly less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 225,000. The amount of milk reported was 71,230,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 316 gallons per cow. In considering this average it should be borne in mind that the quantity of milk reported is probably deficient, and that the distinction between dairy and other cows is not always strictly observed in the census returns.

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

|  | FARMS REPORTING. |                        | Number or quantity. | Unit.  | VALUE.      |                   |
|--|------------------|------------------------|---------------------|--------|-------------|-------------------|
|  | Num-ber.         | Per cent of all farms. |                     |        | Total.      | Average per unit. |
| Dairy cows on farms April 15, 1910.....                                    | 87,004           | 90.0                   | 239,539             | Head   | .....       | .....             |
| On farms reporting dairy products in 1909.....                             | 81,108           | 83.9                   | 228,569             | Head   | .....       | .....             |
| On farms reporting milk produced in 1909.....                              | 80,586           | 83.3                   | 225,157             | Head   | .....       | .....             |
| Specified dairy products, 1909:  |                  |                        |                     |        |             |                   |
| Milk reported.....   |                  |                        | 71,230,033          | Gals.. | .....       | .....             |
| Butter made.....   | 81,070           | 83.8                   | 18,969,699          | Lbs... | \$4,054,498 | \$0.21            |
| Cheese made.....   | 222              | 0.2                    | 70,473              | Lbs... | 9,093       | 0.13              |
| Milk sold.....   | 3,663            | 3.8                    | 4,050,741           | Gals.. | 864,958     | 0.21              |
| Cream sold.....  | 375              | 0.4                    | 104,696             | Gals.. | 69,116      | 0.66              |
| Butter fat sold.....   | 12               | (1)                    | 8,421               | Lbs... | 2,503       | 0.30              |
| Butter sold.....   | 46,549           | 48.1                   | 7,077,664           | Lbs... | 1,588,613   | 0.22              |
| Cheese sold.....   | 86               | 0.1                    | 55,363              | Lbs... | 7,134       | 0.13              |
| Total receipts from sales, 1909.....                                       |                  |                        |                     |        | 2,532,324   | .....             |
| Total value of milk, cream, and butter fat sold and cheese made, 1909..... |                  |                        |                     |        | 5,000,138   | .....             |
| Specified dairy products, 1899:  |                  |                        |                     |        |             |                   |
| Butter made.....   | 73,178           | 78.8                   | 16,913,129          | Lbs... | .....       | .....             |
| Cheese made.....   | 152              | 0.2                    | 74,243              | Lbs... | .....       | .....             |
| Butter sold.....   |                  |                        | 5,520,784           | Lbs... | 841,147     | 0.15              |
| Cheese sold.....   |                  |                        | 60,842              | Lbs... | 5,974       | 0.10              |

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

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience, a partial total has been presented, comprising the reported value of milk and cream sold as such and sold on the butter fat basis, and the reported value of butter and cheese made whether for home consumption or for sale. The total thus obtained for 1909 is \$5,000,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Only a small proportion of the milk reported as produced by West Virginia farmers in 1909 was sold as such. The butter made on farms in 1909 was valued at \$4,054,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for

farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows an increase between 1899 and 1909 in the amount of butter made and a decrease in the production of cheese.

**Wool: 1909 and 1899.**—The table below gives statistics as to the production of wool on farms, the figures being partly based on estimates:<sup>1</sup>

|  | Number of farms reporting. | Sheep of shearing age. | WOOL PRODUCED.    |                  |           |
|--|----------------------------|------------------------|-------------------|------------------|-----------|
|  |                            |                        | Fleeces (number). | Weight (pounds). | Value.    |
| Sheep of shearing age on farms April 15, 1910..... | 25,787                     | 566,952                | .....             | .....            | .....     |
| Wool produced, as reported, 1909.....              | 21,601                     | .....                  | 508,605           | 2,472,803        | \$762,247 |
| On farms reporting sheep April 15, 1910.....       | 20,084                     | 489,194                | 481,552           | 2,346,677        | 724,409   |
| On other farms.....                                | 1,517                      | .....                  | 27,053            | 126,126          | 37,838    |
| Total production of wool (partly estimated):       |                            |                        |                   |                  |           |
| 1909.....  |                            |                        | 558,095           | 2,719,684        | 839,555   |
| 1899.....  |                            |                        | 587,381           | 3,123,455        | 636,012   |
| Increase, 1899 to 1909 <sup>1</sup> .....          |                            |                        | -29,286           | -403,771         | 203,543   |
| Per cent of increase <sup>1</sup> .....            |                            |                        | -5.0              | -12.9            | 32.0      |

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

The total number of sheep of shearing age in West Virginia on April 15, 1910, was 567,000, representing a decrease of 1 per cent as compared with the number on June 1, 1900 (573,000). The approximate production of wool during 1909 was 558,000 fleeces, weighing 2,720,000 pounds and valued at \$840,000. Of these totals about 9 per cent represent estimates. The number of fleeces produced in 1909 was 5 per cent less than in 1899. The average weight per fleece in 1909 was 4.9 pounds, as compared with 5.3 pounds in 1899, and the average value per pound was 31 cents, as compared with 20 cents in 1899.

**Goat hair and mohair: 1909 and 1899.**—Although 385 farmers reported 5,748 goats and kids on their farms April 15, 1910, only 117 reported the production of goat hair or mohair during 1909. These farmers reported 3,248 fleeces, weighing 8,991 pounds and valued at \$2,699. Although the production is still unimportant, an increase is shown over that in 1899. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

<sup>1</sup> Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 5,703 farmers who reported the possession of 77,758 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909, and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

**Poultry products: 1909 and 1899.**—The statement below gives data relative to the production and sale of eggs and poultry:

|  | Number of farms reporting. | Number of fowls on hand. | PRODUCT.                   |             |
|--|----------------------------|--------------------------|----------------------------|-------------|
|  |                            |                          | Quantity.                  | Value.      |
| Fowls on farms April 15, 1910 .....            | 89,203                     | 3,310,155                | .....                      | .....       |
| On farms reporting eggs produced in 1909.....  | 80,546                     | 3,134,272                | .....                      | .....       |
| On other farms.....                            | 8,657                      | 175,883                  | .....                      | .....       |
| Eggs produced, as reported, 1909..             | 81,093                     | .....                    | Dozens.<br>18,074,410      | \$3,464,309 |
| Total production of eggs (partly estimated):   |                            |                          |                            |             |
| 1909.....                                      |                            |                          | 19,159,008                 | 3,672,193   |
| 1899.....                                      |                            |                          | 17,242,400                 | 1,877,675   |
| Increase, 1899 to 1909.....                    |                            |                          | 1,916,608                  | 1,794,518   |
| Per cent of increase.....                      |                            |                          | 11.1                       | 95.6        |
| Eggs sold, as reported, 1909.....              | 69,788                     | .....                    | 11,762,888                 | 2,250,362   |
| Fowls on farms April 15, 1910:                 |                            |                          |                            |             |
| On farms reporting poultry raised in 1909..... | 78,007                     | 3,054,692                | .....                      | .....       |
| On other farms.....                            | 11,196                     | 255,463                  | .....                      | .....       |
| Poultry raised, as reported, 1909..            | 78,800                     | .....                    | No. of fowls.<br>5,115,305 | 2,085,924   |
| Total poultry raised (partly estimated):       |                            |                          |                            |             |
| 1909.....                                      |                            |                          | 5,543,096                  | 2,238,696   |
| 1899.....                                      |                            |                          | 1,843,752                  | 394,944     |
| Increase, 1899 to 1909.....                    |                            |                          |                            | 21.4        |
| Per cent of increase.....                      |                            |                          |                            | 21.4        |
| Fowls sold, as reported, 1909.....             | 56,192                     | .....                    | 2,009,220                  | 960,436     |

The total number of fowls on West Virginia farms on April 15, 1910, was 3,310,000. Of the 89,203 farms reporting fowls, 8,657 did not report any eggs produced in 1909, and 11,196 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 18,074,000 dozens, valued at \$3,464,000. According to the Twelfth Census reports, the production of eggs in 1899 was 17,242,000 dozens, the value being \$1,878,000. The latter figures, however, are somewhat in excess of the actual returns at that census, because they include estimates made to cover those cases where the schedules reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 19,159,000 dozens, valued at \$3,672,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 5,543,000 fowls, valued at \$2,239,000.

**Honey and wax: 1909.**—Although, as noted elsewhere, 24,035 farms reported 110,673 colonies of bees on hand April 15, 1910, 8,087 of these farms, with 19,795 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 1,550,739 pounds of

honey, valued at \$228,843, and 11,090 pounds of wax, valued at \$2,787; the true totals are doubtless somewhat above these figures.

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

|                            | FARMS REPORTING. |                        | Number of animals. | VALUE.       |          |
|----------------------------|------------------|------------------------|--------------------|--------------|----------|
|                            | Number.          | Per cent of all farms. |                    | Total.       | Average. |
| 1909—All domestic animals: |                  |                        |                    |              |          |
| Sold.....                  |                  |                        |                    | \$14,159,182 | .....    |
| Slaughtered.....           |                  |                        |                    | 4,297,936    | .....    |
| Calves:                    |                  |                        |                    |              |          |
| Sold.....                  | 25,143           | 26.0                   | 58,815             | 499,371      | \$8.49   |
| Slaughtered.....           | 1,282            | 1.3                    | 5,108              | 41,975       | 8.22     |
| Other cattle:              |                  |                        |                    |              |          |
| Sold.....                  | 39,132           | 40.5                   | 257,733            | 8,835,566    | 34.28    |
| Slaughtered.....           | 8,220            | 8.5                    | 18,753             | 532,939      | 28.42    |
| Horses:                    |                  |                        |                    |              |          |
| Sold.....                  | 11,797           | 12.2                   | 19,466             | 2,085,711    | 107.20   |
| Mules:                     |                  |                        |                    |              |          |
| Sold.....                  | 1,258            | 1.3                    | 2,290              | 200,542      | 116.39   |
| Asses and burros:          |                  |                        |                    |              |          |
| Sold.....                  | 51               | 0.1                    | 193                | 6,969        | 36.11    |
| Swine:                     |                  |                        |                    |              |          |
| Sold.....                  | 18,164           | 18.8                   | 121,650            | 670,226      | 5.51     |
| Slaughtered.....           | 65,798           | 68.1                   | 206,701            | 3,682,430    | 17.82    |
| Sheep:                     |                  |                        |                    |              |          |
| Sold.....                  | 14,953           | 15.5                   | 410,133            | 1,791,762    | 4.37     |
| Slaughtered.....           | 3,173            | 3.3                    | 8,269              | 39,353       | 4.76     |
| Goats:                     |                  |                        |                    |              |          |
| Sold.....                  | 75               | 0.1                    | 819                | 3,035        | 3.71     |
| Slaughtered.....           | 30               | ( <sup>1</sup> )       | 74                 | 239          | 3.23     |
| 1899—All domestic animals: |                  |                        |                    |              |          |
| Sold <sup>2</sup> .....    |                  |                        |                    | 6,533,034    | .....    |
| Slaughtered.....           |                  |                        |                    | 2,895,032    | .....    |

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

<sup>2</sup> Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$14,159,000 and that of animals slaughtered on farms \$4,297,000, making an aggregate of \$18,456,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year.

The value of the cattle (including calves) sold during 1909 represented about two-thirds of the total value of animals sold, and the value of horses sold represented about one-seventh of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the value of those slaughtered during 1899, which amounted, respectively, to \$6,533,000 and \$2,895,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales, whether of animals raised on the farms reporting or elsewhere. It is believed that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

**CROPS.**

**Summary: 1909 and 1899.**—The next table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In com-

paring one year with the other it should be borne in mind that acreage is on the whole a better index of the general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to tempo-

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

|  | ACRES.           |                  |                        |             | PER CENT OF IMPROVED LAND OCCUPIED. |             | VALUE OF PRODUCTS. |                   |                        |              |                    |             |       |
|--|------------------|------------------|------------------------|-------------|-------------------------------------|-------------|--------------------|-------------------|------------------------|--------------|--------------------|-------------|-------|
|  | 1909             | 1899             | Increase. <sup>1</sup> |             | 1909                                | 1899        | 1909               | 1899              | Increase. <sup>1</sup> |              | Per cent of total. |             |       |
|  |                  |                  | Amount.                | Per cent.   |                                     |             |                    |                   | Amount.                | Per cent.    | 1909               | 1899        |       |
| All crops.....                               |                  |                  |                        |             |                                     |             |                    | \$40,374,776      | \$25,696,189           | \$14,678,587 | 57.1               | 100.0       | 100.0 |
| <b>Crops with acreage reports.....</b>       | <b>1,874,382</b> | <b>1,992,403</b> | <b>-118,021</b>        | <b>-5.9</b> | <b>33.9</b>                         | <b>36.2</b> | <b>33,120,053</b>  | <b>20,805,107</b> | <b>12,314,946</b>      | <b>59.2</b>  | <b>82.0</b>        | <b>81.0</b> |       |
| Cereals.....                                 | 1,038,931        | 1,307,428        | -268,497               | -20.5       | 18.8                                | 23.8        | 16,987,700         | 11,571,334        | 4,426,366              | 38.3         | 39.0               | 45.0        |       |
| Other grains and seeds.....                  | 8,344            | 5,557            | 2,787                  | 50.2        | 0.2                                 | 0.1         | 84,634             | 84,460            | 174                    | 0.2          | 0.2                | 0.3         |       |
| Hay and forage.....                          | 708,900          | 601,935          | 106,965                | 17.8        | 12.8                                | 10.9        | 7,492,747          | 5,517,073         | 1,975,674              | 35.8         | 18.0               | 21.5        |       |
| Tobacco.....                                 | 17,928           | 5,129            | 12,799                 | 249.5       | 0.3                                 | 0.1         | 1,923,180          | 228,820           | 1,694,560              | 741.2        | 4.8                | 0.9         |       |
| Sugar crops.....                             | 8,607            | 6,870            | 1,737                  | 25.3        | 0.2                                 | 0.1         | 300,547            | 189,935           | 110,612                | 58.2         | 0.7                | 0.7         |       |
| Sundry minor crops.....                      | 46               | 98               | -52                    | (*)         | (*)                                 | (*)         | 3,980              | 2,278             | 1,702                  | 74.7         | (*)                | (*)         |       |
| Potatoes and sweet potatoes and yams....     | 44,700           | 33,516           | 11,184                 | 33.4        | 0.8                                 | 0.6         | 2,448,724          | 1,258,904         | 1,189,820              | 94.5         | 6.1                | 4.0         |       |
| Other vegetables.....                        | 43,524           | 29,290           | 14,234                 | 48.6        | 0.8                                 | 0.5         | 4,519,894          | 1,697,028         | 2,822,866              | 166.3        | 11.2               | 6.6         |       |
| Flowers and plants and nursery products..... | 459              | 586              | -97                    | -18.6       | (*)                                 | (*)         | 157,045            | 106,084           | 51,591                 | 48.6         | 0.4                | 0.4         |       |
| Small fruits.....                            | 2,913            | 1,994            | 919                    | 46.1        | 0.1                                 | (*)         | 191,002            | 149,391           | 41,611                 | 27.9         | 0.5                | 0.6         |       |
| <b>Crops with no acreage reports.....</b>    |                  |                  |                        |             |                                     |             | <b>7,254,723</b>   | <b>4,891,082</b>  | <b>2,363,641</b>       | <b>48.3</b>  | <b>18.0</b>        | <b>19.0</b> |       |
| Seeds.....                                   |                  |                  |                        |             |                                     |             | 8,916              | 16,850            | -7,943                 | -47.1        | (*)                | 0.1         |       |
| Fruits and nuts.....                         |                  |                  |                        |             |                                     |             | 3,149,122          | 4,210,871         | 938,251                | 42.4         | 7.8                | 8.6         |       |
| Maple sugar and sirup.....                   |                  |                  |                        |             |                                     |             | 46,568             | 25,271            | 21,297                 | 84.3         | 0.1                | 0.1         |       |
| Forest products of farms.....                |                  |                  |                        |             |                                     |             | 4,004,484          | 2,632,980         | 1,371,504              | 52.1         | 9.9                | 10.2        |       |
| Miscellaneous.....                           |                  |                  |                        |             |                                     |             | 45,633             | 5,101             | 40,532                 | 794.6        | 0.1                | (*)         |       |

<sup>1</sup> A minus sign (-) denotes decrease.  
<sup>2</sup> Per cent not calculated when base is less than 100.

<sup>3</sup> Less than one-tenth of 1 per cent.  
<sup>4</sup> Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$40,375,000. Of this amount, 82 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 1,874,382, representing 33.9 per cent of the total improved land in farms (5,521,757 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of West Virginia agriculture is indicated by the fact that about two-fifths (39.6 per cent) of the total value of crops in 1909 was contributed by the cereals, about one-fifth (18.6 per cent) by hay and forage, and about one-sixth (17.3 per cent) by potatoes and other vegetables. The remainder, representing 24.5 per cent of the total, consisted mostly of forest products, fruits and nuts, and tobacco.

The value of crops in 1909 was 57.1 per cent greater than in 1899, this increase being, no doubt, due in part to higher prices. There was a decrease of 5.9 per cent in the total acreage of crops for which acreage was reported, the greatest absolute decrease being that in the acreage of cereals and the greatest absolute increase that in the acreage of hay and forage.

General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.—The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, and sundry minor crops:

| CROP.   | Farms reporting. | Acres harvested. | QUANTITY.         |       | Value.              |
|---|------------------|------------------|-------------------|-------|---------------------|
|   |                  |                  | Amount.           | Unit. |                     |
| <b>Cereals, total.....</b>  |                  | <b>1,038,931</b> | <b>22,116,677</b> | Bu... | <b>\$15,907,700</b> |
| Corn.....   | 83,028           | 676,311          | 17,119,097        | Bu... | 11,907,261          |
| Oats.....   | 22,412           | 103,758          | 1,728,806         | Bu... | 912,388             |
| Wheat, total.....   | 22,344           | 209,315          | 2,875,996         | Bu... | 2,697,141           |
| Common winter and spring.....   | 22,335           | 209,219          | 2,574,323         | Bu... | 2,695,474           |
| Durum or macaroni.....  | 12               | 96               | 1,073             | Bu... | 1,647               |
| Emmer and spelt.....  | 20               | 111              | 1,558             | Bu... | 1,515               |
| Barley.....   | 110              | 408              | 8,407             | Bu... | 5,640               |
| Buckwheat.....  | 9,028            | 33,323           | 533,670           | Bu... | 361,171             |
| Rye.....  | 2,774            | 15,079           | 148,676           | Bu... | 122,258             |
| Kafir corn and milo maize:  | 16               | 26               | 467               | Bu... | 328                 |
| <b>Other grains and seeds with acreage report, total<sup>1</sup>.....</b> |                  | <b>8,344</b>     | <b>41,417</b>     | Bu... | <b>84,634</b>       |
| Dry edible beans.....   | 8,026            | 8,111            | 39,794            | Bu... | 81,049              |
| Dry peas.....   | 93               | 232              | 1,400             | Bu... | 3,312               |
| <b>Seeds with no acreage report, total.....</b>                           |                  |                  |                   |       | <b>8,916</b>        |
| Timothy seed.....   | 201              | (*)              | 993               | Bu... | 2,252               |
| Clover seed.....  | 65               | (*)              | 602               | Bu... | 5,149               |
| Millet seed.....  | 1                | (*)              | 2                 | Bu... | 5                   |
| Other tame grass seed.....  | 99               | (*)              | 1,048             | Bu... | 1,350               |
| Flower and garden seeds.....  | 5                | (*)              |                   |       | 100                 |
| <b>Hay and forage, total.....</b>   | <b>61,884</b>    | <b>708,900</b>   | <b>639,104</b>    | Tons. | <b>7,492,747</b>    |
| Timothy alone.....  | 29,082           | 308,814          | 278,074           | Tons. | 3,404,456           |
| Timothy and clover mixed.....   | 24,327           | 281,794          | 249,986           | Tons. | 3,001,535           |
| Clover alone.....   | 1,217            | 6,661            | 6,514             | Tons. | 75,843              |
| Alfalfa.....  | 1,179            | 690              | 1,406             | Tons. | 17,032              |
| Millet or Hungarian grass.....  | 2,580            | 7,758            | 8,966             | Tons. | 110,749             |
| Other tame or cultivated grasses.....                                     | 7,242            | 82,607           | 66,994            | Tons. | 707,627             |
| Wild, salt, or prairie grasses.....                                       | 538              | 5,495            | 4,051             | Tons. | 86,680              |
| Grains cut green.....   | 830              | 4,191            | 6,837             | Tons. | 63,493              |
| Coarse forage.....  | 1,864            | 10,876           | 16,269            | Tons. | 73,671              |
| Root forage.....  | 24               | 8                | 67                | Tons. | 731                 |
| Potatoes.....   | 81,297           | 42,621           | 4,077,066         | Bu... | 2,278,638           |
| Sweet potatoes and yams.....  | 15,632           | 2,079            | 215,582           | Bu... | 170,086             |
| Tobacco.....  | 9,299            | 17,928           | 14,356,400        | Lbs.  | 1,023,180           |
| Sundry minor crops, total <sup>4</sup> .....                              |                  |                  | 46                |       | 3,080               |
| Broom corn.....   | 397              | 45               | 30,456            | Lbs.  | 3,229               |

<sup>1</sup> Includes small amounts of flaxseed, peanuts, and sunflower seed.  
<sup>2</sup> A considerable part of this acreage is probably a duplication of other crop acreage.  
<sup>3</sup> The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.  
<sup>4</sup> Includes small amounts of cotton, hops, and ginseng.

The leading crops covered by the table, in the order of their importance as judged by value, are corn, \$11,907,000; hay and forage, \$7,493,000; wheat, \$2,697,000; potatoes, \$2,279,000; and tobacco, \$1,923,000. It should be noted, however, that some

of the crops, statistics for which appear elsewhere, are more important than wheat, potatoes, or tobacco.

Corn is by far the leading crop from the standpoint of value, being in this respect almost 60 per cent greater than hay and forage. But in acreage hay and forage ranks first. Wheat ranks third in both acreage and value. Oats, with an acreage more than one-seventh as great as that of corn, have a reported value about one-thirteenth as great. Potatoes, with an acreage of little more than two-fifths that of oats, show a value about two and one-half times as great. Tobacco is far below potatoes in acreage, but only a little below it in value.

Among the hay and forage crops, "timothy alone" ranks first in both acreage and value; "timothy and clover mixed" ranks second in each respect; and the two classes together represent about seven-eighths of the acreage and value, respectively, of all hay and forage. The acreage of hay and forage is about two-thirds as great as that of all cereals combined, while the value is a little less than half as great.

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

| CROP YEAR. | ACRES HARVESTED. |         |         |            |                 |                  |
|------------|------------------|---------|---------|------------|-----------------|------------------|
|            | Corn.            | Oats.   | Wheat.  | Buckwheat. | Hay and forage. | Potatoes.        |
| 1909.....  | 676,311          | 103,758 | 209,315 | 33,323     | 708,900         | 42,621           |
| 1899.....  | 724,646          | 99,433  | 447,928 | 21,410     | 601,035         | 30,123           |
| 1889.....  | 592,763          | 180,815 | 349,016 | 13,696     | 579,129         | 27,465           |
| 1879.....  | 565,785          | 126,931 | 393,068 | 30,334     | 366,328         | ( <sup>1</sup> ) |

<sup>1</sup> Not reported.

The acreage of corn in 1899 was 28.1 per cent greater than in 1879, but there was a decrease of nearly 7 per cent during the last decade. The acreage of oats has shown marked fluctuations, increasing over 40 per cent during the first decade, then falling off very greatly between 1889 and 1899, and increasing slightly during the decade just ended, the final figure for the 30-year period being a little over four-fifths as great as at the beginning. Wheat occupied a considerably greater acreage in 1899 than in 1879, but has fallen off more than half during the past 10 years.

Buckwheat, after decreasing more than 50 per cent during the decade from 1879 to 1889, has since that time increased to an acreage greater than in 1879. The acreage of hay and forage has increased during every decade and in 1909 was nearly twice as great as in 1879. The acreage of potatoes during the two decades from 1889 to 1909 increased over 55 per cent. The acreage of all the cereals decreased during the last decade from 1,307,428 acres to 1,038,931, or 20.5 per cent. During the same time there was an increase of 17.8 per cent in the acreage of hay and forage.

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

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

| CROP.             | PER CENT OF FARMS REPORTING. |      | PER CENT OF IMPROVED LAND. |      | Per cent of increase in acres: 1899 to 1909 <sup>1</sup> | AVERAGE YIELD PER ACRE. | AVERAGE VALUE PER ACRE. |
|-------------------|------------------------------|------|----------------------------|------|--|-------------------------|-------------------------|
|                   | 1909                         | 1899 | 1909                       | 1899 |  | 1909                    | 1909                    |
| Corn.....         | 85.0                         | 88.8 | 12.2                       | 13.2 | -6.7   | 25.3 Bu.                | \$17.61                 |
| Oats.....         | 23.2                         | 22.4 | 1.0                        | 1.8  | 4.3  | 16.7 Bu.                | 8.79                    |
| Wheat.....        | 23.1                         | 50.4 | 3.8                        | 8.1  | -53.3  | 12.3 Bu.                | 12.89                   |
| Buckwheat.....    | 9.3                          | 7.5  | 0.6                        | 0.4  | 55.6   | 16.0 Bu.                | 10.54                   |
| Rye.....          | 2.9                          | 3.2  | 0.3                        | 0.3  | 14.0   | 9.5 Bu.                 | 7.80                    |
| Hay and forage... | 64.0                         | 69.7 | 12.8                       | 10.9 | 17.8   | 0.90 Ton.               | 10.57                   |
| Potatoes.....     | 84.1                         | 75.3 | 0.8                        | 0.6  | 41.5   | 95.7 Bu.                | 53.46                   |
| Tobacco.....      | 9.6                          | 5.4  | 0.3                        | 0.1  | 249.5  | 800.8 Lbs.              | 107.27                  |

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

Out of every 100 farms 86 report corn, 84 report potatoes, 64 report hay and forage, 23 report oats and wheat, and about 10 report tobacco. There has been a falling off in the proportion reporting wheat, corn, hay and forage, and rye, and an increase in the proportion reporting potatoes, tobacco, buckwheat, and oats. About one-eighth of the improved land is in corn, and another eighth in hay and forage. The eight crops shown in the preceding table cover a little less than one-third of the total improved land of the state.

The average value per acre of all the cereals combined is \$15.40, an amount nearly 50 per cent greater than the average for hay and forage. The average value per acre of potatoes is nearly three and one-half times and that of tobacco nearly seven times as great as the average of the combined cereals.

Corn, although grown in every county of the state, has its greatest acreage in a group of counties in the west central portion and in Jefferson and Berkeley Counties at the extreme eastern end of the state. The greatest decreases in acreage are mostly in the northwestern part of the state. The greatest acreages of oats are found in the northern and western parts of the state. Hay and forage acreages are quite uniformly distributed over the state, as are also the increases, there being but seven scattered counties showing decreases. The cultivation of tobacco is confined to a few counties, nearly 90 per cent of the total acreage of this crop being reported from six counties in the westernmost part of the state.

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

In 1909 the total acreage of potatoes and other vegetables was 88,224 and their value \$6,968,618. Excluding (so far as separately reported <sup>1</sup>) potatoes and sweet potatoes and yams, the acreage of vegetables was 43,524 and their value \$4,520,000, both acreage and value being decidedly greater than in 1899.

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

The raising of flowers and plants and of nursery products was also of some importance in West Virginia, 489 acres being devoted to them in 1909 and the output being valued at \$157,645.

production of grapes in 1909 amounted to 3,224,751 pounds, valued at \$92,834, and that of nuts to 974,312 pounds, valued at \$16,049.

| CROP.  | FARMS REPORTING: 1909 |                        | ACRES. |        | VALUE OF PRODUCTS. |             |
|--|-----------------------|------------------------|--------|--------|--------------------|-------------|
|  | Number.               | Per cent of all farms. | 1909   | 1899   | 1909               | 1899        |
| Vegetables, other than potatoes and sweet potatoes and yams, total | 85,438                | 38.4                   | 43,524 | 29,290 | \$4,519,884        | \$1,697,028 |
| Farms reporting a product of \$500 or over                         | 209                   | 0.2                    | 1,759  |        | 193,266            |             |
| All other farms  | 85,229                | 38.2                   | 41,765 |        | 4,326,618          |             |
| Flowers and plants, total  | 99                    | 0.1                    | 25     | 39     | 78,377             | 44,384      |
| Farms reporting a product of \$250 or over                         | 22                    | (*)                    |        |        | 75,257             |             |
| All other farms  | 77                    | 0.1                    |        |        | 3,120              |             |
| Nursery products, total  | 71                    | 0.1                    | 464    | 547    | 79,268             | 61,700      |
| Farms reporting a product of \$250 or over                         | 14                    | (*)                    |        |        | 70,761             |             |
| All other farms  | 57                    | 0.1                    |        |        | 2,507              |             |

\* Does not include 4,240 farms which reported that they had vegetable gardens, but gave no information as to their products.  
 † Less than one-tenth of 1 per cent.

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

| CROP.                        | Number of farms reporting: 1909 | ACRES. |       | Quantity (quarts): 1909 | Value: 1909 |
|------------------------------|---------------------------------|--------|-------|-------------------------|-------------|
|                              |                                 | 1909   | 1899  |                         |             |
| Small fruits, total          |                                 | 2,913  | 1,994 | 2,336,562               | \$191,002   |
| Strawberries                 | 2,408                           | 709    | 799   | 812,049                 | 74,778      |
| Blackberries and dewberries  | 3,829                           | 1,292  | 367   | 803,498                 | 48,864      |
| Raspberries and loganberries | 3,905                           | 847    | 704   | 648,174                 | 60,749      |
| Currants                     | 658                             | 30     | 50    | 34,009                  | 3,153       |
| Gooseberries                 | 784                             | 30     | 59    | 35,632                  | 3,238       |
| Other berries                | 2                               | 5      | 15    | 3,200                   | 230         |

Strawberries are the most important in quantity and value of the small fruits raised in West Virginia, with blackberries and dewberries ranking second in quantity and third in value, while raspberries and loganberries are third in quantity but second in value. The total acreage of small fruits in 1909 was 2,913, and in 1899, 1,994, an increase of 46.1 per cent. The production in 1909 was 2,337,000 quarts, as compared with 2,388,000 quarts in 1899, and the value was \$191,000 in 1909, as compared with \$149,000 in 1899.

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

The total quantity of orchard fruits produced in 1909 was 4,710,000 bushels, valued at \$3,040,000. Apples contributed about nine-tenths of this quantity, peaches and nectarines most of the remainder. The

| CROP.                      | TREES OR VINES OF BEARING AGE: 1910 |           | TREES OR VINES NOT OF BEARING AGE: 1910 |             | PRODUCTS.              |           |                        |
|----------------------------|-------------------------------------|-----------|---|-------------|------------------------|-----------|------------------------|
|                            | Farms reporting.                    | Number.   | Farms reporting.                        | Number.     | Quantity. <sup>1</sup> | Value.    | Quantity. <sup>1</sup> |
| Orchard fruits, total      | 6,770,384                           | 4,589,887 | 4,700,959                               | \$3,040,102 | 7,642,183              |           |                        |
| Apples                     | 76,122                              | 4,570,948 | 46,837                                  | 2,772,025   | 4,225,163              | 2,461,074 | 7,465,743              |
| Peaches and nectarines     | 34,903                              | 1,424,582 | 20,703                                  | 1,441,188   | 328,901                | 368,584   | 18,100                 |
| Pears                      | 25,720                              | 154,908   | 20,128                                  | 102,820     | 29,916                 | 32,101    | 10,475                 |
| Plums and prunes           | 22,095                              | 234,859   | 12,096                                  | 125,078     | 32,948                 | 45,522    | 10,123                 |
| Cherries                   | 30,539                              | 332,420   | 12,277                                  | 124,597     | 79,723                 | 111,043   | 87,828                 |
| Apricots                   | 599                                 | 1,947     | 380                                     | 1,201       | 124                    | 185       | 145                    |
| Quinces                    | 10,439                              | 50,708    | 4,027                                   | 22,702      | 13,163                 | 18,676    | (*)                    |
| Mulberries                 | 2                                   | 3         |   |             | 21                     | 7         | (*)                    |
| Unclassified               |                                     |           |   |             |                        |           | \$1,779                |
| Grapes                     | 25,733                              | 284,074   | 6,769                                   | 76,465      | 3,224,751              | 92,834    | 2,192,147              |
| Nuts, total                |                                     | 42,187    |   | 12,903      | 4,974,312              | 16,049    | 502,900                |
| Persian or English walnuts | 121                                 | 3,035     | 59                                      | 1,481       | 17,337                 | 2,153     |                        |
| Black walnuts              | 1,337                               | 32,495    | 225                                     | 9,682       | 878,216                | 11,430    | (*)                    |
| Chestnuts                  | 211                                 | 4,830     | 14                                      | 1,536       | 40,580                 | 1,830     | (*)                    |
| Unclassified               |                                     |           |   |             |                        |           | \$502,900              |
| Tropical fruits, (figs)    | 26                                  | 225       | 17                                      | 1,428       | 950                    | 47        |                        |

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

The production of all orchard fruits together in 1909 was 38.4 per cent less in quantity than that in 1899, while the production of grapes increased materially. The value of orchard fruits, however, increased from \$2,156,000 in 1899 to \$3,040,000 in 1909, and that of grapes from \$50,874 in 1899 to \$92,834 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to the products in their original condition.

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

| PRODUCT.             | FARMS REPORTING: 1909 |                        | QUANTITY PRODUCED. |         |           |
|----------------------|-----------------------|------------------------|--------------------|---------|-----------|
|                      | Number.               | Per cent of all farms. | Unit.              | 1909    | 1899      |
| Cider                | 3,510                 | 3.6                    | Gals.              | 248,543 | 903,630   |
| Vinegar              | 4,105                 | 4.3                    | Gals.              | 122,502 | 284,729   |
| Wine and grape juice | 943                   | 1.0                    | Gals.              | 15,440  | 17,658    |
| Dried fruits         | 5,792                 | 6.0                    | Lbs.               | 306,927 | 1,843,060 |

Sugar crops: 1909 and 1899.—The next table shows data with regard to maple trees and their products and also for sugar beets and sorghum cane. The total value of sorghum cane and sirup produced in 1909 was \$300,000, as compared with \$190,000 in 1899.

| PRODUCT.                             | FARMS REPORTING. |                        | ACRES.           | PRODUCT. |          |          |
|--------------------------------------|------------------|------------------------|------------------|----------|----------|----------|
|                                      | Number.          | Per cent of all farms. |                  | Amount.  | Unit.    | Value.   |
| Maple sugar and sirup:               |                  |                        |                  |          |          |          |
| Total, 1909.....                     | 1,990            | 2.1                    | 197,274          |          |          | \$46,508 |
| Sugar made.....                      | 905              | 0.9                    |                  | 140,000  | Lbs....  | 15,157   |
| Sirup made.....                      | 1,850            | 1.9                    |                  | 31,176   | Gals.... | 31,411   |
| Total, 1899.....                     | 1,507            | 1.6                    |                  |          |          | 25,271   |
| Sugar made.....                      |                  |                        |                  | 141,550  | Lbs....  | 12,273   |
| Sirup made.....                      |                  |                        |                  | 14,874   | Gals.... | 12,998   |
| Sugar beets, 1909 <sup>1</sup> ..... | 10               | ( <sup>2</sup> )       | ( <sup>3</sup> ) | 45       | Tons...  | 329      |
| Sorghum cane:                        |                  |                        |                  |          |          |          |
| Total, 1909 <sup>4</sup> .....       |                  |                        |                  |          |          | 300,218  |
| Cane grown.....                      | 16,720           | 17.3                   | 8,607            | 48,094   | Tons.... |          |
| Sirup made.....                      | 16,719           | 17.3                   |                  | 604,201  | Gals.... | 300,188  |
| Total, 1899.....                     |                  |                        |                  |          |          | 189,935  |
| Cane grown.....                      | 14,834           | 16.0                   | 6,870            | 56,469   | Tons.... |          |
| Cane sold as such.....               |                  |                        |                  | 3,592    | Tons.... | 9,795    |
| Sirup made.....                      |                  |                        |                  | 450,777  | Gals.... | 180,140  |

<sup>1</sup> Number of trees. <sup>2</sup> Less than one-tenth of 1 per cent.  
<sup>3</sup> Used as root forage. <sup>4</sup> Reported in small fractions.  
<sup>5</sup> Includes cane used as coarse forage.

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

received from sale of standing timber in 1909." There were 36,521 farms in West Virginia (37.8 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$4,004,484, as compared with \$2,632,980 in 1899, an increase of 52.1 per cent. Of the value in 1909, \$1,267,504 was reported as that of products used or to be used on the farms themselves, \$2,042,675 as that of products sold or for sale, and \$694,305 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

**Miscellaneous crops: 1909.**—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 1,176 farmers in West Virginia sold, during the year 1909, 5,165 tons of straw, for which they received \$31,416, and that 1,207 farmers sold 4,805 tons of cornstalks and leaves, for which they received \$14,217.

SELECTED FARM EXPENSES AND RECEIPTS.

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

| EXPENSE.        | 1909             |                       |             | 1899             | INCREASE.   |         |           |
|-----------------|------------------|-----------------------|-------------|------------------|-------------|---------|-----------|
|                 | Farms reporting. |                       | Amount.     |                  | Amount.     | Amount. | Per cent. |
|                 | Number.          | Percent of all farms. |             |                  |             |         |           |
| Labor.....      | 43,871           | 45.4                  | \$4,035,764 | \$2,041,560      | \$1,994,204 | 97.7    |           |
| Feed.....       | 37,301           | 38.6                  | 1,938,233   | ( <sup>1</sup> ) |             |         |           |
| Fertilizer..... | 23,907           | 24.8                  | 528,937     | 405,270          | 123,667     | 30.5    |           |

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

Of the amount reported as spent for labor, \$832,000, or 20.6 per cent, is in the form of rent and board and during the decade the total expenditures for labor about doubled. Over two-fifths of the farmers hire labor, and the average amount expended by those hiring is \$91.99.

About two farmers out of every five report some expenditure for feed in 1909, and one out of every four reports the purchase of fertilizer. The average

expenditure for fertilizer per farm reporting is \$22.07, or about one and one-third times as much as was thus spent in 1899.

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

| CROP.                      | FARMS REPORTING. |                        | QUANTITY SOLD. |         | Amount received. |
|----------------------------|------------------|------------------------|----------------|---------|------------------|
|                            | Number.          | Per cent of all farms. | Amount.        | Unit.   |                  |
| Total.....                 |                  |                        |                |         | \$1,212,228      |
| Corn.....                  | 11,408           | 11.8                   | 951,941        | Bu..... | 675,879          |
| Oats.....                  | 2,101            | 2.2                    | 94,707         | Bu..... | 50,561           |
| Barley.....                | 8                | ( <sup>1</sup> )       | 446            | Bu..... | 319              |
| Hay and coarse forage..... | 8,008            | 8.3                    | 40,193         | Tons... | 485,469          |

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

While the total amount expended by West Virginia farmers for the purchase of feed in 1909 was \$1,938,000, the total receipts from the sale of feed by those reporting sales amounted to \$1,212,000.

COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirtieth Census, 1910. Tables 1, 2, and 6 are given as

of April 15, 1910. Comparative data for June 1, 1900, are shown in italics for certain items. Tables 3, 4, and 5 show the products of the year 1909.







TABLE 1.—FARMS AND FARM PROPERTY.

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

Table with 8 columns: Location (Jackson, Jefferson, Kanawha, Lewis, Lincoln, Logan, McDowell) and 17 rows of categories. Rows include Population, Number of all farms, Color and nativity of farmers, Number of farms by size, Land and Farm Area, Value of Farm Property, Domestic Animals (farms and ranges), and Poultry and Bees. Each row lists the number of farms and value for each location, with 1900 data in italics.







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

|   |   | THE STATE.    |               |             | Barbour.     | Berkeley.   | Boone.      | Braxton.     | Brooke.     |
|---|---|---------------|---------------|-------------|--------------|-------------|-------------|--------------|-------------|
|   |   | Total.        | White.        | Colored.    |              |             |             |              |             |
| <b>FARMS OPERATED BY OWNERS</b>                 |   |               |               |             |              |             |             |              |             |
| 1   | Number of farms.....                          | 75,978        | 75,420        | 558         | 1,783        | 846         | 671         | 2,316        | 307         |
| 2   | <i>Number of farms in 1900.....</i>           | <i>71,529</i> | <i>70,995</i> | <i>534</i>  | <i>1,747</i> | <i>826</i>  | <i>720</i>  | <i>2,071</i> | <i>296</i>  |
| 3   | Per cent of all farms.....                    | 78.6          | 78.6          | 78.8        | 88.0         | 65.7        | 57.3        | 80.7         | 65.6        |
| 4   | <i>Per cent of all farms in 1900.....</i>     | <i>77.0</i>   | <i>77.1</i>   | <i>72.0</i> | <i>88.8</i>  | <i>64.9</i> | <i>58.6</i> | <i>80.8</i>  | <i>61.7</i> |
| 5   | Land in farms.....acres                       | 8,184,195     | 8,158,238     | 25,957      | 173,044      | 88,030      | 66,693      | 234,644      | 32,552      |
| 6   | Improved land in farms.....acres              | 4,606,103     | 4,591,581     | 14,522      | 117,255      | 62,787      | 22,243      | 131,435      | 22,987      |
| 7   | Value of land and buildings.....dollars       | 207,994,468   | 207,260,207   | 738,261     | 5,081,508    | 3,314,222   | 1,418,439   | 5,042,194    | 1,858,475   |
| <b>Degree of ownership:</b>                     |   |               |               |             |              |             |             |              |             |
| 8   | Farms consisting of owned land only.....      | 68,318        | 67,831        | 487         | 1,642        | 810         | 590         | 2,051        | 281         |
| 9   | Farms consisting of owned and hired land..... | 7,660         | 7,589         | 71          | 141          | 30          | 81          | 265          | 26          |
| <b>Color and nativity of owners:</b>            |   |               |               |             |              |             |             |              |             |
| 10  | Native white.....                             | 74,674        | 74,674        |             | 1,683        | 814         | 658         | 2,293        | 294         |
| 11  | Foreign-born white.....                       | 746           | 746           |             | 13           | 5           |             | 9            | 12          |
| 12  | Negro and other nonwhite.....                 | 558           |               | 558         | 87           | 27          | 13          | 14           | 1           |
| <b>FARMS OPERATED BY TENANTS</b>                |   |               |               |             |              |             |             |              |             |
| 13  | Number of farms.....                          | 19,835        | 19,692        | 143         | 213          | 398         | 497         | 537          | 152         |
| 14  | <i>Number of farms in 1900.....</i>           | <i>20,291</i> | <i>20,091</i> | <i>200</i>  | <i>221</i>   | <i>435</i>  | <i>503</i>  | <i>452</i>   | <i>172</i>  |
| 15  | Per cent of all farms.....                    | 20.5          | 20.5          | 20.2        | 10.5         | 30.9        | 42.4        | 18.7         | 32.5        |
| 16  | <i>Per cent of all farms in 1900.....</i>     | <i>21.8</i>   | <i>21.8</i>   | <i>20.9</i> | <i>11.0</i>  | <i>34.2</i> | <i>41.4</i> | <i>18.8</i>  | <i>35.8</i> |
| 17  | Land in farms.....acres                       | 1,557,745     | 1,549,816     | 7,929       | 20,690       | 62,243      | 21,905      | 27,085       | 18,121      |
| 18  | Improved land in farms.....acres              | 781,820       | 776,887       | 5,133       | 11,868       | 48,184      | 9,159       | 12,609       | 12,076      |
| 19  | Value of land and buildings.....dollars       | 47,280,821    | 46,958,388    | 302,438     | 570,386      | 2,607,875   | 527,742     | 525,370      | 1,027,290   |
| <b>Form of tenancy:</b>                         |   |               |               |             |              |             |             |              |             |
| 20  | Share tenants.....                            | 9,576         | 9,408         | 78          | 106          | 319         | 188         | 219          | 46          |
| 21  | Share-cash tenants.....                       | 923           | 921           | 2           | 11           | 7           | 7           | 34           | 4           |
| 22  | Cash tenants.....                             | 8,560         | 8,498         | 62          | 96           | 77          | 294         | 279          | 66          |
| 23  | Tenure not specified.....                     | 776           | 775           | 1           |              | 1           | 8           | 5            | 36          |
| <b>Color and nativity of tenants:</b>           |   |               |               |             |              |             |             |              |             |
| 24  | Native white.....                             | 19,606        | 19,606        |             | 207          | 392         | 492         | 532          | 139         |
| 25  | Foreign-born white.....                       | 86            | 86            |             |              |             |             |              | 13          |
| 26  | Negro and other nonwhite.....                 | 143           |               | 143         | 6            | 6           | 5           | 5            |             |
| <b>FARMS OPERATED BY MANAGERS</b>               |   |               |               |             |              |             |             |              |             |
| 27  | Number of farms.....                          | 872           | 865           | 7           | 30           | 44          | 4           | 17           | 9           |
| 28  | <i>Number of farms in 1900.....</i>           | <i>1,051</i>  | <i>1,016</i>  | <i>8</i>    | <i>45</i>    | <i>11</i>   |             | <i>10</i>    | <i>12</i>   |
| 29  | Land in farms.....acres                       | 284,502       | 283,847       | 655         | 6,876        | 8,943       | 262         | 3,452        | 1,790       |
| 30  | Improved land in farms.....acres              | 133,834       | 133,232       | 602         | 5,400        | 5,943       | 150         | 1,699        | 1,814       |
| 31  | Value of land and buildings.....dollars       | 9,135,695     | 9,099,970     | 35,695      | 320,085      | 390,368     | 8,050       | 80,230       | 165,155     |
| <b>MORTGAGE DEBT REPORTS</b>                    |   |               |               |             |              |             |             |              |             |
| <b>For all farms operated by owners:</b>        |   |               |               |             |              |             |             |              |             |
| 32  | Number free from mortgage debt.....           | 66,093        | 65,614        | 479         | 1,603        | 687         | 631         | 2,135        | 230         |
| 33  | Number with mortgage debt.....                | 9,525         | 9,447         | 78          | 177          | 157         | 30          | 179          | 72          |
| 34  | Number with no mortgage report.....           | 360           | 359           | 1           | 3            | 2           | 10          | 2            | 5           |
| <b>For farms consisting of owned land only:</b> |   |               |               |             |              |             |             |              |             |
| 35  | Number reporting debt and amount.....         | 7,878         | 7,811         | 67          | 152          | 144         | 25          | 144          | 54          |
| 36  | Value of their land and buildings.....dollars | 21,549,125    | 21,422,516    | 126,609     | 393,600      | 760,917     | 49,330      | 285,295      | 264,715     |
| 37  | Amount of mortgage debt.....dollars           | 5,592,533     | 5,561,323     | 31,210      | 81,487       | 270,635     | 6,529       | 64,475       | 88,359      |
| 38  | Per cent of value of land and buildings.....  | 26.0          | 26.0          | 24.7        | 20.7         | 35.6        | 13.2        | 22.6         | 33.4        |

<sup>1</sup>No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC

| <b>LIVE STOCK PRODUCTS</b>                  |   |            |  |  |           |         |         |           |         |
|---|---|------------|--|--|-----------|---------|---------|-----------|---------|
| <b>Dairy Products</b>                       |   |            |  |  |           |         |         |           |         |
| 1   | Dairy cows on farms reporting dairy products.....number                   | 228,569    |  |  | 4,546     | 3,602   | 2,134   | 6,779     | 1,886   |
| 2   | Dairy cows on farms reporting milk produced.....number                    | 225,157    |  |  | 4,797     | 3,460   | 2,131   | 6,763     | 1,584   |
| 3   | Milk—Produced.....gallons   | 71,230,033 |  |  | 1,465,784 | 945,306 | 665,042 | 1,963,822 | 535,071 |
| 4   | Sold.....gallons  | 4,050,741  |  |  | 23,566    | 126,883 | 926     | 12,592    | 168,020 |
| 5   | Cream sold.....gallons  | 104,696    |  |  |           | 11,726  |         | 757       | 6,727   |
| 6   | Butter fat sold.....pounds  | 8,421      |  |  |           |         |         |           |         |
| 7   | Butter—Produced.....pounds  | 18,969,699 |  |  | 389,473   | 284,172 | 234,361 | 479,213   | 150,913 |
| 8   | Sold.....pounds   | 7,077,664  |  |  | 173,123   | 175,540 | 13,996  | 110,386   | 101,828 |
| 9   | Cheese—Produced.....pounds  | 70,473     |  |  | 401       | 700     |         | 340       |         |
| 10  | Sold.....pounds   | 55,363     |  |  | 60        | 500     |         | 120       |         |
| 11  | Value of dairy products, excluding home use of milk and cream.....dollars | 5,000,138  |  |  | 85,939    | 87,701  | 48,350  | 98,251    | 76,641  |
| 12  | Receipts from sale of dairy products.....dollars                          | 2,532,324  |  |  | 41,739    | 66,171  | 3,454   | 26,320    | 63,999  |
| <b>Poultry Products</b>                     |   |            |  |  |           |         |         |           |         |
| 13  | Poultry—Raised.....number   | 5,115,305  |  |  | 111,978   | 135,833 | 57,566  | 128,711   | 43,572  |
| 14  | Sold.....number   | 2,009,220  |  |  | 46,216    | 40,565  | 13,114  | 55,947    | 19,391  |
| 15  | Eggs—Produced.....dozens  | 18,074,410 |  |  | 350,519   | 378,555 | 141,883 | 369,314   | 121,177 |
| 16  | Sold.....dozens   | 11,702,888 |  |  | 217,778   | 288,023 | 60,529  | 235,178   | 75,939  |
| 17  | Value of poultry and eggs produced.....dollars                            | 5,630,233  |  |  | 114,035   | 131,869 | 38,416  | 120,636   | 51,600  |
| 18  | Receipts from sale of poultry and eggs.....dollars                        | 3,210,798  |  |  | 64,528    | 78,224  | 13,047  | 72,578    | 29,107  |
| <b>Honey and Wax</b>                        |   |            |  |  |           |         |         |           |         |
| 19  | Honey produced.....pounds   | 1,550,739  |  |  | 22,133    | 49,958  | 39,375  | 65,582    | 7,075   |
| 20  | Wax produced.....pounds   | 11,090     |  |  | 301       | 43      | 507     | 265       | 76      |
| 21  | Value of honey and wax produced.....dollars                               | 231,630    |  |  | 4,148     | 5,158   | 4,855   | 10,244    | 808     |
| <b>Wool, Mohair, and Goat Hair</b>          |   |            |  |  |           |         |         |           |         |
| 22  | Wool, fleeces shorn.....number  | 508,605    |  |  | 5,864     | 8,627   | 1,333   | 13,044    | 13,301  |
| 23  | Mohair and goat hair, fleeces shorn.....number                            | 3,248      |  |  | 46        | 4       |         | 49        |         |
| 24  | Value of wool and mohair produced.....dollars                             | 764,946    |  |  | 8,081     | 13,385  | 1,022   | 16,254    | 28,965  |
| <b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b> |   |            |  |  |           |         |         |           |         |
| 25  | Calves—Sold or slaughtered.....number                                     | 63,923     |  |  | 956       | 2,159   | 769     | 1,163     | 865     |
| 26  | Other cattle—Sold or slaughtered.....number                               | 270,486    |  |  | 9,287     | 2,481   | 1,715   | 6,768     | 669     |
| 27  | Horses, mules, and asses and burros—Sold.....number                       | 21,939     |  |  | 552       | 555     | 231     | 662       | 62      |
| 28  | Swine—Sold or slaughtered.....number                                      | 328,351    |  |  | 7,667     | 9,996   | 3,844   | 7,357     | 2,374   |
| 29  | Sheep and goats—Sold or slaughtered.....number                            | 419,295    |  |  | 5,674     | 7,995   | 2,444   | 15,250    | 2,772   |
| 30  | Receipts from sale of animals.....dollars                                 | 14,159,182 |  |  | 484,939   | 237,425 | 63,574  | 330,071   | 54,811  |
| 31  | Value of animals slaughtered.....dollars                                  | 4,296,936  |  |  | 104,029   | 112,915 | 46,874  | 109,267   | 22,444  |



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

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

|   | Jackson.                                 | Jefferson.   | Kanawha.    | Lewis.       | Lincoln.     | Logan.       | McDowell.   |             |
|---|--|--------------|-------------|--------------|--------------|--------------|-------------|-------------|
| <b>FARMS OPERATED BY OWNERS</b>                 |  |              |             |              |              |              |             |             |
| 1   | Number of farms                          | 2,634        | 458         | 2,669        | 1,487        | 1,848        | 569         | 373         |
| 2   | Number of farms in 1900                  | <i>2,460</i> | <i>435</i>  | <i>2,145</i> | <i>1,591</i> | <i>1,560</i> | <i>492</i>  | <i>413</i>  |
| 3   | Per cent of all farms                    | 83.8         | 54.8        | 70.1         | 81.9         | 62.9         | 51.3        | 42.4        |
| 4   | Per cent of all farms in 1900            | <i>79.7</i>  | <i>55.4</i> | <i>71.2</i>  | <i>82.2</i>  | <i>64.6</i>  | <i>52.3</i> | <i>52.9</i> |
| 5   | Land in farms                            | 255,153      | 53,048      | 196,953      | 209,800      | 155,634      | 57,584      | 32,068      |
| 6   | Improved land in farms                   | 183,996      | 47,627      | 111,425      | 159,706      | 70,057       | 15,753      | 8,559       |
| 7   | Value of land and buildings              | 5,414,784    | 4,126,524   | 5,473,916    | 7,557,531    | 2,502,300    | 1,950,325   | 764,974     |
| <b>Degree of ownership:</b>                     |  |              |             |              |              |              |             |             |
| 8   | Farms consisting of owned land only      | 2,279        | 424         | 2,371        | 1,300        | 1,653        | 508         | 359         |
| 9   | Farms consisting of owned and hired land | 355          | 34          | 298          | 187          | 195          | 61          | 14          |
| <b>Color and nativity of owners:</b>            |  |              |             |              |              |              |             |             |
| 10  | Native white                             | 2,622        | 427         | 2,599        | 1,455        | 1,846        | 567         | 368         |
| 11  | Foreign-born white                       | 11           | 1           | 29           | 31           | 1            | 2           | 2           |
| 12  | Negro and other nonwhite                 | 1            | 30          | 41           | 1            | 1            | 2           | 3           |
| <b>FARMS OPERATED BY TENANTS</b>                |  |              |             |              |              |              |             |             |
| 13  | Number of farms                          | 501          | 365         | 1,115        | 309          | 1,082        | 541         | 506         |
| 14  | Number of farms in 1900                  | <i>608</i>   | <i>534</i>  | <i>834</i>   | <i>256</i>   | <i>842</i>   | <i>445</i>  | <i>361</i>  |
| 15  | Per cent of all farms                    | 15.9         | 43.7        | 29.3         | 17.0         | 36.9         | 48.7        | 57.5        |
| 16  | Per cent of all farms in 1900            | <i>19.6</i>  | <i>42.5</i> | <i>27.7</i>  | <i>12.2</i>  | <i>54.9</i>  | <i>47.3</i> | <i>49.3</i> |
| 17  | Land in farms                            | 26,805       | 65,569      | 48,549       | 27,780       | 35,062       | 41,837      | 96,091      |
| 18  | Improved land in farms                   | 18,894       | 55,253      | 22,764       | 18,521       | 18,126       | 8,282       | 8,905       |
| 19  | Value of land and buildings              | 632,512      | 4,233,811   | 1,722,979    | 933,949      | 609,987      | 1,597,397   | 3,957,832   |
| <b>Form of tenancy:</b>                         |  |              |             |              |              |              |             |             |
| 20  | Share tenants                            | 334          | 300         | 406          | 30           | 727          | 304         | 40          |
| 21  | Share-cash tenants                       | 26           | 6           | 40           | 35           | 30           | 82          | 2           |
| 22  | Cash tenants                             | 134          | 58          | 617          | 209          | 312          | 154         | 454         |
| 23  | Tenure not specified                     | 7            | 1           | 52           | 35           | 13           | 1           | 10          |
| <b>Color and nativity of tenants:</b>           |  |              |             |              |              |              |             |             |
| 24  | Native white                             | 501          | 353         | 1,094        | 309          | 1,081        | 537         | 500         |
| 25  | Foreign-born white                       | 1            | 1           | 6            | 1            | 1            | 1           | 1           |
| 26  | Negro and other nonwhite                 | 1            | 11          | 15           | 1            | 1            | 3           | 5           |
| <b>FARMS OPERATED BY MANAGERS</b>               |  |              |             |              |              |              |             |             |
| 27  | Number of farms                          | 10           | 13          | 23           | 19           | 6            | 1           | 1           |
| 28  | Number of farms in 1900                  | <i>22</i>    | <i>16</i>   | <i>32</i>    | <i>109</i>   | <i>13</i>    | <i>3</i>    | <i>6</i>    |
| 29  | Land in farms                            | 2,788        | 2,169       | 6,900        | 5,513        | 1,166        | 1,166       | 25          |
| 30  | Improved land in farms                   | 1,724        | 1,879       | 1,684        | 3,600        | 640          | 640         | 15          |
| 31  | Value of land and buildings              | 60,310       | 136,000     | 491,435      | 200,460      | 37,500       | 200         | 200         |
| <b>MORTGAGE DEBT REPORTS<sup>1</sup></b>        |  |              |             |              |              |              |             |             |
| <b>For all farms operated by owners:</b>        |  |              |             |              |              |              |             |             |
| 32  | Number free from mortgage debt           | 2,057        | 299         | 2,435        | 1,305        | 1,654        | 549         | 360         |
| 33  | Number with mortgage debt                | 576          | 155         | 222          | 175          | 176          | 16          | 7           |
| 34  | Number with no mortgage report           | 1            | 1           | 12           | 7            | 18           | 4           | 6           |
| <b>For farms consisting of owned land only:</b> |  |              |             |              |              |              |             |             |
| 35  | Number reporting debt and amount         | 403          | 135         | 187          | 136          | 141          | 11          | 6           |
| 36  | Value of their land and buildings        | 845,744      | 1,203,925   | 307,877      | 632,545      | 152,800      | 19,080      | 13,000      |
| 37  | Amount of mortgage debt                  | 193,542      | 332,747     | 60,796       | 151,065      | 38,082       | 4,570       | 3,610       |
| 38  | Per cent of value of land and buildings  | 22.9         | 27.6        | 19.7         | 23.9         | 24.9         | 24.0        | 27.8        |

<sup>1</sup> No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

| <b>LIVE STOCK PRODUCTS</b>                  |   |         |           |         |           |           |           |         |         |
|---|---|---------|-----------|---------|-----------|-----------|-----------|---------|---------|
| <b>Dairy Products</b>                       |   |         |           |         |           |           |           |         |         |
| 1   | Dairy cows on farms reporting dairy products                  | number  | 7,268     | 3,214   | 7,321     | 5,613     | 4,103     | 1,708   | 1,603   |
| 2   | Dairy cows on farms reporting milk produced                   | number  | 7,259     | 3,125   | 7,106     | 5,571     | 4,062     | 1,705   | 1,589   |
| 3   | Milk—Produced   | gallons | 2,249,601 | 820,751 | 2,538,405 | 1,583,705 | 1,343,874 | 467,443 | 413,675 |
| 4   | Sold  | gallons | 18,696    | 21,139  | 184,089   | 45,085    | 5,334     | 14,982  | 17,693  |
| 5   | Cream sold  | gallons | 135       | 4,405   | 6,169     | 1,701     |           |         |         |
| 6   | Butter fat sold   | pounds  |           |         |           |           |           |         |         |
| 7   | Butter—Produced   | pounds  | 584,938   | 226,610 | 828,235   | 355,236   | 466,933   | 140,776 | 121,987 |
| 8   | Sold  | pounds  | 170,008   | 134,202 | 279,532   | 120,484   | 33,122    | 9,253   | 15,187  |
| 9   | Cheese—Produced   | pounds  | 256       |         | 692       |           |           |         | 100     |
| 10  | Sold  | pounds  | 20        |         | 187       |           |           |         |         |
| 11  | Value of dairy products, excluding home use of milk and cream | dollars | 114,639   | 52,826  | 247,818   | 79,075    | 98,701    | 30,955  | 33,831  |
| 12  | Receipts from sale of dairy products                          | dollars | 30,607    | 34,324  | 118,622   | 35,595    | 8,970     | 4,768   | 7,596   |
| <b>Poultry Products</b>                     |   |         |           |         |           |           |           |         |         |
| 13  | Poultry—Raised  | number  | 168,413   | 105,249 | 212,280   | 117,252   | 122,085   | 52,218  | 37,027  |
| 14  | Sold  | number  | 77,888    | 26,977  | 82,143    | 39,871    | 36,820    | 17,351  | 13,034  |
| 15  | Eggs—Produced   | dozens  | 967,324   | 316,130 | 714,249   | 324,885   | 444,809   | 81,238  | 54,312  |
| 16  | Sold  | dozens  | 812,317   | 227,225 | 433,826   | 170,603   | 272,427   | 34,585  | 18,261  |
| 17  | Value of poultry and eggs produced                            | dollars | 204,823   | 104,873 | 225,779   | 112,783   | 99,529    | 27,255  | 28,197  |
| 18  | Receipts from sale of poultry and eggs                        | dollars | 200,219   | 60,378  | 117,527   | 60,435    | 51,683    | 10,717  | 10,015  |
| <b>Honey and Wax</b>                        |   |         |           |         |           |           |           |         |         |
| 19  | Honey produced  | pounds  | 61,614    | 12,988  | 47,500    | 30,824    | 31,964    | 36,133  | 25,704  |
| 20  | Wax produced  | pounds  | 82        | 5       | 229       | 69        | 205       | 606     | 57      |
| 21  | Value of honey and wax produced                               | dollars | 7,432     | 1,523   | 6,970     | 6,045     | 4,536     | 4,228   | 4,300   |
| <b>Wool, Mohair, and Goat Hair</b>          |   |         |           |         |           |           |           |         |         |
| 22  | Wool, fleeces shorn   | number  | 13,549    | 13,048  | 2,169     | 17,665    | 1,930     | 1,124   | 1,909   |
| 23  | Mohair and goat hair, fleeces shorn                           | number  | 33        |         | 308       | 144       |           |         |         |
| 24  | Value of wool and mohair produced                             | dollars | 22,185    | 20,211  | 2,862     | 23,183    | 1,580     | 747     | 1,854   |
| <b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b> |   |         |           |         |           |           |           |         |         |
| 25  | Calves—Sold or slaughtered                                    | number  | 1,163     | 1,042   | 2,267     | 787       | 1,225     | 607     | 697     |
| 26  | Other cattle—Sold or slaughtered                              | number  | 9,571     | 2,683   | 5,494     | 13,070    | 2,363     | 1,461   | 775     |
| 27  | Horses, mules, and asses and burros—Sold                      | number  | 926       | 775     | 523       | 500       | 616       | 81      | 183     |
| 28  | Pigs—Sold or slaughtered                                      | number  | 9,393     | 12,588  | 8,397     | 6,473     | 5,529     | 2,895   | 1,883   |
| 29  | Sheep and goats—Sold or slaughtered                           | number  | 9,097     | 6,939   | 1,766     | 20,102    | 1,225     | 218     | 624     |
| 30  | Receipts from sale of animals                                 | dollars | 478,902   | 316,263 | 235,325   | 676,380   | 126,675   | 43,346  | 40,224  |
| 31  | Value of animals slaughtered                                  | dollars | 115,469   | 79,982  | 117,840   | 92,910    | 88,126    | 34,910  | 23,493  |





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

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

|   | Pleasants.  | Pocahontas. | Preston.    | Putnam.      | Raleigh.     | Randolph.    | Ritchie.     |
|---|---|-------------|-------------|--------------|--------------|--------------|--------------|
| <b>FARMS OPERATED BY OWNERS</b>                 |   |             |             |              |              |              |              |
| 1   | Number of farms.....                                | 681         | 1,059       | 2,561        | 1,662        | 1,522        | 1,844        |
| 2   | Number of farms in 1900.....                        | <i>716</i>  | <i>900</i>  | <i>2,537</i> | <i>1,451</i> | <i>1,444</i> | <i>1,933</i> |
| 3   | Per cent of all farms.....                          | 76.1        | 88.4        | 90.3         | 72.9         | 82.0         | 81.8         |
| 4   | Per cent of all farms in 1900.....                  | <i>74.0</i> | <i>85.6</i> | <i>85.7</i>  | <i>67.4</i>  | <i>80.8</i>  | <i>83.5</i>  |
| 5   | Land in farms..... acres.....                       | 56,595      | 190,709     | 282,150      | 150,706      | 109,040      | 205,984      |
| 6   | Improved land in farms..... acres.....              | 39,918      | 68,479      | 149,405      | 92,958       | 53,277       | 80,808       |
| 7   | Value of land and buildings..... dollars.....       | 1,440,231   | 3,376,133   | 6,089,594    | 2,979,146    | 3,740,690    | 4,575,983    |
| <b>Degree of ownership:</b>                     |   |             |             |              |              |              |              |
| 8   | Farms consisting of owned land only.....            | 593         | 1,034       | 2,459        | 1,432        | 1,200        | 1,449        |
| 9   | Farms consisting of owned and hired land.....       | 88          | 25          | 102          | 230          | 56           | 73           |
| <b>Color and nativity of owners:</b>            |   |             |             |              |              |              |              |
| 10  | Native white.....                                   | 672         | 1,085       | 2,506        | 1,646        | 1,442        | 1,884        |
| 11  | Foreign-born white.....                             | 9           | 7           | 50           | 10           | 7            | 10           |
| 12  | Negro and other nonwhite.....                       |             | 17          | 5            | 6            | 2            |              |
| <b>FARMS OPERATED BY TENANTS</b>                |   |             |             |              |              |              |              |
| 13  | Number of farms.....                                | 204         | 106         | 263          | 612          | 335          | 299          |
| 14  | Number of farms in 1900.....                        | <i>242</i>  | <i>142</i>  | <i>406</i>   | <i>701</i>   | <i>472</i>   | <i>509</i>   |
| 15  | Per cent of all farms.....                          | 22.3        | 8.8         | 9.3          | 26.9         | 21.0         | 16.1         |
| 16  | Per cent of all farms in 1900.....                  | <i>25.0</i> | <i>15.5</i> | <i>18.7</i>  | <i>27.5</i>  | <i>27.0</i>  | <i>16.4</i>  |
| 17  | Land in farms..... acres.....                       | 13,192      | 27,492      | 29,532       | 30,000       | 29,558       | 29,217       |
| 18  | Improved land in farms..... acres.....              | 8,594       | 9,717       | 13,783       | 16,963       | 11,601       | 20,433       |
| 19  | Value of land and buildings..... dollars.....       | 359,930     | 413,854     | 581,508      | 637,752      | 1,020,300    | 885,175      |
| <b>Form of tenancy:</b>                         |   |             |             |              |              |              |              |
| 20  | Share tenants.....                                  | 135         | 31          | 127          | 422          | 63           | 105          |
| 21  | Share-cash tenants.....                             | 3           | 3           | 9            | 20           | 6            | 7            |
| 22  | Cash tenants.....                                   | 64          | 49          | 75           | 155          | 210          | 163          |
| 23  | Tenure not specified.....                           | 2           | 23          | 52           | 15           | 56           | 24           |
| <b>Color and nativity of tenants:</b>           |   |             |             |              |              |              |              |
| 24  | Native white.....                                   | 203         | 101         | 257          | 609          | 332          | 290          |
| 25  | Foreign-born white.....                             |             |             | 6            |              |              | 6            |
| 26  | Negro and other nonwhite.....                       | 1           | 5           |              | 3            | 3            | 3            |
| <b>FARMS OPERATED BY MANAGERS</b>               |   |             |             |              |              |              |              |
| 27  | Number of farms.....                                | 10          | 33          | 13           | 5            | 7            | 35           |
| 28  | Number of farms in 1900.....                        | <i>10</i>   | <i>3</i>    | <i>19</i>    | <i>2</i>     | <i>2</i>     | <i>54</i>    |
| 29  | Land in farms..... acres.....                       | 3,769       | 15,670      | 3,601        | 5,041        | 536          | 31,455       |
| 30  | Improved land in farms..... acres.....              | 1,405       | 4,871       | 1,057        | 1,048        | 350          | 13,460       |
| 31  | Value of land and buildings..... dollars.....       | 96,445      | 196,300     | 105,648      | 286,200      | 14,040       | 804,200      |
| <b>MORTGAGE DEBT REPORTS:</b>                   |   |             |             |              |              |              |              |
| <b>For all farms operated by owners:</b>        |   |             |             |              |              |              |              |
| 32  | Number free from mortgage debt.....                 | 550         | 951         | 2,185        | 1,361        | 1,180        | 1,405        |
| 33  | Number with mortgage debt.....                      | 121         | 107         | 368          | 286          | 69           | 107          |
| 34  | Number with no mortgage report.....                 |             | 1           | 8            | 15           | 16           | 10           |
| <b>For farms consisting of owned land only:</b> |   |             |             |              |              |              |              |
| 35  | Number reporting debt and amount.....               | 103         | 99          | 323          | 232          | 53           | 86           |
| 36  | Value of their land and buildings..... dollars..... | 191,720     | 305,705     | 775,009      | 304,832      | 116,440      | 241,900      |
| 37  | Amount of mortgage debt..... dollars.....           | 48,572      | 80,728      | 235,433      | 88,579       | 22,137       | 54,093       |
| 38  | Per cent of value of land and buildings.....        | 25.3        | 26.4        | 30.4         | 29.1         | 19.0         | 22.4         |

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

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

| <b>LIVE STOCK PRODUCTS</b>                  |   |         |         |           |           |           |           |
|---|---|---------|---------|-----------|-----------|-----------|-----------|
| <b>Dairy Products</b>                       |   |         |         |           |           |           |           |
| 1   | Dairy cows on farms reporting dairy products..... number.....                   | 1,917   | 4,348   | 7,055     | 3,927     | 3,770     | 5,184     |
| 2   | Dairy cows on farms reporting milk produced..... number.....                    | 1,917   | 4,272   | 6,987     | 3,894     | 3,707     | 5,159     |
| 3   | Milk—Produced..... gallons.....   | 626,068 | 847,098 | 2,523,248 | 1,247,201 | 1,107,963 | 1,610,457 |
| 4   | Sold..... gallons.....  | 10,833  | 5,117   | 28,290    | 41,050    | 24,534    | 38,061    |
| 5   | Cream sold..... gallons.....  |         | 31      | 1,934     | 3,197     |           | 1,410     |
| 6   | Butter fat sold..... pounds.....  |         |         |           | 7,081     |           |           |
| 7   | Butter—Produced..... pounds.....  | 223,681 | 183,968 | 639,065   | 348,251   | 329,260   | 347,641   |
| 8   | Sold..... pounds.....   | 92,618  | 47,788  | 364,303   | 90,280    | 93,254    | 130,383   |
| 9   | Cheese—Produced..... pounds.....  |         | 777     | 134       | 109       |           | 7,518     |
| 10  | Sold..... pounds.....   |         | 49      | 25        |           |           | 4,463     |
| 11  | Value of dairy products, excluding home use of milk and cream..... dollars..... | 48,633  | 40,512  | 155,900   | 83,778    | 80,039    | 108,352   |
| 12  | Receipts from sale of dairy products..... dollars.....                          | 21,480  | 12,184  | 87,044    | 31,212    | 27,474    | 37,300    |
| <b>Poultry Products</b>                     |   |         |         |           |           |           |           |
| 13  | Poultry—Raised..... number.....   | 43,235  | 61,791  | 130,906   | 108,097   | 109,052   | 86,713    |
| 14  | Sold..... number.....   | 15,849  | 21,031  | 62,884    | 40,384    | 39,208    | 26,690    |
| 15  | Eggs—Produced..... dozens.....  | 153,498 | 160,510 | 641,652   | 547,618   | 227,871   | 283,338   |
| 16  | Sold..... dozens.....   | 105,892 | 63,993  | 413,685   | 404,455   | 102,712   | 146,136   |
| 17  | Value of poultry and eggs produced..... dollars.....                            | 40,458  | 57,162  | 185,297   | 133,123   | 86,748    | 100,191   |
| 18  | Receipts from sale of poultry and eggs..... dollars.....                        | 28,005  | 25,871  | 113,609   | 88,758    | 37,419    | 45,707    |
| <b>Honey and Wax</b>                        |   |         |         |           |           |           |           |
| 19  | Honey produced..... pounds.....   | 11,480  | 30,744  | 43,683    | 23,217    | 50,370    | 32,129    |
| 20  | Wax produced..... pounds.....   | 5       | 331     | 676       | 103       | 366       | 266       |
| 21  | Value of honey and wax produced..... dollars.....                               | 2,034   | 4,581   | 6,706     | 3,647     | 6,992     | 5,439     |
| <b>Wool, Mohair, and Goat Hair</b>          |   |         |         |           |           |           |           |
| 22  | Wool, fleeces shorn..... number.....  | 2,368   | 27,059  | 13,445    | 2,507     | 6,358     | 13,180    |
| 23  | Mohair and goat hair, fleeces shorn..... number.....                            | 16      | 50      | 60        | 30        | 1         | 82        |
| 24  | Value of wool and mohair produced..... dollars.....                             | 3,817   | 34,599  | 20,324    | 3,522     | 6,719     | 19,080    |
| <b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b> |   |         |         |           |           |           |           |
| 25  | Calves—Sold or slaughtered..... number.....                                     | 760     | 434     | 2,911     | 1,191     | 776       | 1,258     |
| 26  | Other cattle—Sold or slaughtered..... number.....                               | 1,711   | 6,810   | 6,136     | 3,384     | 3,773     | 7,871     |
| 27  | Horses, mules, and asses and burros—Sold..... number.....                       | 225     | 286     | 608       | 466       | 244       | 343       |
| 28  | Pigs—Sold or slaughtered..... number.....                                       | 2,674   | 5,259   | 10,615    | 5,383     | 5,196     | 4,943     |
| 29  | Sheep and goats—Sold or slaughtered..... number.....                            | 1,039   | 26,030  | 13,537    | 2,300     | 3,356     | 8,074     |
| 30  | Receipts from sale of animals..... dollars.....                                 | 78,574  | 340,359 | 350,386   | 179,068   | 117,626   | 332,618   |
| 31  | Value of animals slaughtered..... dollars.....                                  | 38,800  | 94,679  | 168,631   | 76,885    | 61,935    | 109,136   |

STATISTICS OF AGRICULTURE.

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

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

|    | Roane.    | Summers.  | Taylor.   | Tucker.   | Tyler.    | Upshur.   | Wayne.    | Webster.  | Wetzel.   | Wirt.     | Wood.     | Wyoming.  |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | 2,354     | 1,679     | 1,026     | 745       | 1,433     | 2,034     | 2,314     | 864       | 1,556     | 1,143     | 2,108     | 761       |
| 2  | 2,803     | 1,449     | 988       | 636       | 1,369     | 1,012     | 2,040     | 826       | 1,629     | 1,147     | 2,181     | 859       |
| 3  | 81.5      | 83.4      | 88.5      | 90.0      | 81.2      | 92.5      | 72.6      | 79.7      | 72.9      | 80.0      | 77.4      | 82.1      |
| 4  | 81.5      | 78.8      | 87.7      | 88.8      | 84.4      | 92.0      | 64.0      | 78.1      | 69.9      | 76.1      | 78.8      | 83.6      |
| 5  | 262,205   | 172,799   | 85,757    | 80,258    | 132,270   | 177,494   | 211,412   | 86,200    | 148,143   | 99,357    | 162,386   | 88,078    |
| 6  | 176,898   | 75,825    | 68,863    | 35,650    | 97,769    | 116,211   | 112,828   | 32,769    | 97,207    | 64,719    | 110,281   | 27,588    |
| 7  | 5,551,035 | 3,078,651 | 3,029,200 | 1,259,140 | 3,590,098 | 4,981,584 | 2,556,401 | 1,368,986 | 4,758,028 | 1,877,431 | 5,034,003 | 2,870,020 |
| 8  | 2,133     | 1,500     | 867       | 724       | 1,267     | 1,928     | 2,139     | 845       | 1,316     | 1,001     | 1,698     | 712       |
| 9  | 221       | 179       | 159       | 21        | 166       | 106       | 175       | 19        | 240       | 142       | 210       | 49        |
| 10 | 2,350     | 1,645     | 984       | 738       | 1,428     | 2,017     | 2,308     | 854       | 1,522     | 1,134     | 2,037     | 759       |
| 11 | 3         | 7         | 10        | 6         | 5         | 13        | 3         | 0         | 34        | 2         | 62        | 2         |
| 12 | 1         | 27        | 32        | 1         | .....     | 4         | 3         | 1         | .....     | 7         | 9         | .....     |
| 13 | 523       | 326       | 123       | 78        | 308       | 155       | 869       | 219       | 571       | 271       | 592       | 688       |
| 14 | 507       | 379       | 126       | 94        | 289       | 149       | 1,141     | 216       | 700       | 374       | 676       | 863       |
| 15 | 18.1      | 16.2      | 10.6      | 9.4       | 17.5      | 7.0       | 27.3      | 20.2      | 26.8      | 19.0      | 21.7      | 47.1      |
| 16 | 17.9      | 20.8      | 11.8      | 12.8      | 14.8      | 7.8       | 35.8      | 20.4      | 30.0      | 24.6      | 20.8      | 30.2      |
| 17 | 23,900    | 19,076    | 10,560    | 9,711     | 20,202    | 12,771    | 28,686    | 22,800    | 41,780    | 21,895    | 40,659    | 67,066    |
| 18 | 15,856    | 8,203     | 7,157     | 3,843     | 13,746    | 7,943     | 16,217    | 5,570     | 24,603    | 10,775    | 26,208    | 13,080    |
| 19 | 478,377   | 342,393   | 333,215   | 132,525   | 510,680   | 362,211   | 421,130   | 302,768   | 1,174,725 | 327,610   | 1,459,355 | 2,176,700 |
| 20 | 330       | 157       | 31        | 33        | 168       | 33        | 615       | 47        | 316       | 147       | 355       | 199       |
| 21 | 49        | 11        | 18        | 2         | 15        | 8         | 23        | 1         | 33        | 9         | 14        | 2         |
| 22 | 143       | 119       | 64        | 38        | 125       | 95        | 220       | 86        | 196       | 114       | 222       | 477       |
| 23 | 1         | 39        | 10        | 5         | .....     | 19        | 11        | 85        | 26        | 1         | 1         | 10        |
| 24 | 522       | 324       | 118       | 78        | 307       | 154       | 862       | 216       | 570       | 271       | 556       | 677       |
| 25 | 1         | .....     | .....     | .....     | 1         | 1         | .....     | 3         | .....     | .....     | 4         | .....     |
| 26 | .....     | 2         | 5         | .....     | .....     | .....     | 7         | .....     | 1         | .....     | 2         | 11        |
| 27 | 10        | 7         | 10        | 5         | 23        | 11        | 5         | 1         | 6         | 15        | 23        | 13        |
| 28 | 15        | 10        | 12        | 32        | 23        | 17        | 8         | 16        | 2         | 7         | 11        | 8         |
| 29 | 1,477     | 545       | 1,428     | 3,345     | 3,560     | 2,763     | 655       | 43        | 574       | 2,882     | 2,521     | 3,469     |
| 30 | 1,055     | 356       | 1,278     | 600       | 2,577     | 389       | 320       | 43        | 489       | 1,376     | 1,528     | 1,012     |
| 31 | 243,430   | 155,620   | 91,450    | 50,750    | 87,020    | 47,500    | 10,200    | 100,000   | 46,140    | 64,360    | 103,700   | 134,990   |
| 32 | 2,068     | 1,548     | 894       | 641       | 1,325     | 1,752     | 2,112     | 790       | 1,339     | 933       | 1,800     | 704       |
| 33 | 281       | 124       | 125       | 101       | 106       | 232       | 183       | 72        | 204       | 205       | 302       | 41        |
| 34 | 5         | 7         | 7         | 3         | 2         | .....     | 19        | 2         | 13        | .....     | 6         | 16        |
| 35 | 250       | 113       | 98        | 61        | 81        | 260       | 142       | 64        | 163       | 173       | 252       | 37        |
| 36 | 620,155   | 191,612   | 216,494   | 111,875   | 191,864   | 435,562   | 149,626   | 111,614   | 487,344   | 203,880   | 582,086   | 173,665   |
| 37 | 148,911   | 48,619    | 50,196    | 31,215    | 49,021    | 94,726    | 41,028    | 31,633    | 138,402   | 68,784    | 172,713   | 18,490    |
| 38 | 24.0      | 25.3      | 23.2      | 27.9      | 25.9      | 21.7      | 27.4      | 28.3      | 28.4      | 23.4      | 20.6      | 10.6      |

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

|    |           |           |         |         |           |           |           |         |           |           |           |         |
|----|-----------|-----------|---------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|---------|
| 1  | 7,106     | 4,998     | 3,153   | 1,836   | 3,864     | 4,717     | 5,109     | 2,050   | 5,174     | 3,102     | 6,872     | 2,976   |
| 2  | 7,103     | 4,982     | 3,124   | 1,239   | 3,841     | 4,703     | 5,099     | 2,041   | 5,106     | 3,092     | 6,830     | 2,971   |
| 3  | 2,128,818 | 1,393,673 | 969,206 | 421,363 | 1,004,820 | 1,412,610 | 1,885,463 | 624,320 | 1,959,158 | 1,110,890 | 2,534,074 | 882,802 |
| 4  | 13,455    | 73,195    | 96,515  | 5,471   | 81,887    | 24,489    | 35,175    | 7,380   | 68,490    | 7,797     | 361,803   | 4,342   |
| 5  | .....     | 98        | .....   | .....   | 2         | 5,596     | .....     | .....   | 62        | .....     | 12,919    | .....   |
| 6  | .....     | .....     | .....   | .....   | .....     | .....     | .....     | .....   | .....     | .....     | .....     | .....   |
| 7  | 584,848   | 401,810   | 256,002 | 132,236 | 466,458   | 348,941   | 549,480   | 139,255 | 608,361   | 323,785   | 735,714   | 295,660 |
| 8  | 70,329    | 172,158   | 143,709 | 58,668  | 233,726   | 116,351   | 107,072   | 24,793  | 237,983   | 89,628    | 474,330   | 27,692  |
| 9  | 880       | .....     | .....   | .....   | .....     | 2,912     | .....     | 505     | 36,351    | .....     | .....     | .....   |
| 10 | .....     | .....     | .....   | .....   | .....     | 1,998     | .....     | 30      | 34,006    | .....     | .....     | .....   |
| 11 | 117,986   | 90,730    | 85,559  | 30,499  | 114,854   | 76,755    | 115,356   | 31,170  | 122,690   | 63,749    | 239,545   | 65,709  |
| 12 | 17,367    | 47,646    | 59,626  | 14,094  | 66,524    | 32,596    | 28,227    | 6,894   | 68,084    | 19,011    | 187,617   | 6,895   |
| 13 | 137,667   | 108,073   | 68,128  | 81,905  | 82,252    | 96,414    | 129,579   | 39,509  | 105,488   | 64,254    | 159,322   | 72,764  |
| 14 | 47,201    | 58,394    | 25,261  | 15,284  | 32,836    | 38,429    | 41,650    | 10,840  | 44,632    | 27,611    | 74,283    | 23,708  |
| 15 | 738,749   | 304,663   | 205,534 | 128,009 | 371,466   | 261,747   | 459,602   | 85,497  | 495,148   | 395,108   | 801,316   | 108,578 |
| 16 | 552,890   | 198,184   | 120,602 | 74,843  | 247,348   | 144,307   | 357,662   | 32,298  | 334,387   | 301,707   | 597,244   | 30,863  |
| 17 | 191,596   | 90,799    | 69,459  | 38,490  | 105,864   | 89,252    | 128,260   | 28,692  | 134,458   | 94,850    | 232,522   | 48,326  |
| 18 | 124,216   | 58,248    | 35,733  | 21,319  | 63,224    | 46,711    | 78,570    | 10,074  | 82,304    | 66,390    | 155,972   | 16,466  |
| 19 | 65,238    | 16,019    | 12,830  | 14,845  | 24,548    | 15,301    | 47,137    | 23,957  | 41,401    | 31,879    | 36,324    | 31,427  |
| 20 | 759       | 126       | 47      | 62      | 35        | 165       | 184       | 438     | 96        | 98        | 60        | 381     |
| 21 | 10,107    | 2,552     | 2,579   | 1,932   | 4,266     | 2,777     | 6,940     | 4,530   | 6,507     | 4,468     | 5,348     | 4,231   |
| 22 | 10,947    | 7,869     | 3,882   | 4,138   | 6,844     | 7,944     | 1,759     | 6,675   | 12,330    | 4,084     | 8,491     | 4,047   |
| 23 | 11        | 122       | 43      | .....   | 155       | 45        | 19        | 75      | 2         | 415       | .....     | .....   |
| 24 | 14,783    | 9,816     | 5,610   | 6,309   | 12,694    | 10,009    | 1,800     | 3,288   | 29,635    | 6,662     | 13,091    | 3,957   |
| 25 | 786       | 1,135     | 885     | 558     | 1,451     | 921       | 2,078     | 499     | 1,773     | 693       | 2,437     | 1,464   |
| 26 | 11,688    | 4,267     | 3,591   | 1,243   | 6,312     | 5,957     | 9,832     | 1,199   | 3,635     | 4,214     | 4,174     | 2,383   |
| 27 | 715       | 323       | 138     | 155     | 435       | 439       | 759       | 188     | 408       | 349       | 384       | 261     |
| 28 | 6,833     | 5,325     | 3,793   | 2,429   | 6,085     | 5,241     | 6,869     | 2,785   | 8,720     | 3,885     | 8,004     | 3,850   |
| 29 | 6,994     | 6,999     | 3,134   | 2,408   | 6,316     | 6,959     | 2,896     | 3,582   | 4,100     | 6,587     | 4,264     | 1,246   |
| 30 | 478,334   | 167,091   | 179,180 | 66,372  | 295,912   | 311,250   | 364,955   | 59,700  | 173,809   | 199,512   | 221,681   | 87,202  |
| 31 | 124,440   | 68,619    | 57,159  | 23,009  | 83,689    | 80,494    | 81,450    | 44,828  | 105,109   | 52,004    | 99,010    | 47,627  |

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

|  |                                       | THE STATE. | Barbour.   | Berkeley. | Boone.    | Braxton. | Brooke. |         |
|--|---------------------------------------|------------|------------|-----------|-----------|----------|---------|---------|
| <b>VALUE OF ALL CROPS</b>                  |                                       |            |            |           |           |          |         |         |
| 1  | Total.....                            | dollars..  | 40,374,776 | 755,800   | 1,231,255 | 369,350  | 987,223 | 300,651 |
| 2  | Cereals.....                          | dollars..  | 15,997,770 | 304,449   | 737,866   | 152,112  | 409,179 | 139,083 |
| 3  | Other grains and seeds.....           | dollars..  | 93,550     | 1,434     | 1,111     | 1,615    | 2,961   | 825     |
| 4  | Hay and forage.....                   | dollars..  | 7,492,747  | 181,223   | 146,694   | 17,464   | 109,002 | 80,155  |
| 5  | Vegetables.....                       | dollars..  | 6,968,618  | 123,024   | 71,941    | 90,451   | 195,183 | 43,591  |
| 6  | Fruits and nuts.....                  | dollars..  | 3,340,124  | 83,200    | 205,792   | 41,120   | 96,822  | 25,834  |
| 7  | All other crops.....                  | dollars..  | 6,482,037  | 62,470    | 67,851    | 66,588   | 123,076 | 12,163  |
| <b>SELECTED CROPS (acres and quantity)</b> |                                       |            |            |           |           |          |         |         |
| 8  | <b>Cereals:</b>                       |            |            |           |           |          |         |         |
| 9  | Total.....                            | acres..... | 1,038,931  | 18,444    | 47,607    | 10,178   | 23,554  | 7,741   |
| 10   | bushels..                             |            | 22,116,877 | 423,281   | 919,175   | 197,161  | 541,481 | 235,247 |
| 11   | Corn.....                             | acres..... | 676,311    | 10,624    | 20,784    | 9,936    | 18,840  | 3,632   |
| 12   | bushels..                             |            | 17,119,097 | 310,051   | 523,101   | 194,834  | 496,063 | 153,560 |
| 13   | Oats.....                             | acres..... | 1,03,768   | 1,351     | 977       | 231      | 1,680   | 2,422   |
| 14   | bushels..                             |            | 1,728,806  | 21,862    | 16,681    | 2,232    | 18,924  | 60,255  |
| 15   | Wheat.....                            | acres..... | 209,315    | 3,243     | 23,893    |          | 2,999   | 1,622   |
| 16   | bushels..                             |            | 2,575,906  | 35,282    | 358,914   |          | 26,171  | 20,758  |
| 17   | Buckwheat.....                        | acres..... | 33,323     | 3,143     | 17        | 9        | 33      |         |
| 18   | bushels..                             |            | 533,670    | 54,968    | 192       | 71       | 296     |         |
| 19   | Rye.....                              | acres..... | 15,079     | 60        | 1,874     | 2        | 2       | 63      |
| 20   | bushels..                             |            | 148,076    | 756       | 18,650    | 12       | 27      | 649     |
| 21   | <b>Other grains:</b>                  |            |            |           |           |          |         |         |
| 22   | Dry peas.....                         | acres..... | 232        |           |           | 2        |         |         |
| 23   | bushels..                             |            | 1,490      |           |           | 9        |         |         |
| 24   | Dry edible beans.....                 | acres..... | 8,111      | 100       | 9         | 181      | 171     |         |
| 25   | bushels..                             |            | 39,794     | 396       | 55        | 760      | 2,077   |         |
| 26   | <b>Hay and forage:</b>                |            |            |           |           |          |         |         |
| 27   | Total.....                            | acres..... | 708,900    | 19,288    | 12,099    | 1,402    | 20,209  | 8,049   |
| 28   | All tame or cultivated grasses.....   | tons.....  | 639,104    | 18,945    | 11,710    | 1,318    | 18,758  | 8,189   |
| 29   | Timothy alone.....                    | acres..... | 688,330    | 19,005    | 11,870    | 1,326    | 18,025  | 7,979   |
| 30   | bushels..                             |            | 611,880    | 18,269    | 11,336    | 1,237    | 11,821  | 7,840   |
| 31   | Timothy and clover mixed.....         | acres..... | 308,814    | 2,740     | 6,931     | 697      | 8,821   | 5,432   |
| 32   | bushels..                             |            | 278,074    | 2,898     | 6,480     | 566      | 6,332   | 5,167   |
| 33   | Clover alone.....                     | acres..... | 281,794    | 6,941     | 4,430     | 67       | 6,618   | 2,187   |
| 34   | bushels..                             |            | 249,986    | 7,748     | 4,260     | 78       | 4,166   | 2,357   |
| 35   | Alfalfa.....                          | acres..... | 6,661      | 20        | 376       | 24       | 72      | 30      |
| 36   | bushels..                             |            | 6,514      | 17        | 338       | 32       | 47      | 41      |
| 37   | Millet or Hungarian grass.....        | acres..... | 696        | 0         | 90        |          |         | 23      |
| 38   | bushels..                             |            | 1,406      | 15        | 196       |          |         | 54      |
| 39   | Other tame or cultivated grasses..... | acres..... | 7,758      | 29        | 43        | 446      | 77      | 38      |
| 40   | bushels..                             |            | 8,906      | 24        | 52        | 485      | 74      | 66      |
| 41   | Wild, salt, or prairie grasses.....   | acres..... | 82,607     | 9,269     | 6         | 92       | 2,437   | 269     |
| 42   | bushels..                             |            | 66,994     | 7,567     | 10        | 76       | 1,202   | 155     |
| 43   | Grains cut green.....                 | acres..... | 5,495      | 103       |           | 29       | 20      |         |
| 44   | bushels..                             |            | 4,051      | 75        |           | 27       | 12      |         |
| 45   | Coarse forage.....                    | acres..... | 4,191      | 117       | 27        | 20       | 22      | 18      |
| 46   | bushels..                             |            | 6,837      | 523       | 43        | 26       | 28      | 11      |
| 47   | Special crops:                        |            |            |           |           |          |         |         |
| 48   | Potatoes.....                         | acres..... | 10,876     | 43        | 196       | 27       | 2,140   | 52      |
| 49   | bushels..                             |            | 16,269     | 76        | 331       | 28       | 1,888   | 288     |
| 50   | Sweet potatoes and yams.....          | acres..... | 42,621     | 785       | 452       | 475      | 924     | 345     |
| 51   | bushels..                             |            | 4,077,066  | 82,005    | 42,598    | 42,515   | 100,820 | 31,014  |
| 52   | All other vegetables.....             | acres..... | 2,079      | 17        | 4         | 84       | 48      |         |
| 53   | Tobacco.....                          | bushels..  | 215,582    | 1,871     | 327       | 11,816   | 8,189   | 27      |
| 54   | Cane, sorghum.....                    | acres..... | 43,524     | 697       | 496       | 906      | 1,030   | 238     |
| 55   | bushels..                             |            | 17,928     | 6         |           | 152      | 8       |         |
| 56   | Cane, sorghum.....                    | pounds..   | 14,386,400 | 3,088     |           | 90,464   | 9,157   |         |
| 57   | bushels..                             |            | 8,607      | 61        |           | 343      | 273     |         |
| 58   | Sirup (made).....                     | tons.....  | 48,094     | 358       |           | 1,290    | 2,079   |         |
| 59   | gallons.....                          |            | 604,201    | 3,901     |           | 17,512   | 26,960  |         |
| <b>FRUITS AND NUTS</b>                     |                                       |            |            |           |           |          |         |         |
| 60   | <b>Orchard fruits:</b>                |            |            |           |           |          |         |         |
| 61   | Total.....                            | acres..... | 6,770,384  | 137,043   | 231,852   | 46,098   | 164,700 | 46,411  |
| 62   | bushels..                             |            | 4,709,959  | 140,317   | 263,088   | 82,612   | 191,295 | 13,184  |
| 63   | Apples.....                           | acres..... | 4,570,948  | 96,390    | 166,118   | 39,124   | 128,679 | 20,716  |
| 64   | bushels..                             |            | 4,225,163  | 127,205   | 246,508   | 81,110   | 184,081 | 8,433   |
| 65   | Peaches and nectarines.....           | acres..... | 1,424,582  | 13,341    | 35,064    | 4,867    | 23,457  | 10,336  |
| 66   | bushels..                             |            | 328,901    | 1,879     | 11,950    | 881      | 5,051   | 2,688   |
| 67   | Pears.....                            | acres..... | 154,908    | 1,927     | 14,891    | 630      | 1,888   | 2,356   |
| 68   | bushels..                             |            | 29,916     | 655       | 1,831     | 180      | 793     | 285     |
| 69   | Plums and prunes.....                 | acres..... | 234,859    | 4,675     | 10,237    | 899      | 4,308   | 7,882   |
| 70   | bushels..                             |            | 32,948     | 1,175     | 420       | 360      | 650     | 517     |
| 71   | Cherries.....                         | acres..... | 332,429    | 20,000    | 4,014     | 533      | 5,966   | 3,200   |
| 72   | bushels..                             |            | 79,723     | 9,406     | 1,988     | 79       | 676     | 749     |
| 73   | Quinces.....                          | acres..... | 50,708     | 461       | 1,485     | 45       | 380     | 1,025   |
| 74   | bushels..                             |            | 13,163     | 163       | 365       | 2        | 85      | 527     |
| 75   | Grapes.....                           | vines..... | 284,074    | 3,407     | 3,199     | 1,314    | 3,700   | 7,026   |
| 76   | pounds..                              |            | 3,224,751  | 75,524    | 25,916    | 16,415   | 57,698  | 67,035  |
| 77   | <b>Tropical fruits:</b>               |            |            |           |           |          |         |         |
| 78   | Figs.....                             | acres..... | 225        |           |           |          | 4       |         |
| 79   | pounds..                              |            | 950        |           |           |          | 150     |         |
| 80   | <b>Small fruits:</b>                  |            |            |           |           |          |         |         |
| 81   | Total.....                            | acres..... | 2,913      | 84        | 34        | 10       | 184     | 49      |
| 82   | quarts.....                           |            | 2,386,582  | 18,288    | 36,826    | 8,484    | 68,348  | 79,621  |
| 83   | Strawberries.....                     | acres..... | 709        | 56        | 15        | 7        | 5       | 27      |
| 84   | Raspberries and loganberries.....     | acres..... | 812,049    | 3,677     | 20,075    | 2,022    | 3,659   | 56,901  |
| 85   | bushels..                             |            | 847        | 18        | 17        |          | 30      | 10      |
| 86   | Blackberries and dewberries.....      | acres..... | 648,174    | 11,022    | 14,802    | 440      | 12,541  | 8,121   |
| 87   | quarts.....                           |            | 1,292      | 8         | 2         | 3        | 128     | 7       |
| 88   | bushels..                             |            | 803,498    | 3,221     | 1,706     | 5,726    | 49,781  | 9,957   |
| 89   | Nuts.....                             | acres..... | 42,167     | 4,170     | 1         | 192      | 933     |         |
| 90   | pounds..                              |            | 974,312    | 136,350   | 200       | 8,255    | 23,560  |         |

TABLE 5.—SELECTED FARM EXPENSES

| 1 | Labor.....                                |           |           |        |         |        |        |
|---|---|-----------|-----------|--------|---------|--------|--------|
| 2 | Farms reporting.....                      | dollars.. | 43,871    | 1,112  | 745     | 494    | 1,354  |
| 3 | Cash expended.....                        |           | 3,203,924 | 61,014 | 134,387 | 15,514 | 81,272 |
| 4 | Rent and board furnished.....             | dollars.. | 831,640   | 17,049 | 49,904  | 3,564  | 21,460 |
| 5 | Fertilizer.....                           |           | 23,967    | 1,416  | 844     | 20     | 262    |
| 6 | Farms reporting.....                      | dollars.. | 528,937   | 19,620 | 43,822  | 117    | 2,475  |
| 7 | Amount expended.....                      |           | 37,301    | 785    | 863     | 418    | 928    |
| 8 | Receipts from sale of feedable crops..... | dollars.. | 1,938,233 | 24,936 | 23,542  | 15,293 | 27,769 |
|   |   |           | 1,212,228 | 12,460 | 70,366  | 8,063  | 22,231 |

# STATISTICS OF AGRICULTURE.

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

|    | Cabell.   | Calhoun. | Clay.   | Doddridge. | Fayette. | Gilmer. | Grant.  | Greenbrier. | Hampshire. | Hancock. | Hardy.  | Harrison. |
|----|-----------|----------|---------|------------|----------|---------|---------|-------------|------------|----------|---------|-----------|
| 1  | 1,020,111 | 544,185  | 383,255 | 588,266    | 624,455  | 717,802 | 338,777 | 1,041,542   | 745,250    | 312,599  | 545,740 | 967,100   |
| 2  | 292,847   | 260,489  | 147,493 | 182,208    | 169,498  | 206,236 | 150,234 | 476,032     | 301,050    | 98,989   | 314,144 | 249,446   |
| 3  | 986       | 2,516    | 1,521   | 110        | 1,960    | 885     | 598     | 2,717       | 844        | 15       | 104     | 162       |
| 4  | 51,728    | 82,313   | 31,962  | 106,028    | 118,952  | 148,308 | 86,423  | 252,572     | 116,133    | 64,618   | 94,280  | 332,907   |
| 5  | 132,085   | 103,407  | 92,075  | 115,034    | 204,738  | 124,278 | 44,023  | 142,993     | 72,510     | 47,669   | 57,622  | 181,434   |
| 6  | 66,873    | 31,674   | 60,240  | 50,252     | 83,004   | 59,373  | 16,813  | 58,989      | 138,401    | 81,761   | 15,987  | 110,383   |
| 7  | 476,592   | 63,787   | 49,964  | 44,634     | 46,315   | 88,622  | 40,686  | 113,239     | 116,812    | 24,547   | 63,603  | 92,708    |
| 8  | 22,527    | 17,438   | 9,746   | 10,181     | 12,151   | 15,755  | 13,103  | 29,484      | 30,202     | 6,636    | 21,926  | 11,724    |
| 9  | 488,382   | 400,966  | 202,828 | 237,719    | 200,994  | 395,522 | 169,752 | 604,248     | 399,732    | 148,996  | 363,742 | 364,902   |
| 10 | 18,127    | 13,104   | 8,110   | 8,375      | 9,038    | 11,547  | 7,198   | 17,607      | 13,134     | 2,625    | 10,865  | 8,480     |
| 11 | 438,075   | 362,924  | 186,561 | 216,265    | 163,035  | 357,198 | 109,000 | 441,953     | 204,229    | 74,562   | 231,718 | 306,979   |
| 12 | 1,579     | 722      | 761     | 761        | 2,144    | 695     | 1,481   | 2,897       | 2,436      | 2,151    | 1,968   | 1,558     |
| 13 | 22,366    | 8,299    | 8,948   | 11,442     | 27,433   | 8,397   | 18,086  | 47,597      | 38,317     | 51,044   | 27,988  | 34,014    |
| 14 | 2,785     | 3,602    | 852     | 1,030      | 230      | 3,481   | 3,487   | 7,515       | 6,725      | 1,751    | 5,778   | 1,643     |
| 15 | 27,056    | 29,678   | 7,097   | 9,714      | 1,965    | 20,643  | 34,864  | 98,714      | 72,666     | 22,253   | 73,283  | 22,477    |
| 16 |           | 5        | 6       | 6          | 703      | 25      | 160     | 1,224       | 3,682      | 9        | 911     | 17        |
| 17 |           | 37       | 22      | 91         | 8,251    | 236     | 1,629   | 13,237      | 47,314     | 115      | 8,658   | 240       |
| 18 | 36        | 2        |         | 19         | 28       | 7       | 783     | 234         | 4,213      | 100      | 2,386   | 15        |
| 19 | 285       | 13       |         | 207        | 257      | 48      | 6,145   | 2,608       | 37,127     | 1,018    | 21,694  | 221       |
| 20 | 1         |          | 1       |            |          |         |         | 1           | 1          |          |         |           |
| 21 | 11        |          | 10      |            |          |         |         | 8           | 5          |          |         | 2         |
| 22 | 60        | 275      | 130     | 160        |          | 30      | 46      | 315         | 12         | 2        | 6       | 7         |
| 23 | 395       | 1,996    | 556     | 43         | 671      | 585     | 242     | 1,229       | 48         | 9        | 39      | 63        |
| 24 | 4,229     | 10,028   | 3,449   | 19,676     | 9,663    | 13,929  | 10,424  | 24,311      | 10,643     | 5,931    | 8,183   | 25,576    |
| 25 | 4,214     | 6,553    | 2,478   | 17,085     | 8,996    | 11,367  | 7,569   | 24,686      | 10,148     | 5,281    | 7,524   | 28,616    |
| 26 | 4,128     | 9,974    | 3,448   | 16,772     | 9,445    | 13,893  | 9,877   | 23,443      | 10,005     | 5,884    | 8,059   | 25,512    |
| 27 | 4,034     | 6,496    | 2,474   | 14,802     | 8,774    | 11,244  | 7,236   | 23,764      | 9,619      | 5,093    | 7,394   | 28,299    |
| 28 | 2,501     | 5,154    | 2,339   | 7,383      | 3,503    | 4,229   | 3,125   | 7,055       | 4,154      | 4,222    | 3,115   | 11,391    |
| 29 | 2,446     | 3,371    | 1,683   | 6,567      | 3,764    | 3,247   | 2,291   | 6,559       | 3,979      | 3,688    | 2,882   | 12,730    |
| 30 | 1,050     | 2,787    | 472     | 9,263      | 3,526    | 8,553   | 5,756   | 14,544      | 4,228      | 1,437    | 3,053   | 12,716    |
| 31 | 989       | 1,804    | 309     | 8,238      | 2,841    | 7,070   | 4,198   | 15,042      | 4,030      | 1,183    | 2,774   | 13,627    |
| 32 | 183       | 50       | 18      | 39         | 67       | 80      | 217     | 99          | 51         | 68       | 149     | 31        |
| 33 | 183       | 48       | 15      | 34         | 85       | 55      | 188     | 557         | 47         | 87       | 130     | 30        |
| 34 | 2         |          |         |            |          |         |         | 34          |            |          | 104     | 1         |
| 35 | 220       |          | 1       |            | 1        | 56      | 17      | 217         |            |          | 134     | 2         |
| 36 | 220       | 65       | 289     | 17         | 823      | 18      | 139     | 47          | 7          |          | 11      | 60        |
| 37 | 283       | 61       | 259     | 10         | 851      | 29      | 161     | 47          | 14         |          | 10      | 72        |
| 38 | 172       | 1,918    | 330     | 70         | 1,526    | 1,013   | 715     | 1,297       | 1,421      | 150      | 1,670   | 1,403     |
| 39 | 131       | 1,212    | 207     | 43         | 1,233    | 851     | 531     | 1,428       | 1,268      | 121      | 1,404   | 1,778     |
| 40 | 22        | 1        | 1       |            | 136      |         | 545     | 813         |            |          | 66      |           |
| 41 | 23        |          |         |            | 114      |         | 332     | 741         |            |          | 40      |           |
| 42 | 68        | 0        |         |            | 15       |         | 2       | 7           |            |          | 43      | 31        |
| 43 | 113       |          | 3       |            | 7        |         | 1       | 63          |            |          | 135     | 331       |
| 44 | 11        | 47       |         | 2,902      | 57       | 35      |         | 48          |            | 47       | 15      | 46        |
| 45 | 44        | 54       |         | 2,191      | 101      | 62      |         | 171         |            | 188      |         |           |
| 46 | 1,138     | 476      | 500     | 565        | 1,136    | 539     | 312     | 777         | 728        | 272      | 341     | 772       |
| 47 | 84,363    | 47,862   | 43,937  | 61,173     | 113,628  | 55,692  | 27,846  | 80,125      | 50,895     | 20,532   | 34,252  | 94,270    |
| 48 | 63        | 37       | 43      | 26         | 31       | 31      | 2       | 2           | 3          |          | 3       | 7         |
| 49 | 6,564     | 3,094    | 4,752   | 1,301      | 2,893    | 3,444   | 402     | 195         | 102        | 6        | 370     | 595       |
| 50 | 1,058     | 740      | 478     | 555        | 1,041    | 554     | 279     | 838         | 422        | 333      | 352     | 699       |
| 51 | 3,993     | 7        | 14      | 4          | 11       | 8       | 1       | 5           |            |          |         | 1         |
| 52 | 3,061,333 | 3,423    | 5,070   | 1,173      | 6,340    | 5,691   | 715     | 1,572       |            |          | 10      | 530       |
| 53 | 379       | 276      | 201     | 86         | 174      | 164     | 13      | 104         |            | 1        |         | 31        |
| 54 | 1,061     | 1,697    | 864     | 492        | 1,429    | 1,265   | 41      | 551         |            | 3        | 2       | 133       |
| 55 | 29,443    | 23,707   | 16,588  | 5,603      | 12,644   | 14,971  | 374     | 7,563       | 47         |          | 18      | 1,169     |
| 56 |           |          |         |            |          |         |         |             |            |          |         |           |
| 57 | 133,714   | 91,623   | 73,682  | 102,687    | 104,121  | 101,312 | 68,593  | 130,740     | 528,900    | 110,868  | 109,905 | 138,583   |
| 58 | 100,831   | 58,459   | 103,276 | 74,755     | 110,957  | 86,373  | 31,764  | 74,643      | 184,965    | 91,941   | 27,897  | 152,175   |
| 59 | 97,582    | 68,609   | 62,929  | 86,455     | 84,776   | 80,016  | 37,279  | 97,176      | 138,249    | 82,570   | 62,053  | 110,474   |
| 60 | 84,250    | 53,837   | 100,476 | 70,810     | 105,187  | 78,637  | 26,138  | 63,670      | 61,497     | 82,437   | 23,462  | 142,564   |
| 61 | 25,776    | 18,600   | 7,800   | 11,784     | 5,064    | 14,034  | 17,896  | 14,184      | 370,212    | 11,768   | 26,323  | 12,493    |
| 62 | 4,368     | 3,636    | 2,348   | 3,204      | 1,356    | 5,295   | 2,863   | 3,114       | 89,826     | 4,187    | 2,678   | 4,178     |
| 63 | 2,439     | 802      | 456     | 1,044      | 2,146    | 1,001   | 2,661   | 3,786       | 6,827      | 3,955    | 2,400   | 1,931     |
| 64 | 705       | 242      | 81      | 253        | 681      | 421     | 266     | 648         | 1,095      | 637      | 105     | 763       |
| 65 | 2,876     | 1,166    | 663     | 1,472      | 2,522    | 2,990   | 2,775   | 1,690       | 6,306      | 5,547    | 2,109   | 3,229     |
| 66 | 622       | 172      | 160     | 205        | 1,109    | 1,286   | 938     | 267         | 246        | 2,269    | 61      | 521       |
| 67 | 4,370     | 1,748    | 1,659   | 1,669      | 9,348    | 2,052   | 7,710   | 12,811      | 5,893      | 4,152    | 7,786   | 9,649     |
| 68 | 745       | 404      | 207     | 235        | 2,588    | 618     | 1,510   | 5,433       | 1,995      | 1,489    | 1,415   | 4,021     |
| 69 | 661       | 670      | 76      | 234        | 238      | 299     | 219     | 1,052       | 1,365      | 2,886    | 231     | 719       |
| 70 | 139       | 168      | 3       | 46         | 34       | 115     | 49      | 1,509       | 294        | 922      | 23      | 312       |
| 71 | 4,499     | 3,046    | 1,851   | 3,372      | 5,256    | 1,927   | 4,735   | 4,200       | 4,526      | 4,308    | 7,038   | 2,979     |
| 72 | 44,531    | 33,981   | 19,491  | 52,654     | 57,794   | 17,135  | 46,800  | 50,307      | 79,066     | 55,065   | 75,085  | 71,297    |
| 73 |           |          | 1       |            |          | 2       |         | 22          |            |          |         | 6         |
| 74 |           |          |         |            |          | 40      |         |             |            |          |         | 195       |
| 75 | 131       | 12       | 4       | 48         | 30       | 23      | 14      | 95          | 19         | 43       | 2       | 75        |
| 76 | 82,129    | 11,444   | 2,696   | 44,318     | 29,061   | 21,155  | 8,407   | 61,880      | 25,188     | 61,487   | 1,131   | 115,956   |
| 77 | 43        | 1        | 1       | 7          | 7        | 3       | 2       | 24          | 10         | 24       | 1       | 24        |
| 78 | 26,691    | 670      | 1,143   | 7,682      | 6,779    | 2,710   | 1,042   | 20,056      | 11,571     | 41,487   | 750     | 67,384    |
| 79 | 74        | 3        | 3       | 27         | 13       | 11      | 5       | 21          | 8          | 7        |         | 40        |
| 80 | 44,727    | 2,791    | 1,196   | 23,478     | 5,424    | 10,198  | 2,666   | 18,333      | 11,661     | 6,669    |         | 33,656    |
| 81 | 13        | 8        |         | 11         | 9        | 8       | 7       | 50          | 1          | 10       | 1       | 10        |
| 82 | 9,458     | 7,445    | 80      | 10,844     | 16,009   | 6,816   | 3,799   | 17,095      | 1,722      | 11,644   | 360     | 12,353    |
| 83 | 391       | 30       | 70      | 1,495      | 469      | 1,208   | 2,475   | 1,102       | 1,921      | 38       | 55      | 216       |
| 84 | 14,205    | 150      | 3,250   | 10,910     | 15,535   | 4,112   | 6,383   | 101,990     | 46,454     | 100      | 5,300   | 4,175     |

## AND RECEIPTS, BY COUNTIES: 1909.

|   |        |        |        |        |        |        |        |        |        |        |        |         |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 1 | 945    | 759    | 422    | 955    | 766    | 1,085  | 490    | 1,211  | 650    | 250    | 481    | 1,407   |
| 2 | 56,699 | 35,467 | 18,947 | 61,581 | 35,550 | 71,920 | 38,854 | 99,281 | 92,189 | 42,372 | 49,918 | 131,341 |
| 3 | 12,949 | 11,114 | 4,519  | 14,202 | 12,961 | 20,907 | 9,006  | 15,812 | 17,664 | 11,287 | 9,107  | 31,680  |
| 4 | 326    | 20     | 25     | 78     | 82     | 30     | 247    | 1,382  | 1,019  | 190    | 567    | 501     |
| 5 | 6,916  | 945    | 293    | 1,359  | 11,178 | 398    | 5,225  | 30,690 | 23,409 | 6,054  | 13,847 | 9,991   |
| 6 | 758    | 377    | 456    | 762    | 1,021  | 544    | 482    | 1,123  | 649    | 291    | 457    | 1,514   |
| 7 | 33,384 | 14,628 | 15,847 | 31,440 | 59,492 | 16,377 | 26,172 | 50,730 | 36,239 | 29,957 | 25,540 | 124,876 |
| 8 | 28,050 | 12,448 | 6,401  | 9,357  | 6,097  | 24,135 | 11,710 | 22,898 | 13,948 | 8,199  | 22,965 | 15,152  |

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

|  |                         | Jackson.  | Jefferson. | Kanawha.  | Lewis.  | Lincoln.  | Logan.  | McDowell. |
|--|-------------------------|-----------|------------|-----------|---------|-----------|---------|-----------|
| <b>VALUE OF ALL CROPS</b>                  |                         |           |            |           |         |           |         |           |
| 1  | Total                   | 1,214,171 | 1,265,266  | 1,411,020 | 757,752 | 1,294,639 | 372,187 | 334,045   |
| 2  | Cereals                 | 524,819   | 940,410    | 513,474   | 233,581 | 449,285   | 144,037 | 94,011    |
| 3  | Other grains and seeds  | 3,369     | 2,607      | 4,143     | 1,202   | 7,339     | 2,654   | 6,774     |
| 4  | Hay and forage          | 212,971   | 139,882    | 160,147   | 251,042 | 61,897    | 14,825  | 20,320    |
| 5  | Vegetables              | 197,190   | 62,407     | 392,184   | 149,008 | 108,165   | 99,497  | 96,321    |
| 6  | Fruits and nuts         | 78,009    | 94,238     | 145,556   | 88,758  | 78,945    | 45,445  | 18,234    |
| 7  | All other crops         | 197,813   | 25,722     | 195,516   | 34,101  | 529,008   | 65,709  | 90,720    |
| <b>SELECTED CROPS (acres and quantity)</b> |                         |           |            |           |         |           |         |           |
| 8  | <b>Cereals:</b>         |           |            |           |         |           |         |           |
| 9  | Total                   | 36,388    | 51,002     | 37,240    | 11,620  | 28,560    | 9,372   | 6,349     |
| 10   | bushels..               | 809,427   | 1,174,301  | 733,372   | 314,632 | 574,800   | 181,799 | 98,349    |
| 11   | acres.....              | 24,206    | 20,465     | 29,058    | 8,781   | 24,070    | 0,082   | 6,835     |
| 12   | bushels..               | 667,846   | 635,697    | 643,980   | 281,275 | 532,794   | 178,783 | 90,871    |
| 13   | acres.....              | 1,861     | 4,438      | 4,300     | 905     | 1,896     | 2,652   | 7,731     |
| 14   | bushels..               | 27,366    | 8,599      | 54,193    | 14,350  | 21,191    | 2,645   | 7,042     |
| 15   | acres.....              | 10,247    | 29,567     | 3,851     | 1,850   | 2,593     | 36      | 17        |
| 16   | bushels..               | 113,082   | 522,512    | 34,742    | 18,115  | 20,802    | 283     | 138       |
| 17   | acres.....              | 33        |            |           | 28      |           | 3       | 6         |
| 18   | bushels..               | 675       |            | 31        | 50      | 1         | 11      | 21        |
| 19   | acres.....              | 41        | 4,247      | 457       | 570     | 13        | 95      | 159       |
| 20   | <b>Other grains:</b>    |           |            |           |         |           |         |           |
| 21   | Dry peas                | 39        |            | 8         |         | 3         |         |           |
| 22   | bushels..               | 394       |            | 67        |         | 16        |         |           |
| 23   | acres.....              | 140       |            | 382       |         | 807       | 219     |           |
| 24   | bushels..               | 982       | 3          | 1,601     | 462     | 3,384     | 932     | 4,075     |
| 25   | <b>Hay and forage:</b>  |           |            |           |         |           |         |           |
| 26   | Total                   | 22,882    | 10,737     | 12,164    | 21,250  | 4,230     | 906     | 1,798     |
| 27   | tons.....               | 21,334    | 11,204     | 11,231    | 21,044  | 8,954     | 1,101   | 1,502     |
| 28   | acres.....              | 22,770    | 10,722     | 11,914    | 21,222  | 4,227     | 809     | 1,029     |
| 29   | tons.....               | 21,196    | 11,064     | 10,852    | 21,000  | 3,950     | 995     | 1,090     |
| 30   | acres.....              | 15,824    | 6,823      | 7,656     | 2,737   | 2,338     | 313     | 421       |
| 31   | tons.....               | 14,894    | 7,028      | 6,700     | 2,582   | 2,116     | 340     | 345       |
| 32   | acres.....              | 5,218     | 2,882      | 3,020     | 14,700  | 1,232     | 77      | 349       |
| 33   | tons.....               | 4,740     | 2,880      | 2,854     | 14,562  | 1,188     | 94      | 426       |
| 34   | acres.....              | 279       | 948        | 121       | 27      | 202       | 13      | 3         |
| 35   | tons.....               | 290       | 1,047      | 110       | 48      | 204       | 14      | 4         |
| 36   | acres.....              | 11        | 57         | 5         | 6       | 1         | 5       |           |
| 37   | tons.....               | 36        | 97         | 8         | 8       | 7         | 7       |           |
| 38   | acres.....              | 16        | 10         | 894       | 3       | 344       | 334     | 83        |
| 39   | tons.....               | 14        | 12         | 1,014     | 3       | 351       | 455     | 129       |
| 40   | acres.....              | 1,422     | 2          | 218       | 3,689   | 110       | 67      | 42        |
| 41   | tons.....               | 1,222     | 2          | 160       | 3,797   | 90        | 85      | 48        |
| 42   | acres.....              |           |            | 13        |         | 3         | 36      | 8         |
| 43   | tons.....               |           |            | 10        |         | 4         | 50      | 8         |
| 44   | acres.....              | 105       | 15         | 206       | 28      |           | 61      | 13        |
| 45   | tons.....               | 144       | 140        | 275       | 44      |           | 56      | 12        |
| 46   | acres.....              | 7         |            | 31        |         |           |         | 848       |
| 47   | tons.....               | 44        |            | 94        |         |           |         | 493       |
| 48   | <b>Special crops:</b>   |           |            |           |         |           |         |           |
| 49   | Potatoes                | 1,337     | 362        | 2,180     | 652     | 1,146     | 591     | 519       |
| 50   | bushels..               | 135,083   | 36,551     | 184,453   | 79,067  | 84,482    | 40,703  | 34,319    |
| 51   | acres.....              | 55        | 1          | 117       | 58      | 215       | 144     | 67        |
| 52   | bushels..               | 5,453     | 103        | 13,714    | 2,032   | 15,398    | 15,234  | 5,627     |
| 53   | acres.....              | 1,223     | 424        | 2,381     | 412     | 1,632     | 752     | 1,129     |
| 54   | acres.....              | 1,197     |            | 481       | 9       | 4,220     | 191     | 13        |
| 55   | pounds..                | 1,066,333 |            | 370,823   | 3,310   | 3,000,657 | 125,027 | 3,422     |
| 56   | acres.....              | 372       |            | 708       | 61      | 463       | 148     | 123       |
| 57   | tons.....               | 2,219     |            | 5,188     | 331     | 1,638     | 844     | 413       |
| 58   | gallons..               | 31,800    |            | 41,914    | 5,307   | 40,960    | 11,224  | 5,928     |
| 59   | <b>FRUITS AND NUTS</b>  |           |            |           |         |           |         |           |
| 60   | <b>Orchard fruits:</b>  |           |            |           |         |           |         |           |
| 61   | Total                   | 229,854   | 89,141     | 209,051   | 126,928 | 114,951   | 39,698  | 27,047    |
| 62   | bushels..               | 128,709   | 145,625    | 243,983   | 33,166  | 166,748   | 81,077  | 19,431    |
| 63   | trees.....              | 159,098   | 77,537     | 173,125   | 94,815  | 90,210    | 34,679  | 20,559    |
| 64   | bushels..               | 103,418   | 143,129    | 235,953   | 24,586  | 109,964   | 79,093  | 19,093    |
| 65   | trees.....              | 57,296    | 6,252      | 22,031    | 17,880  | 20,758    | 3,184   | 4,356     |
| 66   | bushels..               | 19,191    | 310        | 4,019     | 5,103   | 4,709     | 377     | 217       |
| 67   | trees.....              | 2,252     | 4,112      | 2,332     | 2,015   | 1,062     | 722     | 515       |
| 68   | bushels..               | 303       | 1,543      | 926       | 942     | 291       | 275     | 41        |
| 69   | trees.....              | 8,532     | 465        | 4,410     | 3,503   | 1,550     | 605     | 347       |
| 70   | bushels..               | 1,329     | 151        | 1,583     | 643     | 651       | 500     | 311       |
| 71   | trees.....              | 9,700     | 484        | 6,429     | 8,479   | 1,293     | 397     | 1,218     |
| 72   | bushels..               | 1,348     | 346        | 1,207     | 1,762   | 108       | 216     | 48        |
| 73   | trees.....              | 1,929     | 278        | 688       | 226     | 88        | 107     | 19        |
| 74   | bushels..               | 620       | 142        | 221       | 68      | 25        | 16      | 1         |
| 75   | vines.....              | 7,918     | 1,280      | 3,966     | 4,772   | 963       | 398     | 577       |
| 76   | pounds..                | 140,886   | 22,068     | 46,959    | 118,659 | 6,304     | 1,309   | 2,590     |
| 77   | <b>Tropical fruits:</b> |           |            |           |         |           |         |           |
| 78   | Figs                    |           |            | 36        |         |           |         |           |
| 79   | pounds..                |           |            | 315       |         |           |         |           |
| 80   | <b>Small fruits:</b>    |           |            |           |         |           |         |           |
| 81   | Total                   | 46        | 17         | 208       | 245     | 33        | 68      | 3         |
| 82   | quarts..                | 33,475    | 22,034     | 75,088    | 126,626 | 24,224    | 13,431  | 2,551     |
| 83   | acres.....              | 16        | 15         | 27        | 8       | 3         | 8       | 1         |
| 84   | quarts..                | 14,409    | 19,083     | 19,227    | 10,379  | 2,294     | 3,078   | 624       |
| 85   | acres.....              | 8         |            | 25        | 28      | 7         |         | 967       |
| 86   | quarts..                | 5,685     | 578        | 15,782    | 24,421  | 5,410     | 36      | 597       |
| 87   | acres.....              | 21        |            | 151       | 206     | 23        | 58      | 71        |
| 88   | quarts..                | 12,151    | 132        | 30,375    | 88,833  | 15,690    | 9,817   | 574       |
| 89   | trees.....              | 1,154     | 1          | 513       | 501     | 16        |         | 2         |
| 90   | pounds..                | 35,950    |            | 11,375    | 38,130  | 600       |         | 10        |

TABLE 5.—SELECTED FARM EXPENSES AND

|   |   |        |         |        |        |        |        |        |
|---|---|--------|---------|--------|--------|--------|--------|--------|
| 1 | <b>Labor</b> ..... Farms reporting          | 1,272  | 692     | 1,502  | 1,083  | 1,072  | 836    | 32     |
| 2 | Cash expended                               | 70,574 | 174,533 | 98,670 | 82,492 | 48,430 | 14,626 | 14,556 |
| 3 | Rent and board furnished                    | 14,242 | 61,937  | 19,009 | 29,780 | 14,301 | 3,841  | 4,53   |
| 4 | <b>Fertilizer</b> ..... Farms reporting     | 544    | 655     | 178    | 331    | 451    | 29     | 2      |
| 5 | Amount expended                             | 11,476 | 50,359  | 4,734  | 6,023  | 4,724  | 242    | 59     |
| 6 | <b>Feed</b> ..... Farms reporting           | 899    | 356     | 1,276  | 975    | 931    | 190    | 85     |
| 7 | Amount expended                             | 26,975 | 27,792  | 80,629 | 58,057 | 33,351 | 7,438  | 17,65  |
| 8 | <b>Receipts from sale of feedable crops</b> | 41,034 | 115,690 | 30,990 | 11,868 | 16,851 | 4,851  | 2,81   |

# STATISTICS OF AGRICULTURE.

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

|    | Marion. | Marshall. | Mason.    | Mercer. | Mineral. | Mingo.  | Monongalia. | Monroe. | Morgan. | Nicholas. | Ohio.   | Pendleton. |
|----|---------|-----------|-----------|---------|----------|---------|-------------|---------|---------|-----------|---------|------------|
| 1  | 847,320 | 1,069,727 | 1,164,359 | 648,423 | 372,236  | 331,446 | 816,848     | 885,754 | 418,975 | 592,829   | 641,675 | 486,200    |
| 2  | 283,245 | 494,169   | 486,461   | 262,004 | 116,035  | 133,535 | 306,705     | 446,106 | 181,136 | 242,851   | 193,503 | 245,330    |
| 3  | 349     | 410       | 2,154     | 5,122   | 94       | 1,243   | 305         | 2,100   | 233     | 1,494     | 405     | 685        |
| 4  | 217,649 | 271,540   | 167,608   | 119,471 | 121,935  | 19,110  | 220,989     | 163,514 | 32,069  | 89,175    | 158,459 | 121,903    |
| 5  | 192,638 | 209,300   | 173,028   | 122,689 | 56,158   | 101,411 | 133,631     | 91,759  | 87,529  | 112,545   | 134,210 | 57,243     |
| 6  | 86,281  | 48,777    | 53,668    | 33,231  | 39,647   | 33,855  | 80,182      | 34,520  | 70,384  | 53,504    | 37,665  | 20,734     |
| 7  | 67,258  | 45,531    | 281,440   | 105,906 | 38,367   | 42,292  | 75,036      | 147,755 | 47,624  | 93,260    | 117,433 | 40,305     |
| 8  | 15,023  | 31,269    | 36,272    | 17,969  | 10,061   | 8,935   | 16,697      | 25,077  | 15,999  | 13,989    | 10,407  | 15,933     |
| 9  | 382,559 | 829,093   | 780,759   | 284,325 | 165,808  | 168,043 | 433,069     | 536,219 | 250,004 | 264,322   | 314,980 | 281,801    |
| 10 | 9,535   | 15,666    | 23,750    | 11,885  | 5,616    | 8,805   | 9,545       | 14,398  | 7,656   | 10,378    | 4,778   | 8,213      |
| 11 | 291,414 | 587,950   | 624,968   | 214,075 | 107,805  | 106,989 | 312,939     | 398,322 | 151,064 | 218,421   | 208,155 | 189,879    |
| 12 | 3,304   | 7,786     | 1,443     | 2,779   | 1,415    | 1,133   | 3,791       | 1,496   | 1,286   | 1,608     | 3,222   | 1,800      |
| 13 | 63,590  | 154,451   | 21,161    | 36,415  | 23,087   | 1,529   | 74,381      | 24,154  | 22,724  | 20,791    | 76,492  | 20,417     |
| 14 | 1,839   | 7,638     | 10,896    | 2,453   | 2,290    | 15      | 2,706       | 8,432   | 8,899   | 3,177     | 2,346   | 4,900      |
| 15 | 21,707  | 84,719    | 132,349   | 24,918  | 27,136   | 100     | 36,597      | 104,149 | 42,872  | 2,925     | 29,642  | 55,420     |
| 16 | 328     | 32        | 5         | 825     | 263      | 2       | 825         | 602     | 783     | 1,048     | 4       | 549        |
| 17 | 5,522   | 252       | 40        | 6,984   | 2,677    | 25      | 6,682       | 7,651   | 10,883  | 21,771    | 68      | 6,931      |
| 18 | 10      | 136       | 178       | 225     | 476      | .....   | 39          | 145     | 2,368   | 22        | 67      | 891        |
| 19 | 268     | 1,528     | 2,241     | 1,011   | 5,093    | .....   | 483         | 1,513   | 22,399  | 219       | 823     | 8,821      |
| 20 | 3       | .....     | 102       | 10      | .....    | .....   | 1           | .....   | .....   | 2         | .....   | .....      |
| 21 | 17      | .....     | 476       | 25      | .....    | .....   | 4           | .....   | .....   | 36        | .....   | .....      |
| 22 | 13      | 6         | 82        | 391     | 3        | 119     | 16          | 143     | 9       | 86        | .....   | 42         |
| 23 | 180     | 36        | 366       | 1,929   | 24       | 482     | 54          | 563     | 56      | 651       | 117     | 218        |
| 24 | 18,789  | 23,435    | 16,319    | 11,621  | 9,695    | 1,273   | 20,529      | 15,816  | 2,683   | 14,710    | 11,846  | 14,380     |
| 25 | 16,318  | 25,118    | 17,380    | 9,172   | 9,916    | 2,532   | 16,652      | 17,174  | 2,588   | 10,898    | 13,336  | 11,760     |
| 26 | 18,633  | 23,194    | 15,217    | 11,545  | 9,350    | 6,775   | 20,412      | 15,545  | 2,644   | 11,647    | 15,127  | 13,270     |
| 27 | 15,972  | 22,929    | 15,583    | 9,074   | 9,552    | 1,287   | 16,167      | 16,784  | 2,522   | 10,786    | 11,640  | 10,889     |
| 28 | 6,815   | 19,161    | 11,158    | 3,319   | 3,731    | 289     | 7,992       | 2,708   | 1,369   | 9,169     | 6,874   | 6,874      |
| 29 | 5,778   | 18,890    | 11,315    | 2,721   | 3,739    | 436     | 6,511       | 3,089   | 1,309   | 665       | 9,013   | 4,990      |
| 30 | 8,957   | 3,756     | 3,271     | 6,335   | 5,322    | 134     | 10,353      | 11,807  | 1,105   | 6,738     | 2,322   | 4,738      |
| 31 | 7,900   | 3,756     | 3,504     | 4,906   | 5,397    | 232     | 8,138       | 12,414  | 1,027   | 4,678     | 2,426   | 4,086      |
| 32 | 94      | 212       | 205       | 58      | 75       | 2       | 17          | 301     | 89      | 15        | 117     | 246        |
| 33 | 74      | 193       | 190       | 42      | 97       | 2       | 13          | 308     | 30      | 12        | 132     | 158        |
| 34 | 10      | 5         | 26        | 135     | 6        | .....   | .....       | 12      | 2       | .....     | 14      | .....      |
| 35 | 13      | 14        | 62        | 236     | 20       | .....   | .....       | 30      | 2       | .....     | 32      | .....      |
| 36 | 178     | 42        | 84        | 72      | 28       | 225     | 113         | 26      | 22      | 143       | 22      | .....      |
| 37 | 214     | 53        | 110       | 79      | 32       | 559     | 156         | 26      | 24      | 107       | 44      | .....      |
| 38 | 2,579   | 18        | 473       | 1,761   | 59       | 19      | 1,937       | 1,191   | 107     | 7,071     | 3       | 1,489      |
| 39 | 1,993   | 23        | 402       | 1,325   | 51       | 38      | 1,349       | 927     | 130     | 5,312     | 2       | 1,655      |
| 40 | 43      | .....     | 10        | 62      | .....    | 5       | 11          | 237     | 35      | 154       | .....   | 1,175      |
| 41 | 31      | .....     | 12        | 46      | .....    | 4       | .....       | 161     | 42      | 86        | .....   | 804        |
| 42 | 48      | 24        | 1,070     | 4       | 302      | .....   | 6           | 16      | 7       | 7         | 35      | 38         |
| 43 | 68      | 28        | 1,764     | 50      | 316      | .....   | 2           | 26      | 4       | 5         | 68      | 29         |
| 44 | 65      | 217       | 10        | 43      | .....    | .....   | 104         | 18      | .....   | 13        | 164     | 40         |
| 45 | 244     | 2,161     | 21        | 2       | 48       | 1,241   | 477         | 193     | .....   | 25        | 1,617   | 38         |
| 46 | 997     | 1,715     | 1,520     | 699     | 536      | 605     | 654         | 393     | 294     | 684       | 856     | 453        |
| 47 | 103,129 | 166,590   | 140,370   | 64,128  | 40,526   | 42,998  | 65,232      | 42,685  | 31,691  | 77,062    | 75,752  | 45,517     |
| 48 | 7       | 4         | 36        | 36      | 2        | 128     | 17          | 25      | 4       | 18        | .....   | 20         |
| 49 | 593     | 420       | 3,295     | 4,114   | 74       | 11,892  | 1,064       | 2,727   | 620     | 2,309     | 5       | 359        |
| 50 | 829     | 1,179     | 1,257     | 883     | 364      | 809     | 573         | 586     | 1,627   | 563       | 922     | 399        |
| 51 | 3       | 17        | 1,578     | 24      | .....    | .....   | .....       | 1       | .....   | .....     | .....   | 4          |
| 52 | 880     | 17,010    | 1,439,361 | 14,978  | 150      | 17,354  | 335         | 638     | 60      | 3,012     | .....   | 1,038      |
| 53 | 30      | 7         | 186       | 297     | .....    | 202     | 9           | 135     | .....   | 224       | 4       | 60         |
| 54 | 79      | 15        | 1,030     | 999     | .....    | 547     | 38          | 719     | .....   | 1,470     | 22      | 197        |
| 55 | 1,203   | 235       | 14,271    | 12,656  | .....    | 9,272   | 825         | 7,571   | 10      | 20,847    | 497     | 3,226      |
| 56 | 138,343 | 131,239   | 182,302   | 133,044 | 174,001  | 28,216  | 122,828     | 132,673 | 143,398 | 79,020    | 56,742  | 97,022     |
| 57 | 107,680 | 35,057    | 66,608    | 42,398  | 42,001   | 58,875  | 94,959      | 51,089  | 85,831  | 95,409    | 19,750  | 35,750     |
| 58 | 104,011 | 68,669    | 109,338   | 93,306  | 39,694   | 25,082  | 70,714      | 100,241 | 64,252  | 65,937    | 25,025  | 68,999     |
| 59 | 97,563  | 21,956    | 55,339    | 38,999  | 20,142   | 56,701  | 82,275      | 48,074  | 54,435  | 91,480    | 12,249  | 31,795     |
| 60 | 13,341  | 22,414    | 51,814    | 17,201  | 125,621  | 2,178   | 18,329      | 19,344  | 44,645  | 17,806    | 14,106  | 14,424     |
| 61 | 6,514   | 8,199     | 9,314     | 870     | 204      | 204     | 7,632       | 536     | 26,947  | 2,240     | 4,327   | 2,072      |
| 62 | 2,343   | 4,689     | 5,216     | 2,667   | 3,074    | 384     | 3,701       | 3,257   | 17,501  | 741       | 3,132   | 3,169      |
| 63 | 718     | 1,420     | 858       | 166     | 396      | 129     | 1,122       | 299     | 604     | 144       | 689     | 140        |
| 64 | 9,977   | 21,933    | 7,473     | 3,146   | 1,814    | 478     | 14,046      | 3,140   | 10,316  | 385       | 7,530   | 3,547      |
| 65 | 1,701   | 1,791     | 442       | 225     | 460      | 277     | 8,845       | 127     | 442     | 77        | 395     | 143        |
| 66 | 6,430   | 8,144     | 6,588     | 10,832  | 3,021    | 82      | 8,097       | 5,023   | 5,273   | 4,537     | 4,602   | 8,149      |
| 67 | 1,479   | 1,690     | 404       | 2,527   | 781      | 24      | 1,305       | 1,296   | 3,062   | 1,442     | 1,274   | 1,508      |
| 68 | 1,680   | 5,304     | 1,835     | 170     | 568      | .....   | 1,918       | 1,049   | 1,390   | 1,409     | 2,340   | 363        |
| 69 | 701     | .....     | 250       | 11      | 261      | 7       | 778         | 142     | 308     | 20        | 834     | 32         |
| 70 | 4,998   | 30,447    | 4,700     | 4,175   | 3,512    | 111     | 10,270      | 3,484   | 7,675   | 1,955     | 33,277  | 2,597      |
| 71 | 150,739 | 244,016   | 55,692    | 13,505  | 58,098   | 800     | 142,743     | 41,865  | 33,490  | 28,522    | 241,604 | 31,757     |
| 72 | .....   | .....     | 131       | .....   | .....    | .....   | .....       | .....   | .....   | .....     | .....   | 5          |
| 73 | .....   | .....     | 160       | .....   | .....    | .....   | .....       | .....   | .....   | .....     | .....   | .....      |
| 74 | 61      | 102       | 143       | 19      | 72       | 10      | 46          | 32      | 3       | 6         | 60      | 8          |
| 75 | 74,048  | 68,739    | 134,204   | 23,742  | 57,497   | 7,219   | 40,992      | 37,627  | 6,672   | 9,976     | 76,905  | 2,211      |
| 76 | 14      | 15        | 80        | 5       | 17       | 3       | 7           | 6       | 2       | 1         | 25      | 1          |
| 77 | 30,402  | 24,951    | 87,445    | 4,003   | 19,531   | 2,777   | 12,126      | 11,052  | 3,621   | 2,810     | 43,383  | 544        |
| 78 | 33      | 26        | 36        | 4       | 49       | .....   | 20          | 13      | 1       | 1         | 18      | 1          |
| 79 | 20,344  | 26,853    | 25,173    | 3,552   | 32,110   | 292     | 19,435      | 16,486  | 1,757   | 2,023     | 14,400  | 692        |
| 80 | 11      | 50        | 25        | 10      | 6        | .....   | 18          | 13      | .....   | 4         | 13      | 4          |
| 81 | 13,989  | 12,828    | 19,679    | 15,809  | 5,509    | 3,800   | 7,440       | 9,741   | 480     | 3,869     | 14,951  | 887        |
| 82 | 1,505   | 40        | 325       | 797     | 127      | .....   | 569         | 29      | 22      | 222       | 12      | 11,076     |
| 83 | 27,943  | 1,125     | 2,200     | 6,575   | 3,000    | .....   | 12,170      | 700     | 650     | 7,950     | 1,000   | 127,511    |

## RECEIPTS, BY COUNTIES: 1909—Continued.

|   |        |        |         |        |        |        |        |        |        |        |        |        |
|---|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 1,032  | 1,041  | 1,257   | 778    | 962    | 299    | 984    | 848    | 450    | 604    | 423    | 585    |
| 2 | 67,397 | 60,467 | 125,885 | 46,483 | 69,034 | 12,846 | 67,680 | 68,763 | 38,913 | 33,329 | 86,098 | 38,271 |
| 3 | 15,731 | 32,833 | 17,088  | 9,687  | 13,145 | 4,426  | 17,525 | 24,267 | 8,858  | 8,171  | 29,252 | 8,993  |
| 4 | 595    | 66     | 666     | 402    | 242    | 6      | 686    | 1,190  | 601    | 713    | 111    | 507    |
| 5 | 10,799 | 2,186  | 19,331  | 5,963  | 7,215  | 125    | 17,224 | 20,725 | 20,155 | 12,791 | 6,115  | 7,893  |
| 6 | 1,313  | 795    | 920     | 831    | 384    | 173    | 1,026  | 617    | 241    | 622    | 416    | 404    |
| 7 | 89,995 | 56,110 | 32,890  | 39,153 | 35,693 | 7,841  | 66,825 | 21,808 | 10,125 | 22,618 | 90,161 | 12,556 |
| 8 | 10,762 | 76,619 | 65,431  | 13,143 | 14,716 | 6,889  | 16,185 | 19,551 | 12,769 | 11,301 | 61,518 | 11,555 |

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

|  |   | Pleasants. | Pocahontas. | Preston.  | Putnam.   | Raleigh. | Randolph. | Ritchie. |
|--|---|------------|-------------|-----------|-----------|----------|-----------|----------|
| <b>VALUE OF ALL CROPS</b>                  |   |            |             |           |           |          |           |          |
| 1  | <b>Total</b> .....dollars.....                    | 300,524    | 642,807     | 1,209,927 | 1,229,331 | 721,527  | 766,283   | 709,233  |
| 2  | Cereals.....dollars.....                          | 123,039    | 172,236     | 531,589   | 371,723   | 189,205  | 218,833   | 255,798  |
| 3  | Other grains and seeds.....dollars.....           | 180        | 167         | 461       | 1,899     | 2,870    | 683       | 437      |
| 4  | Hay and forage.....dollars.....                   | 68,323     | 182,939     | 284,776   | 102,839   | 113,384  | 267,528   | 190,151  |
| 5  | Vegetables.....dollars.....                       | 66,687     | 105,043     | 161,521   | 134,513   | 133,362  | 157,067   | 140,876  |
| 6  | Fruits and nuts.....dollars.....                  | 21,281     | 25,730      | 41,506    | 64,356    | 106,720  | 37,774    | 41,059   |
| 7  | All other crops.....dollars.....                  | 21,114     | 156,692     | 190,074   | 553,996   | 175,986  | 84,398    | 80,912   |
| <b>SELECTED CROPS (acres and quantity)</b> |   |            |             |           |           |          |           |          |
| 8  | <b>Cereals:</b>                                   |            |             |           |           |          |           |          |
| 9  | <b>Total</b> .....acres.....                      | 7,714      | 9,075       | 34,194    | 26,641    | 13,198   | 10,949    | 17,215   |
| 10   | Corn.....bushels.....                             | 182,203    | 214,571     | 824,148   | 537,539   | 204,681  | 308,878   | 363,879  |
| 11   | Oats.....bushels.....                             | 5,869      | 5,094       | 12,438    | 19,064    | 9,860    | 7,117     | 12,389   |
| 12   | Wheat.....bushels.....                            | 157,351    | 150,174     | 382,023   | 456,560   | 165,311  | 242,282   | 306,911  |
| 13   | Buckwheat.....bushels.....                        | 710        | 1,516       | 9,461     | 1,640     | 1,322    | 1,979     | 1,208    |
| 14   | Rye.....bushels.....                              | 12,718     | 29,951      | 198,201   | 22,045    | 14,244   | 39,950    | 18,010   |
| 15   | Dry peas.....bushels.....                         | 1,078      | 1,439       | 2,822     | 5,914     | 90       | 499       | 3,528    |
| 16   | Dry edible beans.....bushels.....                 | 11,497     | 19,213      | 41,860    | 58,648    | 915      | 6,256     | 37,991   |
| 17   | Other grains.....bushels.....                     | 36         | 891         | 9,389     | 8         | 1,832    | 1,328     | 71       |
| 18   | Hay and forage.....bushels.....                   | 320        | 13,558      | 199,987   | 74        | 23,207   | 19,802    | 799      |
| 19   | Wild, salt, or prairie grasses.....bushels.....   | 15         | 118         | 63        | 9         | 55       | 21        | 19       |
| 20   | Other tame or cultivated grasses.....bushels..... | 107        | 1,338       | 859       | 78        | 794      | 478       | 168      |
| 21   | Timothy alone.....acres.....                      |            |             |           |           |          |           |          |
| 22   | Timothy and clover mixed.....acres.....           |            |             |           |           |          |           |          |
| 23   | Clover alone.....acres.....                       |            |             |           |           |          |           |          |
| 24   | Alfalfa.....acres.....                            |            |             |           |           |          |           |          |
| 25   | Millet or Hungarian grass.....acres.....          |            |             |           |           |          |           |          |
| 26   | Other tame or cultivated grasses.....acres.....   |            |             |           |           |          |           |          |
| 27   | Wild, salt, or prairie grasses.....acres.....     |            |             |           |           |          |           |          |
| 28   | Grains cut green.....acres.....                   |            |             |           |           |          |           |          |
| 29   | Coarse forage.....acres.....                      |            |             |           |           |          |           |          |
| 30   | Special crops.....acres.....                      |            |             |           |           |          |           |          |
| 31   | Potatoes.....bushels.....                         |            |             |           |           |          |           |          |
| 32   | Sweet potatoes and yams.....bushels.....          |            |             |           |           |          |           |          |
| 33   | All other vegetables.....bushels.....             |            |             |           |           |          |           |          |
| 34   | Tobacco.....acres.....                            |            |             |           |           |          |           |          |
| 35   | Cane, sorghum.....pounds.....                     |            |             |           |           |          |           |          |
| 36   | Sirup (made).....gallons.....                     |            |             |           |           |          |           |          |
| 37   | Orchard fruits:                                   |            |             |           |           |          |           |          |
| 38   | <b>Total</b> .....acres.....                      |            |             |           |           |          |           |          |
| 39   | Apples.....bushels.....                           |            |             |           |           |          |           |          |
| 40   | Peaches and nectarines.....bushels.....           |            |             |           |           |          |           |          |
| 41   | Pears.....bushels.....                            |            |             |           |           |          |           |          |
| 42   | Plums and prunes.....bushels.....                 |            |             |           |           |          |           |          |
| 43   | Cherries.....bushels.....                         |            |             |           |           |          |           |          |
| 44   | Quinces.....bushels.....                          |            |             |           |           |          |           |          |
| 45   | Grapes.....bushels.....                           |            |             |           |           |          |           |          |
| 46   | Tropical fruits:                                  |            |             |           |           |          |           |          |
| 47   | Figs.....bushels.....                             |            |             |           |           |          |           |          |
| 48   | Small fruits:                                     |            |             |           |           |          |           |          |
| 49   | <b>Total</b> .....acres.....                      |            |             |           |           |          |           |          |
| 50   | Strawberries.....quarts.....                      |            |             |           |           |          |           |          |
| 51   | Raspberries and loganberries.....quarts.....      |            |             |           |           |          |           |          |
| 52   | Blackberries and dewberries.....quarts.....       |            |             |           |           |          |           |          |
| 53   | Nuts.....pounds.....                              |            |             |           |           |          |           |          |
| 54   | Total.....pounds.....                             |            |             |           |           |          |           |          |

TABLE 5.—SELECTED FARM EXPENSES AND

|   |   | Pleasants. | Pocahontas. | Preston. | Putnam. | Raleigh. | Randolph. | Ritchie. |
|---|---|------------|-------------|----------|---------|----------|-----------|----------|
| 1 | <b>Labor</b> .....Farms reporting.....                        | 530        | 573         | 1,081    | 999     | 709      | 782       | 1,253    |
| 2 | Cash expended.....dollars.....                                | 25,397     | 49,106      | 69,473   | 67,469  | 23,627   | 55,975    | 65,541   |
| 3 | Rent and board furnished.....dollars.....                     | 6,595      | 14,157      | 16,510   | 10,113  | 7,557    | 13,713    | 17,845   |
| 4 | <b>Fertilizer</b> .....Farms reporting.....                   | 143        | 473         | 1,781    | 883     | 440      | 747       | 339      |
| 5 | Amount expended.....dollars.....                              | 1,395      | 9,507       | 36,694   | 13,823  | 5,277    | 18,065    | 5,366    |
| 6 | <b>Feed</b> .....Farms reporting.....                         | 380        | 579         | 1,077    | 720     | 787      | 817       | 912      |
| 7 | Amount expended.....dollars.....                              | 15,778     | 35,689      | 46,308   | 22,099  | 35,821   | 47,439    | 37,741   |
| 8 | <b>Receipts from sale of feedable crops</b> .....dollars..... | 14,983     | 13,062      | 24,497   | 28,022  | 4,837    | 13,350    | 19,208   |

## STATISTICS OF AGRICULTURE.

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

|    | Roane.    | Summers. | Taylor. | Tucker. | Tyler.  | Upshur. | Wayne.    | Webster. | Wetzel. | Wirt.   | Wood.   | Wyoming. |
|----|-----------|----------|---------|---------|---------|---------|-----------|----------|---------|---------|---------|----------|
| 1  | 1,305,702 | 707,990  | 429,351 | 312,968 | 741,943 | 602,870 | 1,109,972 | 389,748  | 784,180 | 494,151 | 960,976 | 556,202  |
| 2  | 585,635   | 259,357  | 135,351 | 107,003 | 238,388 | 213,523 | 412,913   | 114,790  | 369,003 | 177,494 | 350,186 | 204,561  |
| 3  | 8,452     | 4,763    | 146     | 181     | 315     | 1,287   | 3,836     | 689      | 1,229   | 481     | 464     | 8,932    |
| 4  | 248,317   | 111,355  | 118,148 | 72,445  | 165,424 | 154,828 | 52,957    | 77,395   | 194,625 | 92,915  | 222,703 | 45,334   |
| 5  | 210,928   | 150,915  | 97,774  | 68,596  | 116,407 | 121,825 | 200,274   | 62,167   | 127,577 | 89,549  | 215,291 | 129,356  |
| 6  | 103,143   | 87,941   | 44,010  | 22,167  | 85,719  | 46,650  | 73,509    | 25,624   | 45,555  | 35,361  | 77,496  | 38,512   |
| 7  | 154,227   | 143,659  | 33,022  | 42,574  | 182,692 | 64,767  | 367,483   | 109,093  | 40,171  | 98,351  | 94,836  | 79,507   |
| 8  | 32,079    | 17,956   | 7,576   | 6,427   | 14,353  | 13,535  | 37,647    | 6,421    | 26,248  | 13,296  | 24,516  | 13,332   |
| 9  | 731,525   | 318,387  | 192,258 | 187,911 | 338,794 | 282,694 | 765,883   | 126,728  | 626,301 | 292,984 | 589,325 | 209,470  |
| 10 | 23,934    | 12,351   | 4,772   | 3,553   | 10,740  | 9,403   | 32,853    | 5,698    | 16,625  | 10,538  | 18,698  | 11,832   |
| 11 | 654,938   | 254,998  | 144,417 | 105,521 | 294,200 | 228,973 | 719,704   | 117,851  | 514,092 | 265,057 | 483,165 | 195,698  |
| 12 | 2,238     | 1,604    | 1,369   | 1,430   | 1,230   | 1,528   | 2,069     | 598      | 3,868   | 837     | 1,998   | 1,333    |
| 13 | 27,877    | 21,689   | 25,805  | 25,512  | 18,896  | 22,737  | 23,211    | 7,575    | 61,983  | 11,613  | 35,475  | 11,937   |
| 14 | 5,879     | 3,254    | 721     | 153     | 2,203   | 1,269   | 2,694     | 27       | 5,650   | 1,804   | 3,613   | .....    |
| 15 | 48,461    | 33,148   | 8,980   | 1,808   | 20,971  | 12,724  | 22,663    | 1,239    | 45,982  | 15,865  | 43,182  | .....    |
| 16 | 18        | 701      | 706     | 1,248   | 80      | 1,321   | .....     | 53       | 59      | 27      | 31      | .....    |
| 17 | 195       | 8,162    | 12,901  | 24,448  | 815     | 18,180  | .....     | 590      | 611     | 234     | 246     | 1,607    |
| 18 | 10        | 46       | 5       | 23      | 96      | 9       | .....     | 43       | 46      | 29      | 71      | .....    |
| 19 | 54        | 385      | 95      | 240     | 767     | 29      | .....     | 285      | 443     | 132     | 813     | 138      |
| 20 | 1         | 2        | .....   | .....   | 6       | .....   | .....     | 11       | .....   | .....   | 16      | 5        |
| 21 | 2         | 4        | .....   | .....   | 48      | .....   | .....     | 113      | .....   | .....   | 142     | 15       |
| 22 | 256       | 591      | 15      | 7       | 14      | 109     | .....     | 397      | 128     | 70      | 31      | 1,071    |
| 23 | 1,286     | 1,970    | 77      | 146     | 75      | 873     | 1,460     | 883      | 821     | 186     | 34      | 3,903    |
| 24 | 20,191    | 11,926   | 10,143  | 6,731   | 15,530  | 17,436  | 5,041     | 8,595    | 18,356  | 9,888   | 21,656  | 3,762    |
| 25 | 17,358    | 9,785    | 9,699   | 4,875   | 13,167  | 14,436  | 4,969     | 5,285    | 14,831  | 8,866   | 21,064  | 3,312    |
| 26 | 20,114    | 11,049   | 9,772   | 6,621   | 15,373  | 17,287  | 3,720     | 8,462    | 18,354  | 9,743   | 21,104  | 3,710    |
| 27 | 17,240    | 8,803    | 9,039   | 4,764   | 12,801  | 14,354  | 3,595     | 5,202    | 14,327  | 8,740   | 21,201  | 3,263    |
| 28 | 15,956    | 2,866    | 3,641   | 2,318   | 8,281   | 1,463   | 1,626     | 1,368    | 16,519  | 7,757   | 17,063  | 1,900    |
| 29 | 13,705    | 2,268    | 3,158   | 1,714   | 7,042   | 872     | 1,579     | 788      | 12,655  | 7,143   | 17,011  | 1,581    |
| 30 | 3,379     | 6,745    | 3,136   | 3,012   | 6,220   | 9,418   | 1,305     | 6,439    | 2,609   | 1,429   | 3,501   | 1,118    |
| 31 | 2,890     | 5,469    | 3,352   | 2,133   | 4,975   | 8,639   | 1,207     | 3,996    | 1,926   | 1,127   | 3,500   | 946      |
| 32 | 124       | 124      | 7       | 36      | 372     | 64      | .....     | 132      | 43      | 78      | 233     | .....    |
| 33 | 104       | 79       | 10      | 26      | 321     | 39      | .....     | 118      | 33      | 60      | 286     | .....    |
| 34 | 1         | .....    | .....   | .....   | 9       | .....   | .....     | .....    | 5       | .....   | 30      | .....    |
| 35 | 4         | .....    | .....   | .....   | 28      | .....   | .....     | .....    | 2       | .....   | 59      | .....    |
| 36 | 19        | 209      | 56      | 49      | 72      | 79      | .....     | 256      | 39      | 185     | 54      | 451      |
| 37 | 23        | 207      | 46      | 64      | 66      | 66      | .....     | 325      | 44      | 180     | 208     | 489      |
| 38 | 635       | 1,105    | 2,932   | 1,197   | 421     | 6,263   | .....     | 401      | 616     | 36      | 266     | 245      |
| 39 | 505       | 780      | 2,473   | 817     | 369     | 4,738   | .....     | 366      | 374     | 18      | 84      | 246      |
| 40 | 4         | 72       | 280     | 108     | 50      | 102     | .....     | 133      | .....   | .....   | 5       | 28       |
| 41 | 5         | 45       | 200     | 107     | 20      | 34      | .....     | 84       | .....   | .....   | 6       | 29       |
| 42 | 67        | 19       | 9       | .....   | 59      | 13      | .....     | 1        | .....   | .....   | 31      | 10       |
| 43 | 100       | 40       | 12      | .....   | 40      | 17      | .....     | 303      | .....   | 2       | 38      | 527      |
| 44 | 4         | 786      | 81      | 2       | 43      | 34      | .....     | 456      | .....   | 4       | 34      | 705      |
| 45 | 7         | 897      | 446     | 4       | 306     | 31      | .....     | 1,017    | .....   | .....   | 29      | 18       |
| 46 | 833       | 647      | 525     | 581     | 763     | 729     | .....     | 917      | .....   | 45      | 46      | 5        |
| 47 | 91,625    | 67,085   | 54,382  | 66,379  | 77,814  | 70,364  | 1,268     | 394      | 1,263   | 59,109  | 131,224 | 58,307   |
| 48 | 77        | 38       | 5       | 1       | 10      | 22      | .....     | 7        | .....   | 18      | 24      | 154      |
| 49 | 9,499     | 3,737    | 430     | 211     | 632     | 2,267   | .....     | .....    | .....   | .....   | 2,804   | 13,572   |
| 50 | 1,190     | 1,011    | 484     | 259     | 614     | 612     | .....     | .....    | .....   | .....   | 603     | 1,456    |
| 51 | 110       | 22       | 1       | .....   | 2       | 6       | .....     | .....    | .....   | .....   | 173     | 18       |
| 52 | 90,201    | 7,739    | 415     | 205     | 1,425   | 4,615   | .....     | .....    | .....   | .....   | 557,048 | 4,416    |
| 53 | 459       | 245      | 4       | 17      | 68      | 74      | .....     | .....    | .....   | .....   | 92      | 352      |
| 54 | 3,718     | 1,267    | 18      | 59      | 265     | 389     | .....     | .....    | .....   | .....   | 402     | 1,393    |
| 55 | 39,975    | 15,563   | 272     | 934     | 4,538   | 4,517   | .....     | .....    | .....   | .....   | 3,742   | 13,378   |
| 56 | 196,659   | 138,845  | 84,338  | 53,777  | 108,491 | 126,475 | .....     | .....    | .....   | .....   | 61,598  | 61,895   |
| 57 | 185,657   | 87,882   | 60,784  | 35,198  | 58,695  | 76,511  | .....     | .....    | .....   | .....   | 39,802  | 116,237  |
| 58 | 146,017   | 100,268  | 56,234  | 44,961  | 80,600  | 95,357  | .....     | .....    | .....   | .....   | 48,512  | 47,862   |
| 59 | 153,601   | 64,493   | 54,194  | 33,808  | 51,904  | 68,047  | .....     | .....    | .....   | .....   | 38,492  | 115,357  |
| 60 | 41,183    | 17,269   | 8,456   | 2,588   | 16,202  | 8,550   | .....     | .....    | .....   | .....   | 24,468  | 8,851    |
| 61 | 10,581    | 629      | 2,229   | 337     | 3,348   | 1,580   | .....     | .....    | .....   | .....   | 4,398   | 564      |
| 62 | 1,250     | 3,843    | 1,922   | 1,557   | 2,173   | 2,663   | .....     | .....    | .....   | .....   | 1,329   | 1,034    |
| 63 | 458       | 524      | 445     | 167     | 470     | 935     | .....     | .....    | .....   | .....   | 138     | 68       |
| 64 | 3,307     | 4,017    | 6,416   | 985     | 4,820   | 2,590   | .....     | .....    | .....   | .....   | 1,726   | 660      |
| 65 | 545       | 132      | 542     | 150     | 407     | 251     | .....     | .....    | .....   | .....   | 430     | 35       |
| 66 | 3,963     | 12,561   | 10,330  | 3,601   | 3,270   | 17,136  | .....     | .....    | .....   | .....   | 4,829   | 9,347    |
| 67 | 338       | 2,047    | 3,124   | 671     | 291     | 5,064   | .....     | .....    | .....   | .....   | 513     | 213      |
| 68 | 914       | 756      | 971     | 64      | 1,420   | 149     | .....     | .....    | .....   | .....   | 284     | 7        |
| 69 | 131       | 53       | 250     | 4       | 275     | 28      | .....     | .....    | .....   | .....   | 73      | .....    |
| 70 | 5,093     | 5,490    | 1,962   | 2,274   | 3,205   | 3,584   | .....     | .....    | .....   | .....   | 2,406   | 475      |
| 71 | 87,573    | 22,076   | 38,516  | 44,028  | 51,207  | 51,975  | .....     | .....    | .....   | .....   | 39,033  | 2,097    |
| 72 | .....     | .....    | 1       | .....   | .....   | .....   | .....     | .....    | .....   | .....   | 13      | .....    |
| 73 | .....     | .....    | .....   | .....   | .....   | .....   | .....     | .....    | .....   | .....   | 60      | .....    |
| 74 | 74        | 63       | 48      | 27      | 23      | 19      | .....     | .....    | .....   | .....   | 38      | 67       |
| 75 | 95,631    | 56,133   | 28,315  | 20,270  | 15,599  | 51,571  | .....     | .....    | .....   | .....   | 32,752  | 56,274   |
| 76 | 6         | 7        | 7       | 4       | 7       | 8       | .....     | .....    | .....   | .....   | 13      | 6        |
| 77 | 4,899     | 10,671   | 5,780   | 8,407   | 3,790   | 15,496  | .....     | .....    | .....   | .....   | 1,115   | 4,521    |
| 78 | 19        | 20       | 36      | 15      | 12      | 4       | .....     | .....    | .....   | .....   | 2       | 10       |
| 79 | 9,397     | 18,638   | 16,673  | 9,292   | 7,792   | 21,169  | .....     | .....    | .....   | .....   | 4,212   | 7,517    |
| 80 | 47        | 32       | 4       | 5       | 5       | 5       | .....     | .....    | .....   | .....   | 15      | 51       |
| 81 | 78,432    | 26,698   | 5,454   | 2,105   | 2,773   | 12,905  | .....     | .....    | .....   | .....   | 35,431  | 44,213   |
| 82 | 1,052     | 319      | 172     | 53      | 1,807   | 1,291   | .....     | .....    | .....   | .....   | 64      | 21       |
| 83 | 45,295    | 2,405    | 2,750   | 25,600  | 66,840  | 29,331  | .....     | .....    | .....   | .....   | 2,670   | 670      |

### RECEIPTS, BY COUNTIES: 1909—Continued.

|   | Roane. | Summers. | Taylor. | Tucker. | Tyler. | Upshur. | Wayne. | Webster. | Wetzel. | Wirt.  | Wood.  | Wyoming. |
|---|--------|----------|---------|---------|--------|---------|--------|----------|---------|--------|--------|----------|
| 1 | 1,334  | 799      | 539     | 311     | 804    | 1,035   | 1,122  | 497      | 875     | 624    | 1,156  | 609      |
| 2 | 82,067 | 32,189   | 33,970  | 14,600  | 46,719 | 44,914  | 49,637 | 24,101   | 74,165  | 29,170 | 80,579 | 20,957   |
| 3 | 20,365 | 9,907    | 11,504  | 1,830   | 9,630  | 10,525  | 9,616  | 3,540    | 17,154  | 11,627 | 19,282 | 5,504    |
| 4 | 218    | 688      | 492     | 265     | 146    | 1,038   | .....  | 41       | 103     | 63     | 285    | 56       |
| 5 | 4,135  | 6,800    | 9,418   | 3,559   | 2,066  | 13,682  | .....  | 495      | 1,311   | 1,127  | 936    | 6,373    |
| 6 | 776    | 807      | 553     | 322     | 638    | 1,122   | .....  | 777      | 381     | 603    | 496    | 594      |
| 7 | 35,817 | 38,974   | 40,828  | 15,597  | 29,906 | 48,289  | .....  | 26,970   | 22,148  | 30,077 | 59,440 | 26,371   |
| 8 | 37,917 | 11,614   | 7,810   | 4,526   | 19,576 | 10,335  | .....  | 19,234   | 5,105   | 28,303 | 52,498 | 20,214   |



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

|    | THE STATE.                                 | Barbour.   | Berkeley. | Baone.  | Braxton.    | Brooke.    | Cabell.   | Calhoun.  | Clay.     |
|----|--|------------|-----------|---------|-------------|------------|-----------|-----------|-----------|
| 1  | Inclusures reporting domestic animals..... | 29,305     | 284       | 999     | 270         | 326        | 197       | 81        | 20        |
| 2  | Value of domestic animals..... dollars..   | 4,941,574  | 36,830    | 126,025 | 32,799      | 36,685     | 41,544    | 163,079   | 11,414    |
| 3  | Cattle:                                    |            |           |         |             |            |           |           |           |
| 4  | Total number.....                          | 31,524     | 337       | 467     | 654         | 468        | 1,129     | 73        | 25        |
| 5  | Value..... dollars..                       | 1,053,931  | 13,139    | 14,230  | 13,518      | 15,484     | 4,964     | 39,080    | 2,311     |
| 6  | Number of dairy cows.....                  | 24,052     | 291       | 398     | 361         | 357        | 113       | 63        | 16        |
| 7  | Horses:                                    |            |           |         |             |            |           |           |           |
| 8  | Total number.....                          | 22,256     | 174       | 855     | 85          | 156        | 283       | 841       | 65        |
| 9  | Value..... dollars..                       | 2,912,306  | 21,905    | 97,275  | 7,510       | 19,175     | 32,015    | 112,112   | 7,720     |
| 10 | Number of mature horses.....               | 21,936     | 161       | 842     | 82          | 156        | 282       | 828       | 65        |
| 11 | Mules and asses and burros:                |            |           |         |             |            |           |           |           |
| 12 | Total number.....                          | 6,564      | 5         | 27      | 77          | 6          | 25        | 80        | 1         |
| 13 | Value..... dollars..                       | 790,647    | 1,000     | 3,255   | 7,480       | 350        | 3,650     | 8,445     | 300       |
| 14 | Number of mature mules.....                | 6,425      | 5         | 24      | 74          | 4          | 25        | 80        | 1         |
| 15 | Swine:                                     |            |           |         |             |            |           |           |           |
| 16 | Total number.....                          | 25,406     | 109       | 1,655   | 963         | 239        | 68        | 390       | 70        |
| 17 | Value..... dollars..                       | 178,015    | 759       | 11,230  | 4,048       | 1,660      | 571       | 3,435     | 988       |
| 18 | Sheep and goats:                           |            |           |         |             |            |           |           |           |
| 19 | Total number.....                          | 1,613      | 4         | 7       | 111         | 6          | 91        | 4         | 2         |
| 20 | Value..... dollars..                       | 6,675      | 27        | 35      | 243         | 16         | 344       | 7         | 8         |
|    | Doddridge.                                 | Fayette.   | Gilmer.   | Grant.  | Greenbrier. | Hampshire. | Hancock.  | Hardy.    | Harrison. |
| 1  | Inclusures reporting domestic animals..... | 198        | 1,943     | 150     | 79          | 621        | 157       | 232       | 1,754     |
| 2  | Value of domestic animals..... dollars..   | 24,648     | 269,641   | 27,148  | 20,818      | 109,444    | 28,526    | 37,376    | 307,907   |
| 3  | Cattle:                                    |            |           |         |             |            |           |           |           |
| 4  | Total number.....                          | 213        | 2,204     | 283     | 73          | 801        | 164       | 123       | 72        |
| 5  | Value..... dollars..                       | 6,858      | 76,840    | 9,622   | 2,428       | 24,275     | 4,899     | 4,133     | 2,263     |
| 6  | Number of dairy cows.....                  | 173        | 1,626     | 191     | 57          | 578        | 135       | 110       | 58        |
| 7  | Horses:                                    |            |           |         |             |            |           |           |           |
| 8  | Total number.....                          | 175        | 484       | 140     | 101         | 548        | 102       | 259       | 103       |
| 9  | Value..... dollars..                       | 16,015     | 65,278    | 15,727  | 13,485      | 73,609     | 20,480    | 31,100    | 12,630    |
| 10 | Number of mature horses.....               | 175        | 479       | 130     | 101         | 545        | 189       | 259       | 103       |
| 11 | Mules and asses and burros:                |            |           |         |             |            |           |           |           |
| 12 | Total number.....                          | 5          | 1,411     | 2       | 27          | 16         | 17        | 13        | 137       |
| 13 | Value..... dollars..                       | 465        | 149,384   | 500     | 3,200       | 1,915      | 2,325     | 1,580     | 15,230    |
| 14 | Number of mature mules.....                | 4          | 1,394     | 2       | 2           | 15         | 17        | 10        | 128       |
| 15 | Swine:                                     |            |           |         |             |            |           |           |           |
| 16 | Total number.....                          | 137        | 2,396     | 161     | 159         | 562        | 121       | 73        | 102       |
| 17 | Value..... dollars..                       | 1,287      | 13,873    | 1,292   | 1,506       | 3,365      | 812       | 533       | 747       |
| 18 | Sheep and goats:                           |            |           |         |             |            |           |           |           |
| 19 | Total number.....                          | 6          | 54        | 2       | 44          | 107        | 4         | 10        | 64        |
| 20 | Value..... dollars..                       | 23         | 266       | 7       | 199         | 380        | 30        | 40        | 249       |
|    | Jackson.                                   | Jefferson. | Kanawha.  | Lewis.  | Lincoln.    | Logan.     | McDowell. | Marion.   | Marshall. |
| 1  | Inclusures reporting domestic animals..... | 233        | 838       | 3,322   | 153         | 149        | 349       | 2,185     | 971       |
| 2  | Value of domestic animals..... dollars..   | 29,558     | 114,140   | 477,984 | 50,281      | 53,565     | 45,822    | 322,652   | 215,935   |
| 3  | Cattle:                                    |            |           |         |             |            |           |           |           |
| 4  | Total number.....                          | 182        | 553       | 4,264   | 139         | 322        | 700       | 2,067     | 916       |
| 5  | Value..... dollars..                       | 5,976      | 18,085    | 135,588 | 4,423       | 10,777     | 19,459    | 73,998    | 39,465    |
| 6  | Number of dairy cows.....                  | 149        | 454       | 3,006   | 113         | 124        | 380       | 1,628     | 768       |
| 7  | Horses:                                    |            |           |         |             |            |           |           |           |
| 8  | Total number.....                          | 191        | 764       | 1,671   | 317         | 213        | 95        | 398       | 1,111     |
| 9  | Value..... dollars..                       | 21,513     | 84,301    | 201,135 | 43,080      | 32,515     | 10,930    | 59,055    | 157,591   |
| 10 | Number of mature horses.....               | 189        | 728       | 1,652   | 313         | 213        | 95        | 395       | 1,102     |
| 11 | Mules and asses and burros:                |            |           |         |             |            |           |           |           |
| 12 | Total number.....                          | 3          | 40        | 1,072   | 17          | 67         | 83        | 1,276     | 127       |
| 13 | Value..... dollars..                       | 700        | 3,446     | 122,972 | 1,855       | 8,715      | 12,825    | 172,357   | 14,304    |
| 14 | Number of mature mules.....                | 2          | 37        | 1,044   | 11          | 66         | 83        | 1,275     | 127       |
| 15 | Swine:                                     |            |           |         |             |            |           |           |           |
| 16 | Total number.....                          | 178        | 1,289     | 2,679   | 93          | 221        | 488       | 2,659     | 496       |
| 17 | Value..... dollars..                       | 1,359      | 8,080     | 18,138  | 855         | 1,541      | 2,605     | 17,164    | 4,227     |
| 18 | Sheep and goats:                           |            |           |         |             |            |           |           |           |
| 19 | Total number.....                          | 2          | 46        | 23      | 13          | 9          | 1         | 13        | 51        |
| 20 | Value..... dollars..                       | 10         | 229       | 151     | 68          | 17         | 3         | 78        | 348       |
|    | Mason.                                     | Mercer.    | Mineral.  | Mingo.  | Monongalia. | Monroe.    | Morgan.   | Nicholas. | Ohio.     |
| 1  | Inclusures reporting domestic animals..... | 234        | 1,001     | 430     | 602         | 606        | 115       | 280       | 118       |
| 2  | Value of domestic animals..... dollars..   | 32,992     | 156,487   | 52,664  | 121,026     | 102,071    | 29,565    | 28,731    | 33,730    |
| 3  | Cattle:                                    |            |           |         |             |            |           |           |           |
| 4  | Total number.....                          | 227        | 1,197     | 420     | 951         | 589        | 155       | 147       | 215       |
| 5  | Value..... dollars..                       | 7,388      | 44,426    | 13,794  | 25,088      | 19,101     | 4,544     | 4,028     | 7,051     |
| 6  | Number of dairy cows.....                  | 177        | 939       | 314     | 641         | 464        | 107       | 123       | 153       |
| 7  | Horses:                                    |            |           |         |             |            |           |           |           |
| 8  | Total number.....                          | 184        | 465       | 267     | 187         | 630        | 171       | 176       | 155       |
| 9  | Value..... dollars..                       | 21,318     | 64,068    | 32,299  | 25,650      | 77,330     | 20,385    | 18,675    | 21,630    |
| 10 | Number of mature horses.....               | 179        | 458       | 263     | 185         | 621        | 164       | 164       | 155       |
| 11 | Mules and asses and burros:                |            |           |         |             |            |           |           |           |
| 12 | Total number.....                          | 23         | 371       | 30      | 495         | 27         | 24        | 12        | 30        |
| 13 | Value..... dollars..                       | 2,875      | 42,395    | 4,110   | 67,065      | 3,100      | 3,575     | 1,860     | 3,800     |
| 14 | Number of mature mules.....                | 23         | 367       | 30      | 478         | 26         | 24        | 12        | 30        |
| 15 | Swine:                                     |            |           |         |             |            |           |           |           |
| 16 | Total number.....                          | 161        | 794       | 264     | 514         | 256        | 170       | 505       | 136       |
| 17 | Value..... dollars..                       | 1,378      | 5,568     | 2,461   | 3,207       | 2,379      | 920       | 4,030     | 945       |
| 18 | Sheep and goats:                           |            |           |         |             |            |           |           |           |
| 19 | Total number.....                          | 12         | 9         | 7       | 29          | 34         | 30        | 68        | 7         |
| 20 | Value..... dollars..                       | 33         | 30        | 16      | 161         | 141        | 138       | 304       | 45        |

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

|  | Pendleton. | Pleasants. | Pocahontas. | Preston. | Putnam. | Raleigh. | Randolph. | Ritchie. | Roane. | Summers. |
|--|------------|------------|-------------|----------|---------|----------|-----------|----------|--------|----------|
| 1 Inclosures reporting domestic animals... | 108        | 199        | 317         | 521      | 381     | 1,121    | 686       | 426      | 258    | 205      |
| 2 Value of domestic animals.....dollars..  | 16,166     | 28,342     | 69,801      | 83,921   | 43,973  | 170,693  | 177,075   | 69,724   | 53,991 | 30,847   |
| <b>Cattle:</b>                             |            |            |             |          |         |          |           |          |        |          |
| 3 Total number.....                        | 157        | 187        | 419         | 504      | 399     | 1,028    | 734       | 415      | 291    | 192      |
| 4 Value.....dollars..                      | 4,273      | 5,687      | 14,057      | 17,515   | 12,628  | 51,914   | 27,537    | 13,302   | 10,499 | 6,422    |
| 5 Number of dairy cows.....                | 107        | 165        | 319         | 416      | 315     | 1,217    | 634       | 340      | 251    | 156      |
| <b>Horses:</b>                             |            |            |             |          |         |          |           |          |        |          |
| 6 Total number.....                        | 81         | 174        | 340         | 483      | 169     | 467      | 842       | 440      | 274    | 143      |
| 7 Value.....dollars..                      | 9,450      | 21,615     | 51,984      | 60,206   | 19,765  | 58,275   | 138,130   | 62,378   | 40,910 | 21,000   |
| 8 Number of mature horses.....             | 78         | 170        | 338         | 476      | 161     | 460      | 839       | 431      | 271    | 143      |
| <b>Mules and asses and burros:</b>         |            |            |             |          |         |          |           |          |        |          |
| 9 Total number.....                        | 11         | 3          | 33          | 33       | 60      | 429      | 29        | 17       | 10     | 12       |
| 10 Value.....dollars..                     | 1,320      | 350        | 3,965       | 3,965    | 9,020   | 52,685   | 3,755     | 1,850    | 1,400  | 1,960    |
| 11 Number of mature mules.....             | 10         | 3          | 33          | 33       | 59      | 427      | 29        | 16       | 10     | 11       |
| <b>Swine:</b>                              |            |            |             |          |         |          |           |          |        |          |
| 12 Total number.....                       | 100        | 102        | 383         | 268      | 308     | 1,400    | 781       | 270      | 110    | 197      |
| 13 Value.....dollars..                     | 473        | 1,040      | 2,632       | 2,172    | 2,550   | 7,599    | 7,476     | 2,093    | 1,182  | 1,452    |
| <b>Sheep and goats:</b>                    |            |            |             |          |         |          |           |          |        |          |
| 14 Total number.....                       | 174        | 178        | 13          | 2        | 79      | 38       | 25        | .....    | .....  | 6        |
| 15 Value.....dollars..                     | 650        | 778        | 63          | 10       | 220     | 177      | 101       | .....    | .....  | 13       |

|  | Taylor. | Tucker. | Tyler. | Upshur. | Wayne. | Webster. | Wetzel. | Wirt.  | Wood.   | Wyoming. |
|--|---------|---------|--------|---------|--------|----------|---------|--------|---------|----------|
| 1 Inclosures reporting domestic animals... | 281     | 556     | 375    | 279     | 251    | 277      | 666     | 109    | 897     | 35       |
| 2 Value of domestic animals.....dollars..  | 43,866  | 95,861  | 75,793 | 45,659  | 24,725 | 31,854   | 105,601 | 12,714 | 167,439 | 17,817   |
| <b>Cattle:</b>                             |         |         |        |         |        |          |         |        |         |          |
| 3 Total number.....                        | 197     | 567     | 318    | 333     | 369    | 328      | 785     | 107    | 684     | 92       |
| 4 Value.....dollars..                      | 7,067   | 22,759  | 10,168 | 11,393  | 10,605 | 10,416   | 25,649  | 3,667  | 22,764  | 4,762    |
| 5 Number of dairy cows.....                | 171     | 501     | 266    | 255     | 264    | 251      | 604     | 94     | 603     | 26       |
| <b>Horses:</b>                             |         |         |        |         |        |          |         |        |         |          |
| 6 Total number.....                        | 295     | 466     | 475    | 220     | 85     | 125      | 596     | 80     | 994     | 59       |
| 7 Value.....dollars..                      | 35,552  | 68,672  | 62,830 | 31,230  | 9,055  | 17,490   | 74,260  | 8,602  | 127,125 | 6,040    |
| 8 Number of mature horses.....             | 289     | 464     | 471    | 220     | 82     | 122      | 584     | 76     | 978     | 39       |
| <b>Mules and asses and burros:</b>         |         |         |        |         |        |          |         |        |         |          |
| 9 Total number.....                        | 3       | 15      | 7      | 12      | 32     | 14       | 17      | 2      | 106     | 51       |
| 10 Value.....dollars..                     | 225     | 1,925   | 1,000  | 1,860   | 3,515  | 2,150    | 1,965   | 105    | 13,975  | 6,600    |
| 11 Number of mature mules.....             | 2       | 14      | 7      | 12      | 31     | 14       | 15      | 1      | 106     | 51       |
| <b>Swine:</b>                              |         |         |        |         |        |          |         |        |         |          |
| 12 Total number.....                       | 103     | 247     | 205    | 150     | 181    | 282      | 387     | 44     | 423     | 82       |
| 13 Value.....dollars..                     | 987     | 2,346   | 1,793  | 1,169   | 1,480  | 1,542    | 3,597   | 340    | 3,433   | 415      |
| <b>Sheep and goats:</b>                    |         |         |        |         |        |          |         |        |         |          |
| 14 Total number.....                       | 8       | 20      | 1      | 2       | 23     | 42       | 25      | .....  | 38      | .....    |
| 15 Value.....dollars..                     | 35      | 159     | 4      | 7       | 79     | 256      | 130     | .....  | 142     | .....    |

## CHAPTER 4.

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

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

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

At the end of the chapter are three general tables.

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

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

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

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

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

tutions, or in governmental establishments, except those of the Federal Government.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ees may have hours differing from those of the majority. In the tables all the wage earners of each establishment are counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the employees work the same number of hours, so that these figures give a substantially correct picture of the hours of labor in manufacturing industries.

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

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

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

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

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

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

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

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

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

**Location of establishments.**—The Census Bureau has classified establishments by their location in cities or classes of cities. In

interpreting these figures due consideration should be given to the fact that often establishments are located just outside the boundaries of cities, and are necessarily so classified, though locally they are looked upon as constituting a part of the manufacturing interests of the cities.

**Laundries.**—The census of 1909 was the first to include statistics of laundries. The reports are confined to establishments using

mechanical power. The data are presented separately and are not included in the general total for manufacturing industries, in order to avoid interference with comparisons with prior censuses.

**Custom sawmills and gristmills.**—In order to make the statistics for 1909 comparable with those for 1904 the data for these mills have been excluded from all the tables presenting general statistics, and are given in a separate table at the end of this chapter.

**INDUSTRIES IN GENERAL.**

**General character of the state.**—West Virginia, with a gross area of 24,170 square miles, of which only 148 represent water surface, and with a population in 1910 of 1,221,119, ranks fortieth among the 49 states and territories of continental United States in area and twenty-eighth in population. The total population was 958,800 in 1900 and 762,794 in 1890. In 1910 the density of population for the entire state was 50.8 per square mile, the corresponding figure for 1900 being 39.9. Eighteen and seven-tenths per cent of the entire population of the state in 1910 resided in cities and incorporated towns having 2,500 inhabitants or over, as against 13.1 per cent in 1900.

There were no cities in the state having a population in 1910 of over 50,000, but there were six cities which had a population of 10,000 or more, as follows: Wheeling, Huntington, Charleston, Parkersburg, Bluefield, and Martinsburg. These six cities contained 11.1 per cent of the total population of the state and were credited with 28.6 per cent of the total value of its manufactures. Apart from these cities, only 7.6 per cent of the population resided in incorporated places of 2,500 inhabitants or over.

The cities and mining districts of the state are well supplied with railway transportation facilities, though certain of the heavily wooded areas are not traversed by railroads. The Ohio River, which is of decided commercial importance, forms the greater part of the western boundary of the state, affording cheap and

adequate shipping facilities, and many of the numerous mountain streams are utilized for rafting lumber.

**Importance and growth of manufactures.**—West Virginia is in general more a mining than a manufacturing state. Over one-half of the counties have deposits of bituminous coal, in the production of which the state has held a high rank for many years, its output in 1909 being exceeded only by that of Pennsylvania. The state is especially well adapted, however, to the development of manufactures. The vast deposits of coal, the abundance of petroleum and natural gas, the extensive timber areas, and the excellent water-power facilities which are being rapidly developed are directly responsible for much of the growth in manufactures.

Since 1869 the growth of the population of the state has not kept pace with the increase in the importance of its manufacturing industries. During 1869 an average of 11,672 wage earners, representing 2.6 per cent of the population, were employed in manufactures, while in 1909 an average of 63,893 wage earners, or 5.2 per cent of the total population, were so engaged. During the intervening period the gross value of products per capita of the entire population of the state increased from \$55 to \$133.

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

|  | NUMBER OR AMOUNT. |              |                  | PER CENT OF INCREASE. |           |
|--|-------------------|--------------|------------------|-----------------------|-----------|
|  | 1909              | 1904         | 1899             | 1904-1909             | 1899-1904 |
| Number of establishments.....  | 2,536             | 2,109        | 1,824            | 22.6                  | 15.6      |
| Persons engaged in manufactures.....                                       | 71,463            | 48,880       | ( <sup>1</sup> ) | 46.2                  | .....     |
| Proprietors and firm members.....  | 2,599             | 2,230        | ( <sup>1</sup> ) | 16.5                  | .....     |
| Salaried employees.....  | 4,971             | 2,892        | 1,744            | 71.9                  | 65.8      |
| Wage earners (average number).....   | 63,893            | 43,758       | 33,080           | 46.0                  | 32.3      |
| Primary horsepower.....  | 217,496           | 138,578      | 91,894           | 56.9                  | 50.8      |
| Capital.....   | \$150,923,000     | \$86,821,000 | \$49,103,000     | 73.8                  | 76.8      |
| Expenses.....  | 144,666,000       | 86,738,000   | 55,551,000       | 66.8                  | 56.1      |
| Services.....  | 38,710,000        | 24,052,000   | 14,159,000       | 60.9                  | 69.9      |
| Salaries.....  | 5,710,000         | 2,899,000    | 1,519,000        | 97.0                  | 90.8      |
| Wages.....   | 33,000,000        | 21,153,000   | 12,640,000       | 56.0                  | 67.3      |
| Materials.....   | 92,878,000        | 54,419,000   | 37,228,000       | 70.7                  | 46.2      |
| Miscellaneous.....   | 13,078,000        | 8,267,000    | 4,164,000        | 58.2                  | 98.5      |
| Value of products.....   | 161,950,000       | 99,041,000   | 67,007,000       | 63.5                  | 47.8      |
| Value added by manufacture (value of products less cost of materials)..... | 69,072,000        | 44,622,000   | 29,779,000       | 54.8                  | 49.8      |

<sup>1</sup> Figures not available.

The proportion which the manufactures of the state represented of the total value of the products of the

manufacturing industries of the United States increased from 0.6 per cent in 1869 to 0.8 per cent in 1909.

In 1909 the state of West Virginia had 2,586 manufacturing establishments, which gave employment to an average of 71,463 persons during the year and paid out \$38,710,000 in salaries and wages. Of the persons employed, 63,893 were wage earners. These establishments turned out products to the value of \$161,950,000, to produce which materials costing \$92,878,000 were used. The value added by manufacture was thus \$69,072,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

In general, this table brings out the fact that the manufacturing industries of West Virginia as a whole showed a greater development during the more re-

cent five-year period, 1904-1909, than during the preceding five-year period, 1899-1904. During the later period the number of establishments increased 22.6 per cent and the average number of wage earners 46 per cent, while the value of products increased 63.5 per cent and the value added by manufacture 54.8 per cent. As pointed out in the Introduction, it would be improper to infer that manufactures increased in volume to the full extent indicated by these figures regarding values, since the increase shown is certainly due, in part, to the increase that has taken place in the prices of commodities.

The relative importance and growth of the leading manufacturing industries of the state are shown in the following table:

| INDUSTRY.   | Number of establishments. | WAGE EARNERS.   |                        | VALUE OF PRODUCTS. |                        | VALUE ADDED BY MANUFACTURE. |                        | PER CENT OF INCREASE. <sup>1</sup> |           |                             |           |
|---|---------------------------|-----------------|------------------------|--------------------|------------------------|-----------------------------|------------------------|------------------------------------|-----------|-----------------------------|-----------|
|   |                           | Average number. | Per cent distribution. | Amount.            | Per cent distribution. | Amount.                     | Per cent distribution. | Value of products.                 |           | Value added by manufacture. |           |
|   |                           |                 |                        |                    |                        |                             |                        | 1904-1909                          | 1899-1904 | 1904-1909                   | 1899-1904 |
| All industries.....   | 2,586                     | 63,893          | 100.0                  | \$161,950,000      | 100.0                  | \$69,072,000                | 100.0                  | 63.5                               | 47.8      | 54.8                        | 49.8      |
| Lumber and timber products.....   | 1,016                     | 18,643          | 29.2                   | 28,758,000         | 17.8                   | 20,082,000                  | 29.1                   | 53.8                               | 54.9      | 60.7                        | 78.2      |
| Iron and steel, steel works and rolling mills.....                              | 16                        | 5,080           | 7.9                    | 22,435,000         | 13.9                   | 6,539,000                   | 9.5                    | 66.7                               | 0.4       | 38.7                        | 1.0       |
| Leather, tanned, curried, and finished.....                                     | 20                        | 1,571           | 2.5                    | 12,451,000         | 7.7                    | 2,068,000                   | 3.0                    | 105.4                              | 88.8      | 59.9                        | 93.0      |
| Glass.....  | 51                        | 6,190           | 9.7                    | 7,779,000          | 4.8                    | 5,483,000                   | 7.9                    | 69.1                               | 145.7     | 64.2                        | 161.1     |
| Flour-mill and gristmill products.....  | 207                       | 452             | 0.7                    | 7,695,000          | 4.8                    | 1,095,000                   | 1.6                    | 24.1                               | 63.5      | 10.9                        | 44.3      |
| Coke.....   | 71                        | 4,426           | 6.9                    | 7,563,000          | 4.7                    | 2,551,000                   | 3.7                    | 81.2                               | 18.3      | 67.1                        | -2.2      |
| Cars and general shop construction and repairs by steam-railroad companies..... | 24                        | 5,652           | 8.8                    | 6,733,000          | 4.2                    | 3,670,000                   | 5.3                    | 63.4                               | 39.9      | 58.8                        | 70.3      |
| Slaughtering and meat packing.....  | 6                         | 167             | 0.3                    | 3,764,000          | 2.3                    | 379,000                     | 0.5                    | 95.2                               | 44.1      | 45.8                        | 27.4      |
| Foundry and machine-shop products.....  | 83                        | 1,354           | 2.1                    | 3,392,000          | 2.1                    | 1,632,000                   | 2.4                    | 18.5                               | 88.7      | 12.6                        | 82.2      |
| Pottery, terra-cotta, and fire-clay products.....                               | 16                        | 2,034           | 3.2                    | 2,679,000          | 1.7                    | 1,893,000                   | 2.7                    | 108.3                              | 16.4      | 101.4                       | 6.1       |
| Paper and wood pulp.....  | 9                         | 1,102           | 1.8                    | 2,652,000          | 1.6                    | 969,000                     | 1.4                    | 104.3                              | 145.8     | 80.1                        | 111.8     |
| Liquors, malt.....  | 13                        | 415             | 0.7                    | 2,271,000          | 1.4                    | 1,652,000                   | 2.4                    | 5.8                                | 92.8      | -0.8                        | 82.0      |
| Copper, tin, and sheet-iron products.....                                       | 19                        | 916             | 1.4                    | 2,151,000          | 1.3                    | 797,000                     | 1.2                    | 179.0                              |           | 183.6                       |           |
| Printing and publishing.....  | 235                       | 1,255           | 2.0                    | 1,692,000          | 1.2                    | 1,451,000                   | 2.1                    | 28.2                               | 50.1      | 20.6                        | 48.7      |
| Bread and other bakery products.....  | 151                       | 346             | 0.5                    | 1,470,000          | 0.9                    | 611,000                     | 0.9                    | 61.2                               | 131.5     | 58.7                        | 112.7     |
| Clothing, men's, including shirts.....  | 9                         | 403             | 0.6                    | 1,469,000          | 0.9                    | 414,000                     | 0.6                    | 71.8                               | 70.7      | 49.5                        | 91.0      |
| Patent medicines and compounds and druggists' preparations.....                 | 17                        | 196             | 0.3                    | 1,292,000          | 0.8                    | 1,036,000                   | 1.5                    |                                    |           |                             |           |
| Woolen, worsted, and felt goods, and wool hats.....                             | 13                        | 599             | 0.9                    | 1,224,000          | 0.8                    | 429,000                     | 0.6                    |                                    |           |                             |           |
| Furniture and refrigerators.....  | 25                        | 578             | 0.9                    | 955,000            | 0.6                    | 581,000                     | 0.8                    | 48.9                               | 42.7      | 51.3                        | 37.6      |
| Brick and tile.....   | 34                        | 882             | 1.4                    | 950,000            | 0.6                    | 675,000                     | 1.0                    | 9.2                                | 99.5      | 2.3                         | 94.7      |
| Carriages and wagons and materials.....   | 51                        | 347             | 0.5                    | 675,000            | 0.4                    | 357,000                     | 0.5                    | 5.6                                | 30.4      | 5.3                         | 21.1      |
| Copperage and wooden goods, not elsewhere specified.....                        | 31                        | 366             | 0.6                    | 658,000            | 0.4                    | 324,000                     | 0.5                    |                                    |           |                             |           |
| Lime.....   | 13                        | 514             | 0.8                    | 644,000            | 0.4                    | 420,000                     | 0.6                    | 455.2                              |           | 445.5                       |           |
| Canning and preserving.....   | 30                        | 271             | 0.4                    | 605,000            | 0.4                    | 175,000                     | 0.3                    | -20.8                              | -1.3      | -53.6                       | 6.2       |
| Bone, carbon, and lamp black.....   | 16                        | 101             | 0.2                    | 596,000            | 0.3                    | 347,000                     | 0.5                    | 117.5                              |           | 56.3                        |           |
| Ice, manufactured.....  | 35                        | 233             | 0.4                    | 476,000            | 0.3                    | 365,000                     | 0.5                    | 34.8                               | 196.6     | 25.0                        | 201.0     |
| Leather goods.....  | 8                         | 127             | 0.2                    | 472,000            | 0.3                    | 195,000                     | 0.3                    | 28.3                               | 15.4      | 46.6                        | -2.2      |
| Marble and stone work.....  | 29                        | 144             | 0.2                    | 365,000            | 0.2                    | 231,000                     | 0.3                    | 135.5                              | -46.6     | 148.4                       | -52.8     |
| Mattresses and spring beds.....   | 7                         | 72              | 0.1                    | 267,000            | 0.2                    | 113,000                     | 0.2                    | 88.0                               |           | 145.7                       |           |
| Confectionery.....  | 10                        | 82              | 0.1                    | 244,000            | 0.1                    | 97,000                      | 0.1                    | 8.0                                | 130.6     | -11.0                       | 211.4     |
| All other industries.....   | 321                       | 9,335           | 14.6                   | 37,262,000         | 23.0                   | 12,441,000                  | 18.0                   |                                    |           |                             |           |

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

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

Of the industries included under the head of "All other industries" in the table, the tin-plate and terneplate industry is the most important, ranking fourth in the state when measured by value of products. West Virginia, with six mills, which had a total output for 1909 valued at \$9,257,524, was second among the states in this industry. Other statistics for this industry for 1909 are presented in Table II, page 656.

In addition to the 30 industries presented separately in the table, and the tin-plate and terneplate industry, all of which reported products valued at more than \$200,000 in 1909, 24 other industries in the state had a value of products in excess of this amount. These industries are included under the head of "All other industries" in the table, because in some cases the operations of individual establishments would be disclosed if they were shown separately; in others, because the returns do not present properly the true condition of the industry, as it is interwoven with one or more other industries; and in still others, because comparative statistics for the previous censuses can not

be presented on account of changes in classification. These industries are as follows: Boots and shoes, including cut stock and findings; brooms; cars, steam-railroad, not including operations of railroad companies; chemicals; clothing, women's; cutlery and tools, "not elsewhere specified;" dyeing and finishing textiles; dyestuffs and extracts; electrical machinery, apparatus, and supplies; explosives; galvanizing; gas and electric fixtures and lamps and reflectors; gas, illuminating and heating; hosiery and knit goods; iron and steel, blast furnaces; iron and steel pipe, wrought; liquors, distilled; mineral and soda waters; oil, "not elsewhere specified;" petroleum, refining; smelting and refining, zinc; smelting and refining, not from the ore; tobacco manufactures; and wood, turned and carved.

Although a few industries predominate greatly in importance, it will be seen from Table II, page 656, that there is on the whole considerable diversity in the manufacturing activities of the state. The most important industries listed in the preceding table, in which they are arranged in the order of the value of products, call for brief consideration.

*Lumber and timber products.*—Under this head are included statistics for logging and sawmill operations, for planing mills, and for establishments engaged in the manufacture of wooden packing boxes. The industry afforded employment in 1909 to an average of 18,643 wage earners and turned out products valued at \$28,758,000, these figures representing 29.2 per cent and 17.8 per cent of the respective totals reported for all manufacturing industries of the state. Much of the virgin timber has been cut, but extensive areas in all parts of the state are still wooded. Statistics for the custom sawmills, most of which are small, are not included with the general statistics of this industry, but are shown separately on page 653.

*Iron and steel, steel works and rolling mills.*—With extensive deposits of coal, and because of the favorable location of that part of the state in which the steel works and rolling mills are situated, West Virginia is particularly well adapted to the manufactures peculiar to this industry. Between 1899 and 1904 practically no change took place in the value of products, but between 1904 and 1909 there was an increase of \$8,980,000, or 66.7 per cent. The industry is second in importance in the state, as measured by value of products.

*Leather, tanned, curried, and finished.*—With an abundant and convenient supply of oak and hemlock bark there was a marked growth in the leather industry of the state during the decade 1899-1909. Measured by value of products this industry was third in importance among the industries of the state in 1909. Although the number of tanneries decreased from 33 in 1904 to 20 in 1909, there were increases of 625, or 66.1 per cent, in the average number of wage earners;

\$341,000, or 78.6 per cent, in wages; and \$6,389,000, or 105.4 per cent, in the value of products during the same period.

*Glass.*—The large deposits of white siliceous sand admirably adapted to glass making found in West Virginia and an abundant supply of coal and natural gas have caused a rapid growth in the industry. The number of establishments engaged in this industry increased from 16 in 1899 to 39 in 1904 and to 51 in 1909, when West Virginia reported next to the largest number shown for any state in the Union. During the decade the average number of wage earners increased from 1,949 to 6,190, or more than trebled, and the value of products increased from \$1,872,000 to \$7,779,000, or more than quadrupled.

*Flour-mill and gristmill products.*—This classification includes statistics for all mills grinding wheat, rye, buckwheat, or corn, as well as those making hominy and grits, but it does not include statistics for factories manufacturing fancy cereals or other food preparations as chief products. In 1909 there were 207 merchant mills in West Virginia, which manufactured products valued at \$7,696,000, or 4.8 per cent of the value of all manufactured products of the state. The figures for the mills doing custom grinding for local consumption are excluded from the general statistics, but they are shown separately on page 653.

*Coke.*—The industry includes establishments operating coke ovens for the manufacture of coke from coal or slack. The manufacture of coke at gas houses is not included. Since 1899 there has been a decrease in the number of establishments in this industry, but increases have occurred both in the average number of wage earners employed and in the value of products. In 1909 West Virginia occupied second place among the states in the tonnage of coke produced and third in the value of the output. The increased activity of the iron and steel industry during recent years has given an added impetus to the production of coke in the state. The total value of products reported for this industry in 1909 was \$7,563,000, which was more than double that shown for 1899.

Owing to the comparatively simple processes involved in the flour mills and gristmills and in the tanning, currying, and finishing of leather, as well as the extent to which these processes are carried on by machinery, the value added by manufacture and the number of wage earners employed in these industries are not commensurate with the gross value of products. On the other hand, steam-railroad repair shops, which rank seventh, and the manufacture of pottery, terracotta, and fire-clay products, which ranks tenth among the industries shown in the table when measured by value of products, occupy third and sixth positions, respectively, in the number of wage earners employed, and fourth and seventh places, respectively, when measured

by value added by manufacture. In fact, the lumber industry and the steel works and rolling mills are the only two of the six leading industries which hold the same relative rank when measured by value added by manufacture as when measured by value of products. Furthermore, it will be seen that there is considerable change in the order of the other industries shown separately in the table when ranked according to value added by manufacture. The most conspicuous change is in the case of slaughtering and meat packing, which drops from eighth to twenty-first place.

The table on page 642 shows also the percentages of increase for these leading industries in respect to value of products and value added by manufacture where these statistics are comparable. In the case of several of these industries there were increases which indicate exceptional development. The manufacture of lime shows a greater relative gain from 1904 to 1909, both in value of products and in value added by manufacture, than any other of the industries for which comparative figures are presented in the table, each showing increases of about 450 per cent. All of the six leading industries, with the exception of flour mills and gristmills, show large gains in both these respects from 1904 to 1909.

In the canning and preserving industry decreases in the value of products occurred during both five-year periods. Each of the other industries presented separately shows an increase in value of products from 1904 to 1909, and all except three an increase in value added by manufacture. For the preceding five-year period, two industries show a decrease in the former item and three in the latter.

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

| CLASS.                                 | PERSONS ENGAGED IN MANUFACTURES. |        |         |
|--|----------------------------------|--------|---------|
|  | Total.                           | Male.  | Female. |
| All classes.....                       | 71,463                           | 66,121 | 5,342   |
| Proprietors and officials.....         | 4,508                            | 4,423  | 85      |
| Proprietors and firm members.....      | 2,599                            | 2,527  | 72      |
| Salaried officers of corporations..... | 568                              | 562    | 6       |
| Superintendents and managers.....      | 1,341                            | 1,334  | 7       |
| Clerks.....                            | 3,062                            | 2,505  | 557     |
| Wage earners (average number).....     | 63,893                           | 59,193 | 4,700   |
| 16 years of age and over.....          | 62,840                           | 58,335 | 4,505   |
| Under 16 years of age.....             | 1,053                            | 258    | 195     |

The average number of persons engaged in manufactures during 1909 was 71,463, of whom 63,893 were wage earners. Of the remainder, 4,508 were proprietors and officials and 3,062 were clerks. Cor-

responding figures for individual industries will be found in Table II, page 656.

The following table shows, for 1909, the percentages of proprietors and officials, clerks, and wage earners, respectively, among the total number of persons employed in manufactures. It covers all industries combined and 15 important industries individually.

| INDUSTRY.   | PERSONS ENGAGED IN MANUFACTURES. |                            |         |                                |
|---|----------------------------------|----------------------------|---------|--------------------------------|
|   | Total number.                    | Per cent of total.         |         |                                |
|   |                                  | Proprietors and officials. | Clerks. | Wage earners (average number). |
| All industries.....   | 71,463                           | 6.3                        | 4.3     | 89.4                           |
| Cars and general shop construction and repairs by steam-railroad companies..... | 5,920                            | 1.0                        | 3.5     | 95.5                           |
| Coke.....   | 4,746                            | 2.9                        | 3.9     | 93.3                           |
| Copper, tin, and sheet-iron products.....                                       | 998                              | 3.3                        | 4.9     | 91.8                           |
| Flour-mill and gristmill products.....  | 884                              | 38.8                       | 10.1    | 51.1                           |
| Foundry and machine-shop products.....  | 1,633                            | 9.7                        | 7.3     | 82.9                           |
| Glass.....  | 6,509                            | 2.3                        | 2.6     | 95.1                           |
| Iron and steel, steel works and rolling mills.                                  | 5,445                            | 1.7                        | 5.3     | 92.0                           |
| Leather, tanned, curried, and finished....                                      | 1,688                            | 2.5                        | 4.4     | 93.1                           |
| Liquors, malt.....  | 824                              | 7.1                        | 13.7    | 79.2                           |
| Lumber and timber products.....   | 20,799                           | 8.1                        | 2.3     | 89.6                           |
| Paper and wood pulp.....  | 1,221                            | 2.5                        | 2.3     | 95.2                           |
| Pottery, terra-cotta, and fire-clay products.                                   | 2,149                            | 2.4                        | 2.9     | 94.6                           |
| Printing and publishing.....  | 1,772                            | 19.2                       | 10.0    | 70.8                           |
| Slaughtering and meat packing.....  | 209                              | 6.7                        | 13.4    | 79.9                           |
| Tin plate and terneplate.....   | 1,465                            | 2.1                        | 6.8     | 91.1                           |
| All other industries.....   | 15,501                           | 8.5                        | 6.0     | 85.5                           |

Of the total number of persons engaged in all manufacturing industries, 6.3 per cent were proprietors and officials, 4.3 per cent clerks, and 89.4 per cent wage earners. The highest percentage of proprietors and officials shown for any individual industry, 38.8, is for the flour mills and gristmills. Measured by number of persons engaged, the establishments in this industry are generally small and the work is done largely by the proprietors or their immediate representatives, so that the proportion of persons in this industry falling into the class of proprietors and officials is very much higher than for the other industries or for all industries combined. In printing and publishing, where the situation is somewhat similar, proprietors and officials constituted 19.2 per cent of the total number of persons engaged in the industry.

On account of the large average number of wage earners to an individual establishment in the steam-railroad repair shops and in the steel works and rolling mills, these industries show the smallest proportions of proprietors and officials.

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



| INDUSTRY.   | WAGE EARNERS.                |                           |         |                        |
|---|------------------------------|---------------------------|---------|------------------------|
|   | Average number, <sup>1</sup> | Per cent of total.        |         |                        |
|   |                              | 16 years of age and over. |         | Under 16 years of age. |
|   |                              | Male.                     | Female. |                        |
| All industries.....   | 63,893                       | 91.3                      | 7.0     | 1.6                    |
| Cars and general shop construction and repairs by steam-railroad companies..... | 5,652                        | 99.0                      | 0.3     | 0.7                    |
| Coke.....   | 4,428                        | 100.0                     | .....   | ( <sup>2</sup> )       |
| Copper, tin, and sheet-iron products.....                                       | 916                          | 60.7                      | 32.2    | 7.1                    |
| Flour-mill and gristmill products.....  | 452                          | 98.9                      | 0.4     | 0.7                    |
| Foundry and machine-shop products.....  | 1,354                        | 99.8                      | .....   | 0.2                    |
| Glass.....  | 6,190                        | 86.1                      | 8.7     | 5.2                    |
| Iron and steel, steel works and rolling mills.....                              | 5,060                        | 99.3                      | 0.2     | 0.5                    |
| Leather, tanned, curried, and finished.....                                     | 1,571                        | 100.0                     | .....   | .....                  |
| Liquors, malt.....  | 415                          | 99.0                      | .....   | 1.0                    |
| Lumber and timber products.....   | 18,643                       | 99.4                      | 0.1     | 0.6                    |
| Paper and wood pulp.....  | 1,162                        | 96.1                      | 3.9     | .....                  |
| Pottery, terra-cotta, and fire-clay products.....                               | 2,034                        | 71.3                      | 27.8    | 0.9                    |
| Printing and publishing.....  | 1,255                        | 72.7                      | 21.8    | 5.5                    |
| Slaughtering and meat packing.....  | 167                          | 100.0                     | .....   | .....                  |
| Tin plate and ternplate.....  | 1,335                        | 90.9                      | 8.5     | 0.7                    |
| All other industries.....   | 13,261                       | 77.2                      | 19.8    | 2.9                    |

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction.  
<sup>2</sup> Less than one-tenth of 1 per cent.

For all industries combined, 91.3 per cent of the average number of wage earners were males 16 years of age and over; 7 per cent, females 16 years of age and over; and 1.6 per cent, children under the age of 16. In the manufacture of copper, tin, and sheet-iron products nearly one-third of the wage earners were women 16 years of age and over; in the pottery, terra-cotta, and fire-clay industry the proportion was over one-fourth; and in printing and publishing, more than one-fifth.

The manufacture of copper, tin, and sheet-iron products, the glass industry, and printing and publishing show the largest proportions of wage earners under 16 years of age.

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

| CLASS.                             | PERSONS ENGAGED IN MANUFACTURES. |                        |         |                        |                                  |
|------------------------------------|----------------------------------|------------------------|---------|------------------------|----------------------------------|
|                                    | 1909                             |                        | 1904    |                        | Per cent of increase, 1904-1909. |
|                                    | Number.                          | Per cent distribution. | Number. | Per cent distribution. |                                  |
| Total.....                         | 71,463                           | 100.0                  | 48,880  | 100.0                  | 46.2                             |
| Proprietors and firm members.....  | 2,599                            | 3.6                    | 2,230   | 4.6                    | 16.5                             |
| Salaried employees.....            | 4,971                            | 7.0                    | 2,892   | 5.9                    | 71.9                             |
| Wage earners (average number)..... | 63,893                           | 89.4                   | 43,758  | 89.5                   | 46.0                             |

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

The following table shows the average number of wage earners, distributed according to age periods, and in the case of those 16 years of age and over ac-

ording to sex, for 1909, 1904, and 1899. The averages for 1909 are estimated on the basis of the actual number reported for a single representative day. (See Introduction.)

| CLASS.                        | AVERAGE NUMBER OF WAGE EARNERS. |                       |         |                       |         |                       |
|-------------------------------|---------------------------------|-----------------------|---------|-----------------------|---------|-----------------------|
|                               | 1909                            |                       | 1904    |                       | 1899    |                       |
|                               | Number.                         | Percent distribution. | Number. | Percent distribution. | Number. | Percent distribution. |
| Total.....                    | 63,893                          | 100.0                 | 43,758  | 100.0                 | 33,080  | 100.0                 |
| 16 years of age and over..... | 62,840                          | 98.4                  | 42,627  | 97.4                  | 32,270  | 97.6                  |
| Male.....                     | 58,335                          | 91.3                  | 39,378  | 90.0                  | 29,458  | 89.0                  |
| Female.....                   | 4,505                           | 7.1                   | 3,249   | 7.4                   | 2,812   | 8.5                   |
| Under 16 years of age....     | 1,053                           | 1.6                   | 1,131   | 2.6                   | 810     | 2.4                   |

This table indicates that while there was an actual increase during the 10 years in the number of children under the age of 16 and of females 16 years of age and over employed in the manufacturing industries of the state, the proportion which each of these two classes of wage earners formed of the total was less in 1909 than in 1899. In 1909 males 16 years of age and over formed 91.3 per cent of all wage earners, as compared with 90 per cent in 1904 and 89 per cent in 1899.

**Wage earners employed, by months.**—The following table gives the number of wage earners employed on the 15th of each month during the year 1909 for all industries combined; it gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 656, are shown, for practically all of the important industries in the state, the largest number and the smallest number of wage earners reported for any month. The figures are for the 15th day, or the nearest representative day, of the month.

| MONTH.        | WAGE EARNERS. |                      | MONTH.         | WAGE EARNERS. |                      |
|---------------|---------------|----------------------|----------------|---------------|----------------------|
|               | Number.       | Per cent of maximum. |                | Number.       | Per cent of maximum. |
| January.....  | 56,191        | 81.2                 | July.....      | 62,187        | 80.9                 |
| February..... | 57,393        | 82.9                 | August.....    | 65,651        | 94.9                 |
| March.....    | 60,499        | 87.4                 | September..... | 68,290        | 98.7                 |
| April.....    | 62,456        | 90.3                 | October.....   | 69,202        | 100.0                |
| May.....      | 62,665        | 90.6                 | November.....  | 68,647        | 99.2                 |
| June.....     | 65,487        | 94.8                 | December.....  | 68,056        | 98.3                 |

Such seasonal industries as the brick and tile and canning and preserving industries did not give employment to sufficiently large numbers of wage earners to influence greatly the general movement of employment in the state; and in the glass industry the period of relatively small employment was limited to the two months of July and August. For all industries combined the month of least activity was January, in which the number of wage earners reported represented 81.2 per cent of the number in October, the month of maximum activity.

Prevailing hours of labor.—In the following table wage earners have been classified according to the hours of labor prevailing in the establishments in which they are employed. In making this classification the average number of wage earners employed

during the year is used, and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though a few employees work a greater or less number of hours.

| INDUSTRY.   | AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK. |               |                    |       |                    |        |                    |     |          |
|---|--|---------------|--------------------|-------|--------------------|--------|--------------------|-----|----------|
|   | Total.   | 48 and under. | Between 48 and 54. | 54.   | Between 54 and 60. | 60.    | Between 60 and 72. | 72. | Over 72. |
| All industries.....   | 63,893   | 7,181         | 3,162              | 6,503 | 7,304              | 31,480 | 6,209              | 274 | 1,780    |
| Bone, carbon, and lamp black.....   | 101  |               |                    |       | 5                  | 20     |                    | 17  | 59       |
| Bread and other bakery products.....  | 346  | 29            |                    | 27    | 5                  | 227    | 8                  | 33  | 17       |
| Brick and tile.....   | 882  | 90            | 3                  | 60    | 32                 | 697    |                    |     |          |
| Canning and preserving.....   | 271  |               |                    | 2     |                    | 261    |                    | 8   |          |
| Carriages and wagons and materials.....   | 347  | 3             |                    | 117   | 90                 | 136    |                    | 1   |          |
| Cars and general shop construction and repairs by steam-railroad companies..... | 5,053  |               | 50                 | 35    | 1,614              | 2,489  | 411                |     | 1,053    |
| Clothing, men's, including shirts.....  | 408  |               |                    | 82    | 236                | 85     |                    |     |          |
| Coke.....   | 4,426  | 21            | 38                 | 316   | 16                 | 3,966  |                    |     | 69       |
| Confectionery.....  | 82   | 6             |                    | 25    | 29                 | 22     |                    |     |          |
| Cooperage and wooden goods, not elsewhere specified.....                        | 366  | 18            | 14                 | 54    | 42                 | 233    |                    | 5   |          |
| Copper, tin, and sheet-iron products.....                                       | 916  | 8             |                    | 67    | 248                | 593    |                    |     |          |
| Flour-mill and gristmill products.....  | 452  | 74            | 4                  | 17    | 25                 | 273    | 35                 | 22  | 2        |
| Foundry and machine-shop products.....  | 1,354  | 10            | 31                 | 512   | 169                | 598    | 34                 |     |          |
| Furniture and refrigerators.....  | 578  |               | 12                 | 94    | 1                  | 469    |                    | 2   |          |
| Glass.....  | 6,190  | 1,866         | 2,252              | 1,424 | 385                | 203    |                    |     |          |
| Ice, manufactured.....  | 238  |               |                    | 35    | 5                  | 71     | 20                 | 33  | 69       |
| Iron and steel, steel works and rolling mills.....                              | 5,060  | 1,779         |                    | 812   | 312                | 315    | 1,842              |     |          |
| Leather goods.....  | 127  |               |                    | 32    | 94                 | 1      |                    |     |          |
| Leather, tanned, curried, and finished.....                                     | 1,571  |               | 1                  | 68    | 128                | 1,374  |                    |     |          |
| Lime.....   | 514  |               |                    | 1     |                    | 513    |                    |     |          |
| Liquors, malt.....  | 415  | 208           |                    | 129   |                    | 42     | 36                 |     |          |
| Lumber and timber products.....   | 18,043   | 168           | 205                | 364   | 757                | 13,998 | 3,148              | 3   |          |
| Marble and stone work.....  | 144  | 11            | 5                  | 79    | 5                  | 44     |                    |     |          |
| Mattresses and spring beds.....   | 72   | 29            |                    |       |                    | 43     |                    |     |          |
| Paper and wood pulp.....  | 1,162  |               |                    |       | 57                 | 680    | 329                | 96  |          |
| Patent medicines and compounds and druggists' preparations.....                 | 196  | 1             | 181                | 7     |                    | 7      |                    |     |          |
| Pottery, terra-cotta, and fire-clay products.....                               | 2,034  | 1,201         | 217                | 420   | 33                 | 163    |                    |     |          |
| Printing and publishing.....  | 1,255  | 601           | 35                 | 479   | 41                 | 99     |                    |     |          |
| Slaughtering and meat packing.....  | 167  |               |                    |       |                    | 21     | 146                |     |          |
| Tin plate and terneplate.....   | 1,335  | 523           |                    | 456   | 356                |        |                    |     |          |
| Woolen, worsted, and felt goods, and wool hats.....                             | 599  |               |                    | 4     | 1                  | 594    |                    |     |          |
| All other industries.....   | 8,000  | 535           | 114                | 785   | 2,586              | 3,215  | 200                | 54  | 511      |

These figures show that for more than two-thirds of the wage earners employed in the manufacturing industries of West Virginia the usual hours of labor ranged from 54 to 60 a week, only 16.2 per cent of the total working in establishments where the prevailing hours were less than 54 a week, and 12.9 per cent in establishments where they were more than 60 a week.

Practically one-half, 49.3 per cent, of the wage earners, including the great majority of those engaged in the making of coke, in the tanning, currying, and finishing of leather, and in the lumber industry, are employed 60 hours a week. Nearly all of the wage earners engaged in the manufacture of glass; pottery, terra-cotta, and fire-clay products; and tin plate and terneplate, however, are employed in plants where the prevailing hours are less than 60 a week.

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

In 1909 only 28.6 per cent of the total value of products was reported from the six cities having over 10,000 inhabitants, and 24.3 per cent of the average

number of wage earners were employed in such cities. The figures indicate that the proportion of manufacturing in the outside districts, which was already large in 1899, increased decidedly during the following decade. This increase is the result, in part, of the increased activity in the lumber and in the coke industries, both of which are carried on principally in the outside districts. The fact that the statistics for Bluefield and Martinsburg were included in those for the outside territory in 1899 and in those for the cities in 1909 makes these gains even more conspicuous.

| ITEM.                               | Year.        | Total.                      | LOCATION OF ESTABLISHMENTS.                   |                             | PER CENT OF TOTAL.                            |                    |
|-------------------------------------|--------------|-----------------------------|---|-----------------------------|---|--------------------|
|                                     |              |                             | In cities with population of 10,000 and over. | Outside districts.          | In cities with population of 10,000 and over. | Outside districts. |
| Population.....                     | 1910<br>1900 | 1,221,119<br>958,800        | 135,526<br>73,603                             | 1,085,593<br>885,197        | 11.1<br>7.7                                   | 88.9<br>92.3       |
| Number of establishments.....       | 1909<br>1899 | 2,586<br>1,824              | 435<br>327                                    | 2,151<br>1,497              | 16.8<br>17.9                                  | 83.2<br>82.1       |
| Average number of wage earners..... | 1909<br>1899 | 63,893<br>33,080            | 15,501<br>9,830                               | 48,392<br>23,250            | 24.3<br>29.7                                  | 75.7<br>70.3       |
| Value of products.....              | 1909<br>1899 | \$161,949,526<br>67,006,822 | \$46,302,723<br>23,079,313                    | \$115,646,803<br>43,927,509 | 28.6<br>34.4                                  | 71.4<br>65.6       |
| Value added by manufacture.....     | 1909<br>1899 | 69,071,538<br>29,778,569    | 19,032,710<br>9,630,783                       | 50,038,828<br>20,147,786    | 27.6<br>32.3                                  | 72.4<br>67.7       |

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

| CITY.           | 1910   | 1900   | CITY.            | 1910   | 1900   |
|-----------------|--------|--------|------------------|--------|--------|
| Wheeling.....   | 41,641 | 38,878 | Parkersburg..... | 17,842 | 11,703 |
| Huntington..... | 31,161 | 11,923 | Bluefield.....   | 11,188 | 4,644  |
| Charleston..... | 22,996 | 11,099 | Martinsburg..... | 10,668 | 7,564  |

The relative importance in manufactures of each of these six cities is shown in the following table, in which the value of products and average number of wage earners are shown separately for 1909, 1904, and 1899:

| CITY.                         | AVERAGE NUMBER OF WAGE EARNERS. |                  |                  | VALUE OF PRODUCTS. |                  |                  |
|-------------------------------|---------------------------------|------------------|------------------|--------------------|------------------|------------------|
|                               | 1909                            | 1904             | 1899             | 1909               | 1904             | 1899             |
| Wheeling <sup>1</sup> .....   | 7,809                           | 7,127            | 6,190            | \$27,077,151       | \$21,797,475     | \$15,074,345     |
| Huntington.....               | 3,156                           | 2,229            | 1,717            | 6,511,260          | 4,407,153        | 3,642,565        |
| Parkersburg.....              | 1,495                           | 1,444            | 1,237            | 5,498,452          | 3,778,139        | 3,100,588        |
| Charleston <sup>1</sup> ..... | 951                             | 887              | 686              | 3,235,303          | 2,100,470        | 1,261,815        |
| Martinsburg.....              | 1,420                           | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 2,515,458          | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Bluefield.....                | 670                             | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 1,465,039          | ( <sup>2</sup> ) | ( <sup>2</sup> ) |

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

<sup>2</sup> Figures not available.

Each of the four cities for which comparative figures are available shows an increase in value of products for each of the five-year periods. The percentages of increase for Huntington and Parkersburg were much greater from 1904 to 1909 than from 1899 to 1904, while those for Wheeling and Charleston were greater during the earlier period. From 1904 to 1909 the greatest relative gain in value of products, 54 per cent, was made by Charleston, as a result in part of the increased output of its flour mills and gristmills, foundries and machine shops, and sawmills and planing mills. The next largest increase, 47.7 per cent, is shown for Huntington, and is due in part to the establishment of new plants manufacturing boots and shoes, malt liquors, and looking-glass and picture frames, and turning and carving wood, as well as to the increased production of the steam-railroad repair shops, steel works and rolling mills, furniture factories, and flour mills and gristmills. Parkersburg shows a gain in value of products of 45.5 per cent, as against 21.9 per cent from 1899 to 1904. The manufacturing activity of this city is due in a measure to its proximity to the

oil fields. The chief industries are foundries and machine shops, petroleum refining, oil, "not elsewhere specified," steam-railroad repair shops, and flour-mill and gristmill products.

Wheeling, the largest and most important city in the state, shows a diversity of manufacturing. The total value of products increased 44.6 per cent during the earlier five-year period, as compared with an increase of only 24.2 per cent from 1904 to 1909. The principal industries in 1909 were galvanizing, steel works and rolling mills, blast furnaces, breweries, and the manufacture of patent medicines, tin plate and terneplate, and tobacco products. These seven industries combined contributed 69.2 per cent of the total value of manufactured products reported for the city.

The two leading industries in Martinsburg were the manufacture of hosiery and knit goods and of woolen goods, and in Bluefield, steam-railroad repair shops and flour-mill and gristmill products.

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

The most important distinction shown is that between corporate and all other forms of ownership. For all industries combined, 31.4 per cent of the total number of establishments were in 1909 under corporate ownership, as against 68.6 per cent under all other forms. The corresponding figures for 1904 were 30.3 per cent and 69.7 per cent, respectively. When measured by value of products the establishments under corporate ownership are the more important. In 1909 the establishments operated by corporations reported 86.7 per cent of the total value, as against 13.3 per cent for those under all other forms of ownership, while in 1904 the corresponding figures were 79.7 per cent and 20.3 per cent, respectively. The establishments operated by firms represented 22.4 per cent of the total number of establishments in 1909, as compared with 25.7 per cent in 1904.

| INDUSTRY AND CHARACTER OF OWNERSHIP.              | Number of establishments. | Average number of wage earners. | Value of products. | Value added by manufacture. | INDUSTRY AND CHARACTER OF OWNERSHIP.           | Number of establishments. | Average number of wage earners. | Value of products. | Value added by manufacture. |
|---|---------------------------|---------------------------------|--------------------|-----------------------------|--|---------------------------|---------------------------------|--------------------|-----------------------------|
| <b>ALL INDUSTRIES:</b>                            |                           |                                 |                    |                             | <b>Foundry and machine-shop products, 1909</b> |                           |                                 |                    |                             |
| 1909.....   | 2,586                     | 63,893                          | \$161,949,526      | \$69,071,538                | Individual.....                                | 83                        | 1,354                           | \$3,391,930        | \$1,632,252                 |
| 1904.....   | 2,109                     | 43,758                          | 99,040,676         | 44,621,476                  | Firm.....                                      | 27                        | 144                             | 286,552            | 155,531                     |
| Individual:                                       |                           |                                 |                    |                             | Corporation.....                               | 18                        | 122                             | 356,851            | 173,613                     |
| 1909.....   | 1,188                     | 6,113                           | 11,080,973         | 6,226,769                   | Corporation.....                               | 38                        | 1,088                           | 2,748,527          | 1,303,108                   |
| 1904.....   | 920                       | 4,922                           | 10,014,225         | 5,520,148                   | Per cent of total.....                         | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Firm:   |                           |                                 |                    |                             | Individual.....                                | 32.5                      | 10.6                            | 8.4                | 9.5                         |
| 1909.....   | 579                       | 4,422                           | 10,293,351         | 4,948,918                   | Firm.....                                      | 21.7                      | 9.0                             | 10.5               | 10.6                        |
| 1904.....   | 542                       | 3,556                           | 9,557,940          | 4,369,886                   | Corporation.....                               | 45.8                      | 80.4                            | 81.0               | 79.8                        |
| Corporation:                                      |                           |                                 |                    |                             | <b>Glass, 1909</b>                             |                           |                                 |                    |                             |
| 1909.....   | 813                       | 53,306                          | 140,385,264        | 57,737,308                  | Individual.....                                | 51                        | 6,190                           | \$7,779,483        | \$5,483,555                 |
| 1904.....   | 638                       | 35,065                          | 78,951,053         | 34,439,463                  | Firm.....                                      | 4                         | 40                              | 49,969             | 37,189                      |
| Other:  |                           |                                 |                    |                             | Corporation.....                               | 5                         | 84                              | 72,213             | 59,101                      |
| 1909.....   | 6                         | 52                              | 183,938            | 158,543                     | Corporation.....                               | 42                        | 6,066                           | 7,657,301          | 5,887,265                   |
| 1904.....   | 9                         | 215                             | 517,458            | 291,973                     | Per cent of total.....                         | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Per cent of total:                                |                           |                                 |                    |                             | Individual.....                                | 9.8                       | 0.7                             | 0.6                | 0.7                         |
| 1909.....   | 100.0                     | 100.0                           | 100.0              | 100.0                       | Firm.....                                      | 7.8                       | 1.3                             | 0.9                | 1.1                         |
| 1904.....   | 100.0                     | 100.0                           | 100.0              | 100.0                       | Corporation.....                               | 82.4                      | 98.0                            | 98.4               | 98.2                        |
| Individual:                                       |                           |                                 |                    |                             | <b>Lumber and timber products, 1909</b>        |                           |                                 |                    |                             |
| 1909.....   | 45.9                      | 9.6                             | 6.8                | 9.0                         | Individual.....                                | 1,016                     | 18,643                          | \$28,758,481       | \$20,082,394                |
| 1904.....   | 43.6                      | 11.2                            | 10.1               | 12.4                        | Individual.....                                | 549                       | 3,249                           | 4,137,601          | 2,846,554                   |
| Firm:   |                           |                                 |                    |                             | Firm.....                                      | 294                       | 3,074                           | 4,353,467          | 3,109,076                   |
| 1909.....   | 22.4                      | 6.9                             | 6.4                | 7.2                         | Corporation.....                               | 173                       | 12,320                          | 20,257,413         | 14,126,764                  |
| 1904.....   | 25.7                      | 8.1                             | 9.6                | 9.8                         | Per cent of total.....                         | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Corporation:                                      |                           |                                 |                    |                             | Individual.....                                | 54.0                      | 17.4                            | 14.4               | 14.2                        |
| 1909.....   | 31.4                      | 83.4                            | 86.7               | 83.6                        | Firm.....                                      | 28.9                      | 16.5                            | 15.1               | 15.5                        |
| 1904.....   | 30.3                      | 80.1                            | 79.7               | 77.2                        | Corporation.....                               | 17.0                      | 66.1                            | 70.5               | 70.3                        |
| Other:  |                           |                                 |                    |                             | <b>Printing and publishing, 1909</b>           |                           |                                 |                    |                             |
| 1909.....   | 0.2                       | 0.1                             | 0.1                | 0.2                         | Individual.....                                | 235                       | 1,255                           | \$1,992,036        | \$1,451,498                 |
| 1904.....   | 0.4                       | 0.5                             | 0.5                | 0.7                         | Individual.....                                | 132                       | 296                             | 493,579            | 384,493                     |
| <b>Copper, tin, and sheet-iron products, 1909</b> |                           |                                 |                    |                             | Firm.....                                      | 32                        | 87                              | 134,993            | 101,732                     |
| Individual.....                                   | 19                        | 916                             | \$2,150,789        | \$796,565                   | Corporation.....                               | 68                        | 872                             | 1,353,748          | 960,557                     |
| Individual.....                                   | 3                         | 14                              | 32,965             | 16,472                      | Other.....                                     | 3                         |                                 | 4,716              | 4,716                       |
| Firm.....   | 5                         | 17                              | 32,935             | 19,793                      | Per cent of total.....                         | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Corporation.....                                  | 11                        | 885                             | 2,084,899          | 760,300                     | Individual.....                                | 56.2                      | 23.6                            | 25.0               | 25.5                        |
| Per cent of total:                                |                           |                                 |                    |                             | Firm.....                                      | 13.6                      | 6.9                             | 6.8                | 7.0                         |
| 1909.....   | 100.0                     | 100.0                           | 100.0              | 100.0                       | Corporation.....                               | 28.9                      | 69.5                            | 68.0               | 66.2                        |
| 1904.....   | 15.8                      | 1.5                             | 1.5                | 2.1                         | Other.....                                     | 1.3                       |                                 | 0.2                | 0.3                         |
| Firm.....   | 26.3                      | 1.9                             | 1.5                | 2.5                         | <b>Flour-mill and gristmill products, 1909</b> |                           |                                 |                    |                             |
| Corporation.....                                  | 57.0                      | 96.6                            | 96.9               | 95.4                        | Individual.....                                | 207                       | 452                             | \$7,695,801        | \$1,094,654                 |
| <b>Flour-mill and gristmill products, 1909</b>    |                           |                                 |                    |                             | Individual.....                                | 90                        | 126                             | 1,517,216          | 278,370                     |
| Individual.....                                   | 207                       | 452                             | \$7,695,801        | \$1,094,654                 | Firm.....                                      | 79                        | 106                             | 1,302,351          | 254,224                     |
| Individual.....                                   | 90                        | 126                             | 1,517,216          | 278,370                     | Corporation.....                               | 38                        | 220                             | 4,736,234          | 561,660                     |
| Firm.....   | 79                        | 106                             | 1,302,351          | 254,224                     | Per cent of total.....                         | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Corporation.....                                  | 38                        | 220                             | 4,736,234          | 561,660                     | Individual.....                                | 43.5                      | 27.9                            | 19.7               | 25.5                        |
| Per cent of total:                                |                           |                                 |                    |                             | Firm.....                                      | 38.2                      | 23.5                            | 18.1               | 23.2                        |
| 1909.....   | 100.0                     | 100.0                           | 100.0              | 100.0                       | Corporation.....                               | 18.4                      | 48.7                            | 62.2               | 51.3                        |
| 1904.....   | 43.5                      | 27.9                            | 19.7               | 25.5                        |  |                           |                                 |                    |                             |
| Firm.....   | 38.2                      | 23.5                            | 18.1               | 23.2                        |  |                           |                                 |                    |                             |
| Corporation.....                                  | 18.4                      | 48.7                            | 62.2               | 51.3                        |  |                           |                                 |                    |                             |

**Size of establishment.**—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it the next table groups the establishments according to the value of their products. The table also shows the average size of establishments for all industries combined and for certain important industries separately, as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries are shown for the last two censuses, while for individual industries figures are given for 1909 only.

This table shows that, in 1909, of the 2,586 establishments only 33, or 1.3 per cent, had a value of products exceeding \$1,000,000. These establishments, however, reported 23.1 per cent of the total average number of wage earners, 38.6 per cent of the total value of products, and 27.2 per cent of the total value added by manufacture.

On the other hand, the very small establishments—that is, those having a value of products of less than

\$5,000—constituted a very considerable proportion (41.8 per cent) of the total number of establishments, but the value of their products amounted to only 1.6 per cent of the total. The great bulk of the manufacturing was reported by establishments having a product valued at not less than \$100,000.

It will be seen from the table that during the five years from 1904 to 1909 there was a considerable increase as measured by value of products in the relative importance of the largest establishments—those reporting products of not less than \$1,000,000 in value—and a decrease in that of all other classes.

The fact that the average value of products per establishment increased from \$46,961 to \$62,625, and the average value added by manufacture from \$21,158 to \$26,710, should not be taken as in itself indicating a tendency toward concentration. The increased values shown may be, and probably are, due in part to the increase that has taken place in the prices of commodities.

The average number of wage earners per establishment increased from 21 to 25.

| INDUSTRY AND VALUE OF PRODUCTS.                        | Number of establishments. | Average number of wage earners. | Value of products. | Value added by manufacture. | INDUSTRY AND VALUE OF PRODUCTS.                           | Number of establishments. | Average number of wage earners. | Value of products. | Value added by manufacture. |
|--|---------------------------|---------------------------------|--------------------|-----------------------------|---|---------------------------|---------------------------------|--------------------|-----------------------------|
| <b>ALL INDUSTRIES:</b>                                 |                           |                                 |                    |                             |   |                           |                                 |                    |                             |
| 1909.....  | 2,586                     | 63,893                          | \$161,949,526      | \$69,071,538                | <b>Flour-mill and gristmill products, 1909—Continued.</b> |                           |                                 |                    |                             |
| 1904.....  | 2,109                     | 43,758                          | 99,040,876         | 44,621,470                  | Per cent of total.....                                    | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Less than \$5,000:                                     |                           |                                 |                    |                             | Less than \$5,000.....                                    | 18.4                      | 5.8                             | 1.4                | 1.9                         |
| 1909.....  | 1,082                     | 1,988                           | 2,548,624          | 1,734,907                   | \$5,000 and less than \$20,000.....                       | 44.9                      | 23.2                            | 13.5               | 19.6                        |
| 1904.....  | 775                       | 1,180                           | 1,818,126          | 1,209,794                   | \$20,000 and less than \$100,000.....                     | 32.4                      | 36.3                            | 33.7               | 38.9                        |
| \$5,000 and less than \$20,000:                        |                           |                                 |                    |                             | \$100,000 and less than \$1,000,000.....                  | 6.3                       | 34.7                            | 51.4               | 39.6                        |
| 1909.....  | 750                       | 4,240                           | 7,566,470          | 4,352,873                   | Average per establishment.....                            | .....                     | 2                               | \$37,178           | \$5,288                     |
| 1904.....  | 707                       | 3,914                           | 7,340,887          | 4,036,852                   | <b>Foundry and machine-shop products, 1909.....</b>       | 83                        | 1,354                           | \$3,391,930        | \$1,632,252                 |
| \$20,000 and less than \$100,000:                      |                           |                                 |                    |                             | Less than \$5,000.....                                    | 22                        | 45                              | 65,683             | 37,711                      |
| 1909.....  | 462                       | 10,384                          | 21,017,729         | 10,417,819                  | \$5,000 and less than \$20,000.....                       | 25                        | 146                             | 242,844            | 160,587                     |
| 1904.....  | 443                       | 10,667                          | 19,041,458         | 10,011,781                  | \$20,000 and less than \$100,000.....                     | 29                        | 587                             | 1,418,302          | 731,322                     |
| \$100,000 and less than \$1,000,000:                   |                           |                                 |                    |                             | \$100,000 and less than \$1,000,000.....                  | 7                         | 576                             | 1,665,011          | 702,632                     |
| 1909.....  | 250                       | 32,553                          | 68,334,808         | 33,764,126                  | Per cent of total.....                                    | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| 1904.....  | 170                       | 21,487                          | 45,685,216         | 21,889,469                  | Less than \$5,000.....                                    | 26.5                      | 3.3                             | 1.9                | 2.3                         |
| \$1,000,000 and over:                                  |                           |                                 |                    |                             | \$5,000 and less than \$20,000.....                       | 30.1                      | 10.8                            | 7.2                | 9.8                         |
| 1909.....  | 33                        | 14,728                          | 62,481,895         | 18,801,813                  | \$20,000 and less than \$100,000.....                     | 34.9                      | 43.4                            | 41.8               | 44.8                        |
| 1904.....  | 14                        | 6,520                           | 25,154,989         | 7,473,574                   | \$100,000 and less than \$1,000,000.....                  | 8.4                       | 42.5                            | 49.1               | 43.0                        |
| Per cent of total:                                     |                           |                                 |                    |                             | Average per establishment.....                            | .....                     | 16                              | \$40,867           | \$19,660                    |
| 1909.....  | 100.0                     | 100.0                           | 100.0              | 100.0                       | <b>Glass, 1909.....</b>                                   | 51                        | 6,190                           | \$7,779,483        | \$5,483,555                 |
| 1904.....  | 100.0                     | 100.0                           | 100.0              | 100.0                       | \$5,000 and less than \$20,000 <sup>2</sup> .....         | 7                         | 40                              | 37,675             | 29,349                      |
| Less than \$5,000:                                     |                           |                                 |                    |                             | \$20,000 and less than \$100,000.....                     | 15                        | 755                             | 844,316            | 579,102                     |
| 1909.....  | 41.8                      | 3.1                             | 1.6                | 2.5                         | \$100,000 and less than \$1,000,000.....                  | 29                        | 5,395                           | 6,897,492          | 4,875,104                   |
| 1904.....  | 36.7                      | 2.7                             | 1.8                | 2.7                         | Per cent of total.....                                    | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| \$5,000 and less than \$20,000:                        |                           |                                 |                    |                             | Less than \$5,000.....                                    | 13.7                      | 0.6                             | 0.5                | 0.5                         |
| 1909.....  | 29.4                      | 6.6                             | 4.7                | 6.3                         | \$5,000 and less than \$20,000.....                       | 29.4                      | 12.2                            | 10.9               | 10.6                        |
| 1904.....  | 33.5                      | 8.9                             | 7.4                | 9.0                         | \$100,000 and less than \$1,000,000.....                  | 56.9                      | 87.2                            | 88.7               | 88.9                        |
| \$20,000 and less than \$100,000:                      |                           |                                 |                    |                             | Average per establishment.....                            | .....                     | 121                             | \$162,539          | \$107,521                   |
| 1909.....  | 17.9                      | 16.3                            | 13.0               | 15.1                        | <b>Lumber and timber products, 1909.....</b>              | 1,016                     | 18,643                          | \$23,758,481       | \$20,082,394                |
| 1904.....  | 21.0                      | 24.4                            | 19.2               | 22.4                        | Less than \$5,000.....                                    | 524                       | 1,130                           | 1,185,419          | 880,883                     |
| \$100,000 and less than \$1,000,000:                   |                           |                                 |                    |                             | \$5,000 and less than \$20,000.....                       | 294                       | 2,286                           | 2,839,905          | 2,002,584                   |
| 1909.....  | 9.7                       | 50.9                            | 42.2               | 48.9                        | \$20,000 and less than \$100,000.....                     | 128                       | 3,379                           | 5,847,802          | 3,467,986                   |
| 1904.....  | 8.1                       | 49.1                            | 46.1               | 49.1                        | \$100,000 and less than \$1,000,000 <sup>3</sup> .....    | 70                        | 11,848                          | 18,885,355         | 13,730,941                  |
| \$1,000,000 and over:                                  |                           |                                 |                    |                             | Per cent of total.....                                    | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| 1909.....  | 1.3                       | 23.1                            | 38.6               | 27.2                        | Less than \$5,000.....                                    | 61.6                      | 6.1                             | 4.1                | 4.4                         |
| 1904.....  | 0.7                       | 14.9                            | 25.4               | 16.7                        | \$5,000 and less than \$20,000.....                       | 28.9                      | 12.3                            | 9.9                | 10.0                        |
| Average per establishment:                             |                           |                                 |                    |                             | \$20,000 and less than \$100,000.....                     | 12.6                      | 18.1                            | 20.3               | 17.3                        |
| 1909.....  | .....                     | 25                              | \$62,625           | \$26,710                    | \$100,000 and less than \$1,000,000 <sup>3</sup> .....    | 6.9                       | 63.6                            | 65.7               | 68.4                        |
| 1904.....  | .....                     | 21                              | 46,961             | 21,158                      | Average per establishment.....                            | .....                     | 18                              | \$23,306           | \$19,706                    |
| <b>Copper, tin, and sheet-iron products, 1909.....</b> | 19                        | 916                             | \$2,150,789        | \$796,565                   | <b>Printing and publishing, 1909.....</b>                 | 235                       | 1,255                           | \$1,992,036        | \$1,451,498                 |
| Less than \$5,000.....                                 | 3                         | 3                               | 9,955              | 6,351                       | Less than \$5,000.....                                    | 168                       | 274                             | 368,047            | 290,596                     |
| \$5,000 and less than \$20,000 <sup>1</sup> .....      | 10                        | 59                              | 136,765            | 73,394                      | \$5,000 and less than \$20,000.....                       | 64                        | 315                             | 477,927            | 370,669                     |
| \$100,000 and less than \$1,000,000.....               | 6                         | 854                             | 2,004,639          | 716,820                     | \$20,000 and less than \$100,000 <sup>4</sup> .....       | 23                        | 666                             | 1,146,062          | 790,233                     |
| Per cent of total.....                                 | 100.0                     | 100.0                           | 100.0              | 100.0                       | Per cent of total.....                                    | 100.0                     | 100.0                           | 100.0              | 100.0                       |
| Less than \$5,000.....                                 | 15.8                      | 0.3                             | 0.5                | 0.8                         | Less than \$5,000.....                                    | 67.2                      | 21.8                            | 18.5               | 20.0                        |
| \$5,000 and less than \$20,000 <sup>1</sup> .....      | 52.6                      | 6.4                             | 6.3                | 9.2                         | \$5,000 and less than \$20,000.....                       | 23.0                      | 25.1                            | 24.0               | 25.5                        |
| \$100,000 and less than \$1,000,000.....               | 31.6                      | 93.2                            | 93.2               | 90.0                        | \$20,000 and less than \$100,000 <sup>4</sup> .....       | 9.8                       | 53.1                            | 57.5               | 54.4                        |
| Average per establishment.....                         | .....                     | 48                              | \$113,199          | \$41,924                    | Average per establishment.....                            | .....                     | 5                               | \$3,477            | \$6,177                     |
| <b>Flour-mill and gristmill products, 1909.....</b>    | 207                       | 452                             | \$7,695,801        | \$1,094,654                 |   |                           |                                 |                    |                             |
| Less than \$5,000.....                                 | 34                        | 26                              | 109,153            | 20,702                      |   |                           |                                 |                    |                             |
| \$5,000 and less than \$20,000.....                    | 93                        | 105                             | 1,037,257          | 214,799                     |   |                           |                                 |                    |                             |
| \$20,000 and less than \$100,000.....                  | 67                        | 164                             | 2,694,193          | 426,012                     |   |                           |                                 |                    |                             |
| \$100,000 and less than \$1,000,000.....               | 13                        | 157                             | 3,955,198          | 433,141                     |   |                           |                                 |                    |                             |

<sup>1</sup> Includes the group "\$20,000 and less than \$100,000."  
<sup>2</sup> Includes the group "Less than \$5,000."

<sup>3</sup> Includes the group "\$1,000,000 and over."  
<sup>4</sup> Includes the group "\$100,000 and less than \$1,000,000."

In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed. The next table shows, for 1909, such a classification for all industries combined and for 15 important industries individually, and gives not only the number of establishments falling into each group but also the average number of wage earners employed.

Of the 2,586 establishments reported for all industries, 7.7 per cent employed no wage earners; 54.8 per cent, from 1 to 5; 19.4 per cent, from 6 to 20; and 8.1 per cent, from 21 to 50. The most numerous single group consists of the 1,417 establishments employing from 1 to 5 wage earners and the next of the 503 es-

tablishments employing from 6 to 20 wage earners. There were 50 establishments that employed over 250 wage earners each; of these, 18 employed over 500, and 2 employed over 1,000 each, 1 being a steel works and rolling mill and the other a steam-railroad repair shop.

Of the total number of wage earners, 39.3 per cent were in establishments employing over 250 wage earners. The single group having the largest number of wage earners was the group comprising the establishments employing from 101 to 250 each. This group employed 14,893 wage earners, or 23.3 per cent of the total. The individual industries listed in this table but not in the preceding one are all industries in which comparatively large establishments do most of the business, as appears from the classification according to the number of wage earners.

| INDUSTRY.  | Total. | ESTABLISHMENTS EMPLOYING— |                      |                       |                        |                         |                          |                          |                            |                          |
|--|--------|---------------------------|----------------------|-----------------------|------------------------|-------------------------|--------------------------|--------------------------|----------------------------|--------------------------|
|  |        | No wage earners.          | 1 to 5 wage earners. | 6 to 20 wage earners. | 21 to 50 wage earners. | 51 to 100 wage earners. | 101 to 250 wage earners. | 251 to 500 wage earners. | 501 to 1,000 wage earners. | Over 1,000 wage earners. |
| NUMBER OF ESTABLISHMENTS.  |        |                           |                      |                       |                        |                         |                          |                          |                            |                          |
| <b>All industries</b>  | 2,586  | 200                       | 1,417                | 503                   | 209                    | 114                     | 93                       | 32                       | 16                         | 2                        |
| Cars and general shop construction and repairs by steam-railroad companies | 24     |                           |                      | 5                     | 2                      | 4                       | 6                        | 4                        | 2                          | 1                        |
| Coke   | 71     |                           | 5                    | 0                     | 32                     | 19                      | 4                        |                          | 2                          |                          |
| Copper, tin, and sheet-iron products                                       | 19     |                           | 9                    | 5                     | 1                      | 1                       | 2                        | 1                        |                            |                          |
| Flour-mill and gristmill products  | 207    | 32                        | 160                  | 13                    | 2                      |                         |                          |                          |                            |                          |
| Foundry and machine-shop products  | 83     | 3                         | 34                   | 30                    | 12                     | 3                       |                          | 1                        |                            |                          |
| Glass  | 51     |                           | 5                    | 4                     | 7                      | 11                      | 18                       | 5                        | 1                          |                          |
| Iron and steel, steel works and rolling mills                              | 15     |                           |                      | 1                     | 1                      | 2                       | 3                        | 7                        | 1                          | 1                        |
| Leather, tanned, curried, and finished                                     | 20     | 1                         | 4                    |                       | 5                      | 4                       | 5                        | 1                        |                            |                          |
| Liquors, malt  | 13     |                           |                      | 7                     | 3                      | 3                       |                          |                          |                            |                          |
| Lumber and timber products   | 1,015  | 34                        | 604                  | 231                   | 70                     | 30                      | 32                       | 6                        | 3                          |                          |
| Paper and wood pulp  | 9      |                           |                      |                       | 4                      | 2                       |                          |                          | 1                          |                          |
| Pottery, terra-cotta, and fire-clay products                               | 15     |                           |                      | 3                     | 2                      | 5                       |                          |                          |                            |                          |
| Printing and publishing  | 235    | 30                        | 161                  | 34                    | 8                      |                         | 4                        |                          |                            |                          |
| Slaughtering and meat packing  | 6      |                           |                      | 5                     |                        |                         | 1                        |                          |                            |                          |
| Tin plate and terneplate   | 6      |                           |                      |                       | 1                      |                         | 4                        |                          | 1                          |                          |
| All other industries   | 794    | 100                       | 494                  | 150                   | 53                     | 30                      | 10                       | 7                        | 4                          |                          |
| AVERAGE NUMBER OF WAGE EARNERS.  |        |                           |                      |                       |                        |                         |                          |                          |                            |                          |
| <b>All industries</b>  | 63,893 |                           | 3,266                | 5,460                 | 7,043                  | 8,140                   | 14,893                   | 11,298                   | 11,095                     | 2,698                    |
| Cars and general shop construction and repairs by steam-railroad companies | 5,652  |                           |                      | 48                    | 79                     | 282                     | 1,069                    | 1,592                    | 1,047                      | 1,535                    |
| Coke   | 4,426  |                           | 17                   | 122                   | 1,077                  | 1,229                   | 696                      |                          | 1,285                      |                          |
| Copper, tin, and sheet-iron products                                       | 916    |                           | 24                   | 57                    | 38                     | 68                      | 325                      | 404                      |                            |                          |
| Flour-mill and gristmill products  | 452    |                           | 277                  | 114                   | 61                     |                         |                          |                          |                            |                          |
| Foundry and machine-shop products  | 1,354  |                           | 87                   | 354                   | 385                    | 202                     |                          | 326                      |                            |                          |
| Glass  | 6,190  |                           | 12                   | 51                    | 214                    | 864                     | 2,647                    | 1,774                    | 628                        |                          |
| Iron and steel, steel works and rolling mills                              | 5,080  |                           |                      | 13                    | 44                     | 104                     | 489                      | 2,537                    | 650                        | 1,163                    |
| Leather, tanned, curried, and finished                                     | 1,571  |                           | 4                    |                       | 214                    | 288                     | 759                      | 306                      |                            |                          |
| Liquors, malt  | 415    |                           |                      | 104                   | 84                     | 227                     |                          |                          |                            |                          |
| Lumber and timber products   | 18,643 |                           | 1,465                | 2,464                 | 2,533                  | 2,227                   | 5,225                    | 1,994                    | 2,746                      |                          |
| Paper and wood pulp  | 1,162  |                           |                      |                       | 139                    | 111                     | 329                      |                          | 583                        |                          |
| Pottery, terra-cotta, and fire-clay products                               | 2,034  |                           | 2                    | 41                    | 70                     | 370                     | 701                      |                          | 850                        |                          |
| Printing and publishing  | 1,255  |                           | 390                  | 356                   | 273                    |                         | 236                      |                          |                            |                          |
| Slaughtering and meat packing  | 187    |                           |                      | 59                    |                        |                         | 108                      |                          |                            |                          |
| Tin plate and terneplate   | 1,335  |                           |                      |                       | 38                     |                         | 775                      |                          | 522                        |                          |
| All other industries   | 13,251 |                           | 998                  | 1,677                 | 1,794                  | 2,109                   | 1,534                    | 2,365                    | 2,784                      |                          |
| PER CENT OF AVERAGE NUMBER OF WAGE EARNERS.                                |        |                           |                      |                       |                        |                         |                          |                          |                            |                          |
| <b>All industries</b>  | 100.0  |                           | 5.1                  | 8.5                   | 11.0                   | 12.7                    | 23.3                     | 17.7                     | 17.4                       | 4.2                      |
| Cars and general shop construction and repairs by steam-railroad companies | 100.0  |                           |                      | 0.8                   | 1.4                    | 5.0                     | 18.9                     | 28.2                     | 18.5                       | 27.2                     |
| Coke   | 100.0  |                           | 0.4                  | 2.8                   | 24.3                   | 27.8                    | 15.7                     |                          | 29.0                       |                          |
| Copper, tin, and sheet-iron products                                       | 100.0  |                           | 2.6                  | 6.2                   | 4.1                    | 7.4                     |                          | 44.1                     |                            |                          |
| Flour-mill and gristmill products  | 100.0  |                           | 61.3                 | 25.2                  | 13.5                   |                         |                          |                          |                            |                          |
| Foundry and machine-shop products  | 100.0  |                           | 6.4                  | 26.1                  | 28.4                   | 14.9                    |                          | 24.1                     |                            |                          |
| Glass  | 100.0  |                           | 0.2                  | 0.8                   | 3.5                    | 14.0                    | 42.8                     | 28.7                     | 10.1                       |                          |
| Iron and steel, steel works and rolling mills                              | 100.0  |                           |                      | 0.3                   | 0.9                    | 3.2                     | 9.7                      | 50.1                     | 12.8                       | 23.0                     |
| Leather, tanned, curried, and finished                                     | 100.0  |                           | 0.3                  |                       | 13.6                   | 18.3                    | 48.3                     | 19.5                     |                            |                          |
| Liquors, malt  | 100.0  |                           |                      | 25.1                  | 20.2                   | 54.7                    |                          |                          |                            |                          |
| Lumber and timber products   | 100.0  |                           | 7.8                  | 13.2                  | 13.6                   | 11.9                    | 28.0                     | 10.7                     | 14.7                       |                          |
| Paper and wood pulp  | 100.0  |                           |                      |                       | 12.0                   | 9.6                     | 28.3                     |                          | 50.2                       |                          |
| Pottery, terra-cotta, and fire-clay products                               | 100.0  |                           | 0.1                  | 2.0                   | 3.4                    | 18.2                    | 34.5                     |                          | 41.8                       |                          |
| Printing and publishing  | 100.0  |                           | 31.1                 | 28.4                  | 21.8                   |                         | 18.8                     |                          |                            |                          |
| Slaughtering and meat packing  | 100.0  |                           |                      | 35.3                  |                        |                         | 64.7                     |                          |                            |                          |
| Tin plate and terneplate   | 100.0  |                           |                      |                       | 2.8                    |                         | 58.1                     |                          | 39.1                       |                          |
| All other industries   | 100.0  |                           | 7.5                  | 12.6                  | 13.5                   | 15.9                    | 11.6                     | 17.8                     | 21.0                       |                          |

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

The following table shows, for 1909, in percentages, the distribution of expenses among the classes indicated for all industries combined and for certain important industries separately. The figures on which the percentages are based appear in Table II, page 656.

This table shows that, for all industries combined, 64.2 per cent of the total expenses was incurred for materials, 26.7 per cent for services—that is, salaries and wages—and but 9 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. The large percentage of miscellaneous expenses in the brewery industry is due

to the inclusion under that head of internal-revenue taxes.

| INDUSTRY.  | PER CENT OF TOTAL EXPENSES REPORTED. |        |            |                         |
|--|--------------------------------------|--------|------------|-------------------------|
|  | Salaries.                            | Wages. | Materials. | Miscellaneous expenses. |
| <b>All industries</b>  | 3.9                                  | 22.8   | 64.2       | 9.0                     |
| Cars and general shop construction and repairs by steam-railroad companies | 3.7                                  | 47.1   | 45.5       | 3.8                     |
| Coke   | 3.8                                  | 22.8   | 68.6       | 4.8                     |
| Copper, tin, and sheet-iron products                                       | 4.0                                  | 20.0   | 70.7       | 5.3                     |
| Flour-mill and gristmill products  | 1.6                                  | 3.0    | 92.9       | 2.6                     |
| Foundry and machine-shop products  | 8.0                                  | 27.6   | 59.2       | 5.2                     |
| Glass  | 6.2                                  | 51.5   | 32.6       | 9.7                     |
| Iron and steel, steel works and rolling mills                              | 2.2                                  | 18.8   | 76.8       | 2.1                     |
| Leather, tanned, curried, and finished                                     | 1.7                                  | 6.5    | 86.6       | 5.3                     |
| Liquors, malt  | 8.1                                  | 14.4   | 29.8       | 47.7                    |
| Lumber and timber products   | 4.9                                  | 38.4   | 38.6       | 18.1                    |
| Paper and wood pulp  | 3.9                                  | 19.3   | 68.1       | 8.6                     |
| Pottery, terra-cotta, and fire-clay products                               | 6.6                                  | 51.9   | 32.4       | 9.1                     |
| Printing and publishing  | 14.3                                 | 40.8   | 34.8       | 10.1                    |
| Slaughtering and meat packing  | 1.1                                  | 3.4    | 93.3       | 2.2                     |
| Tin plate and terneplate   | 1.6                                  | 9.7    | 84.2       | 4.6                     |
| All other industries   | 4.9                                  | 17.4   | 66.0       | 11.7                    |

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

| POWER.   | NUMBER OF ENGINES OR MOTORS. |                       |                       | HORSEPOWER.    |                |                   | PER CENT DISTRIBUTION OF HORSEPOWER. |              |                       |
|--|------------------------------|-----------------------|-----------------------|----------------|----------------|-------------------|--------------------------------------|--------------|-----------------------|
|  | 1909                         | 1904                  | 1899 <sup>1</sup>     | 1909           | 1904           | 1899 <sup>1</sup> | 1909                                 | 1904         | 1899                  |
| <b>Primary power, total</b> .....              | <b>4,527</b>                 | <b>2,326</b>          | <b>1,895</b>          | <b>217,496</b> | <b>138,578</b> | <b>91,894</b>     | <b>100.0</b>                         | <b>100.0</b> | <b>100.0</b>          |
| Owned.....                                     | 4,078                        | 2,326                 | 1,895                 | 211,913        | 137,708        | 91,609            | 97.4                                 | 99.4         | 99.7                  |
| <b>Steam</b> .....                             | <b>3,336</b>                 | <b>1,864</b>          | <b>1,649</b>          | <b>184,591</b> | <b>124,212</b> | <b>84,234</b>     | <b>84.9</b>                          | <b>89.6</b>  | <b>91.7</b>           |
| Gas.....                                       | 574                          | 312                   | 80                    | 16,705         | 6,569          | 1,045             | 7.7                                  | 4.7          | 1.1                   |
| Water wheels.....                              | 143                          | 121                   | 156                   | 10,540         | 6,274          | 5,426             | 4.8                                  | 4.5          | 5.9                   |
| Water motors.....                              | 25                           | 29                    | ( <sup>2</sup> )      | 71             | 130            | ( <sup>2</sup> )  | ( <sup>2</sup> )                     | 0.1          | ( <sup>2</sup> )      |
| Other.....                                     |                              |                       |                       |                | 523            | 905               |                                      | 0.4          | 1.0                   |
| Rented.....                                    | 449                          | ( <sup>2</sup> )      | ( <sup>2</sup> )      | 5,583          | 870            | 285               | 2.6                                  | 0.6          | 0.3                   |
| <b>Electric</b> .....                          | <b>449</b>                   | <b>(<sup>2</sup>)</b> | <b>(<sup>2</sup>)</b> | <b>5,330</b>   | <b>776</b>     | <b>27</b>         | <b>2.5</b>                           | <b>0.6</b>   | <b>(<sup>3</sup>)</b> |
| Other.....                                     |                              |                       |                       | 253            | 94             | 258               | 0.1                                  | 0.1          | 0.3                   |
| <b>Electric motors</b> .....                   | <b>1,715</b>                 | <b>311</b>            | <b>20</b>             | <b>28,543</b>  | <b>5,199</b>   | <b>454</b>        | <b>100.0</b>                         | <b>100.0</b> | <b>100.0</b>          |
| Run by current generated by establishment..... | 1,266                        | 311                   | 20                    | 23,213         | 4,423          | 427               | 81.3                                 | 85.1         | 94.1                  |
| Run by rented power.....                       | 449                          | ( <sup>2</sup> )      | ( <sup>2</sup> )      | 5,330          | 776            | 27                | 18.7                                 | 14.9         | 5.9                   |

<sup>1</sup> Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.  
<sup>2</sup> Not reported.      <sup>3</sup> Less than one-tenth of 1 per cent.

The table indicates that from 1904 to 1909 there was an increase of 78,918 horsepower, or 56.9 per cent, in the total primary power used in manufactures, while from 1899 to 1904 the increase was 46,684 horsepower, or 50.8 per cent. Of the total increase from 1904 to 1909 in primary power used, 60,379 horsepower was in that generated by steam engines, 4,272 horsepower in that generated by water wheels, and 4,554 horsepower in rented electric power. Notwithstanding the decided absolute increases in steam power, the ratio of this class of power to the total primary power has been less at each census since 1899. It constituted 91.7 per cent of the total in 1899, 89.6 per cent in 1904, and 84.9 per cent in 1909. The more

general use of gas engines is shown, there being 574 such engines, with an indicated capacity of 16,705 horsepower, reported in 1909, as against 312 engines, with 6,569 horsepower, in 1904, and 90 engines, with 1,045 horsepower, in 1899. The figures also show that the practice of renting electric power is becoming more common, 5,330 horsepower, or 2.5 per cent of the total power, being of this character in 1909, as compared with 776 horsepower, or six-tenths of 1 per cent, in 1904. The use of electric motors for the purpose of applying power generated within the establishments is also increasing rapidly, the horsepower of such motors having increased from 427 in 1899 to 4,423 in 1904 and 23,213 in 1909.

**Fuel.**—Closely related to the question of kind of power employed is that of the fuel consumed in generating this power, or otherwise used as material in the manufacturing processes. The table following shows the quantity of each kind of fuel used in 1909 for all industries combined and for certain selected industries.

| INDUSTRY.   | Bituminous coal (tons). | Coke (tons).   | Wood (cords). | Oil, including gasoline (barrels). | Gas (1,000 feet). |
|---|-------------------------|----------------|---------------|------------------------------------|-------------------|
| <b>All industries</b> .....   | <b>7,275,075</b>        | <b>325,738</b> | <b>14,992</b> | <b>29,016</b>                      | <b>30,894,329</b> |
| Bone, carbon, and lamp black.....   |                         |                |               |                                    | 12,284,733        |
| Brick and tile.....   | 72,137                  | 373            |               | 2                                  | 1,054,911         |
| Cars and general shop construction and repairs by steam-railroad companies..... | 65,653                  | 1,038          | 18            | 3,300                              | 159,460           |
| Coke.....   | 6,372,577               |                |               |                                    | 6,000             |
| Copper, tin, and sheet-iron products.....                                       | 722                     |                |               |                                    | 185,857           |
| Flour-mill and gristmill products.....  | 13,980                  |                | 2,456         | 434                                | 155,797           |
| Foundry and machine-shop products.....  | 9,265                   | 8,899          | 16            | 46                                 | 235,273           |
| Glass.....  | 3,483                   |                |               | 30                                 | 5,734,514         |
| Ice, manufactured.....  | 37,931                  |                |               | 621                                | 266,738           |
| Iron and steel, blast furnaces.....   | 11,349                  | 248,855        | 86            |                                    | 2,868             |
| Iron and steel, steel works and rolling mills.....                              | 275,223                 | 24,650         | 240           |                                    | 3,704,375         |
| Leather, tanned, curried, and finished.....                                     | 41,357                  |                | 2,156         | 3                                  | 89,010            |
| Liquors, malt.....  | 12,341                  |                |               |                                    | 1,380,520         |
| Lumber and timber products.....   | 82,958                  |                | 551           | 280                                | 132,261           |
| Paper and wood pulp.....  | 49,442                  |                |               |                                    | 1,392,857         |
| Pottery, terra-cotta, and fire-clay products.....                               | 18,535                  |                |               |                                    | 1,279,930         |
| Printing and publishing.....  | 750                     |                | 27            | 222                                | 65,309            |
| Slaughtering and meat packing.....  | 7,159                   |                | 104           | 5                                  | 10,556            |
| Tin plate and terneplate.....   | 5,611                   |                |               |                                    | 517,189           |
| All other industries.....   | 193,599                 | 41,923         | 9,538         | 24,067                             | 2,236,816         |

NOTE.—In addition, there were 6,589 tons of anthracite coal reported, of which 4,018 tons were used in the brick and tile industry and 2,571 tons in other industries; there were also 19 tons of other varieties of fuel reported.

**SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.**

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

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

**Lumber and timber products.**—This industry, which is the most important in the state, grew rapidly during the decade 1899–1909, and in the latter year reported 3.3 per cent of the total production<sup>a</sup> of rough lumber

in the United States. The following statement gives the quantity of rough lumber, lath, and shingles produced by the sawmills of the state in 1909 and 1899:

| PRODUCT.                          | 1909      | 1899    |
|-----------------------------------|-----------|---------|
| Rough lumber.....M feet b. m..... | 1,472,942 | 773,051 |
| Lath.....thousands.....           | 150,820   | 58,440  |
| Shingles.....thousands.....       | 6,829     | 34,350  |

The quantity of rough lumber increased 89.3 per cent, and that of lath 158.1 per cent, while that of

shingles decreased 80.1 per cent. In West Virginia lath, almost entirely, and shingles, to some extent, are secondary products in the manufacture of lumber, and the output of both is influenced to some extent by local demand.

Of the total of 1,472,942 M feet board measure of rough lumber reported in 1909, 907,547 M feet was hardwood. Of the hardwood sawed, 456,424 M feet was oak, 154,581 M feet yellow poplar, and 119,762 M feet chestnut. The cut of softwood amounted to 565,395 M feet, of which hemlock contributed 279,832 M feet and spruce 242,897 M feet. West Virginia was first among the states in the production of cherry and chestnut lumber, reporting 20.6 per cent and 18 per cent of the respective totals shown for the United States in 1909. The state was second in the output of oak and yellow poplar, third in spruce, fourth in basswood and hemlock, and fifth in maple. In 1909 more than three times as much hemlock was cut in the state as in 1899.

**Iron and steel, steel works and rolling mills.**—The following table shows the quantity and value of the chief products reported for 1909, 1904, and 1899:

| PRODUCT.   | 1909         | 1904         | 1899         |
|--|--------------|--------------|--------------|
| <b>Total value</b> .....   | \$22,435,411 | \$13,454,802 | \$13,394,911 |
| Rolled, forged, and other classified products:   |              |              |              |
| Tons.....  | 609,022      | 384,032      | 352,814      |
| Value.....   | \$20,069,576 | \$11,243,473 | \$11,731,561 |
| Plates and sheets, not including nail and tack plates—   |              |              |              |
| Tons.....  | 98,322       | 34,036       | 39,215       |
| Value.....   | \$4,349,096  | \$2,052,449  | \$2,005,291  |
| Black plates for tinning—  |              |              |              |
| Tons.....  | 111,152      | 42,803       |              |
| Value.....   | \$4,887,291  | \$2,098,954  |              |
| Skelp—   |              |              |              |
| Tons.....  | 201,794      | 192,044      |              |
| Value.....   | \$6,060,225  | \$5,108,286  |              |
| Other rolled, forged, etc., products:  |              |              |              |
| Tons.....  | 197,754      | 49,948       | 313,599      |
| Value.....   | \$4,772,964  | \$1,938,784  | \$9,726,270  |
| Miscellaneous iron and steel products, not rolled, including scrap sold and value added to rolling-mill products by further manufacture..... | \$2,209,563  | \$2,208,329  | \$1,663,350  |
| All other products.....  | \$158,272    | \$3,000      |              |

Of the combined rolled, forged, and other classified products, which in 1909 contributed 89.5 per cent of the value of all products, skelp was the most important, both in tonnage and value. The increase of 58.2 per cent from 1904 to 1909 in the total tonnage of rolled, forged, and other classified products indicates a decided growth in the industry after the poor business year of 1904.

The tin-plate and terneplate industry is allied closely to the steel works and rolling mills. During 1909 there were 189,239,233 pounds of tin plate, valued at \$6,360,880, and 68,567,923 pounds of terneplate, valued at \$2,561,219, produced in the state. The value of all other products, which include other sheet iron or sheet steel, tinned or terneplated, tagger's tin, etc., was \$335,425. Comparative statistics for 1899 and 1904 can not be given without disclosing the operations of individual establishments, but further statistics for 1909 are shown in Table II, page 656.

**Leather, tanned, curried, and finished.**—The following table shows the quantity and value of the various products for 1909, 1904, and 1899:

| PRODUCT.                                 | 1909         | 1904        | 1899        |
|--|--------------|-------------|-------------|
| <b>Total value</b> .....                 | \$12,450,592 | \$6,061,509 | \$3,210,753 |
| Sole leather:                            |              |             |             |
| Sides.....                               | 1,033,037    | 1,262,538   | 363,954     |
| Value.....                               | \$10,276,164 | \$5,270,545 | \$1,742,354 |
| Hemlock—                                 |              |             |             |
| Sides.....                               | 713,182      | 488,366     | 385         |
| Value.....                               | \$3,560,895  | \$1,474,158 | \$1,330     |
| Oak—                                     |              |             |             |
| Sides.....                               | 153,495      | 424,824     | 195,574     |
| Value.....                               | \$1,157,270  | \$2,382,515 | \$1,107,080 |
| Union—                                   |              |             |             |
| Sides.....                               | 1,006,360    | 349,348     | 167,745     |
| Value.....                               | \$5,557,999  | \$1,413,872 | \$633,944   |
| Harness, belting, and rough leather..... | \$1,617,354  | \$713,191   | \$1,399,203 |
| Work on materials for others.....        | \$426,399    | \$335       | \$1,220     |
| All other products.....                  | \$130,675    | \$77,438    | \$67,976    |

The value of sole leather in 1909 represented 82.5 per cent of the value of all products for the industry in the state. Of the total value reported for this group of products in 1909, union leather contributed 54.1 per cent, hemlock 34.7 per cent, and oak 11.3 per cent, while of the total quantity 55.2 per cent was union leather, 36.9 per cent hemlock, and 7.9 per cent oak. Considerable change has occurred since 1899 in the relative importance, as measured by quantity, of these different kinds of sole leather. In that year oak leather predominated, furnishing 53.8 per cent of the total, while union leather furnished 46.1 per cent, and hemlock one-tenth of 1 per cent. The greatest absolute gain in quantity since 1899 is shown for union leather. From 1904 to 1909 the value of harness, belting, and rough leather more than doubled, and a decided increase also occurred in the amount received for work on materials for others.

**Glass.**—The following table shows the values of the principal classes of glass products reported in 1909, 1904, and 1899:

| PRODUCT.                     | 1909        | 1904        | 1899        |
|------------------------------|-------------|-------------|-------------|
| <b>Total value</b> .....     | \$7,779,483 | \$4,598,563 | \$1,871,795 |
| Building glass.....          | 2,751,133   | 1,323,896   | 101,242     |
| Pressed and blown glass..... | 4,306,528   | 2,620,665   | 1,379,706   |
| Bottles, jars, etc.....      | 646,521     | 602,002     | 381,847     |
| All other products.....      | 75,301      | 52,000      | 9,000       |

The value of pressed and blown glass, the most important product in 1909, as measured by value, increased \$1,685,863, or 64.3 per cent, from 1904 to 1909; that of building glass, \$1,427,237, or 107.8 per cent; and that of bottles, jars, etc., \$44,519, or 7.4 per cent.

In 1909 the active equipment of the glass factories of the state consisted of 37 furnaces, with a total capacity of 339 pots; 33 continuous tanks, with a total capacity of 422 rings; and 12 intermittent or day tanks, with a total capacity of 96 tons. In addition, there were 2 furnaces, 2 continuous tanks, and 2 intermittent or day tanks, which were idle during the year.

**Flour-mill and gristmill products.**—The next table gives the quantity and value of the principal products reported for 1909, 1904, and 1899.



| PRODUCT.                  | 1909               | 1904               | 1899               |
|---------------------------|--------------------|--------------------|--------------------|
| <b>Total value</b> .....  | <b>\$7,685,801</b> | <b>\$6,200,291</b> | <b>\$3,792,629</b> |
| Wheat flour:              |                    |                    |                    |
| White—                    |                    |                    |                    |
| Barrels.....              | 632,309            | 625,866            | 590,917            |
| Value.....                | \$3,606,285        | \$3,387,142        | \$2,284,571        |
| Graham—                   |                    |                    |                    |
| Barrels.....              | 1,823              | 804                | ( <sup>1</sup> )   |
| Value.....                | \$9,628            | \$3,014            | ( <sup>1</sup> )   |
| Corn meal and corn flour: |                    |                    |                    |
| Barrels.....              | 318,293            | 339,872            | 334,275            |
| Value.....                | \$986,375          | \$841,827          | \$711,968          |
| Rye flour:                |                    |                    |                    |
| Barrels.....              | 609                | 58                 | 680                |
| Value.....                | \$2,354            | \$234              | \$1,656            |
| Buckwheat flour:          |                    |                    |                    |
| Pounds.....               | 4,496,790          | 2,213,610          | 3,315,625          |
| Value.....                | \$120,061          | \$61,138           | \$68,530           |
| Barley meal:              |                    |                    |                    |
| Pounds.....               | 26,640             | .....              | 2,300              |
| Value.....                | \$568              | .....              | \$30               |
| Hominy and grits:         |                    |                    |                    |
| Pounds.....               | 301,200            | 2,172,000          | 101,000            |
| Value.....                | \$5,772            | \$29,708           | \$2,025            |
| Feed:                     |                    |                    |                    |
| Tons.....                 | 74,385             | 52,563             | 21,359             |
| Value.....                | \$2,262,265        | \$1,281,168        | \$404,769          |
| Offal:                    |                    |                    |                    |
| Tons.....                 | 27,148             | 29,059             | 26,253             |
| Value.....                | \$669,477          | \$588,982          | \$315,911          |
| All other products.....   | \$33,016           | \$7,078            | \$3,163            |

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

This table shows increases from 1904 to 1909 in the quantities of all classes of products except corn meal and corn flour, hominy and grits, and offal, and from 1899 to 1904 in all except rye flour, buckwheat flour, and barley meal. Wheat flour, which contributed 47 per cent of the total value of all flour-mill and gristmill products manufactured in 1909, showed but little increase either in quantity or in value in 1909, as compared with 1904, but a larger increase in both items when compared with 1899. The largest relative increase in quantity from 1904 to 1909 is shown for buckwheat flour, the production of which increased 2,283,180 pounds, or 103.1 per cent. West Virginia is among the leading states in the manufacture of this product. In 1909 the mills of the state were equipped with 1,073 pairs of rolls and 237 runs of stone. Four mills manufactured barrels.

Laundries.—Statistics for steam laundries are not included in the general tables or in the totals for manufacturing industries. In 1909 there were 43 such establishments in West Virginia, 5 of which were in Wheeling, 4 in Charleston, 3 each in Huntington and Parkersburg, and 2 each in Bluefield and Martinsburg.

The following statement summarizes the statistics:

|                                      |           |
|--------------------------------------|-----------|
| Number of establishments.....        | 43        |
| Persons engaged in the industry..... | 793       |
| Proprietors and firm members.....    | 41        |
| Salaried employees.....              | 73        |
| Wage earners (average number).....   | 679       |
| Primary horsepower.....              | 1,048     |
| Capital.....                         | \$415,216 |
| Expenses.....                        | 462,687   |
| Services.....                        | 297,741   |
| Materials.....                       | 102,057   |
| Miscellaneous.....                   | 62,889    |
| Amount received for work done.....   | 581,865   |

Of the 43 establishments reported, 18 were operated by corporations, 14 by individuals, and 11 by firms. Ten establishments had receipts for the year's business of less than \$5,000; 22, of \$5,000 but less than \$20,000; and 11, of \$20,000 but less than \$100,000.

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

| MONTH.        | WAGE EARNERS. |                      | MONTH.         | WAGE EARNERS. |                      |
|---------------|---------------|----------------------|----------------|---------------|----------------------|
|               | Number.       | Per cent of maximum. |                | Number.       | Per cent of maximum. |
| January.....  | 633           | 88.8                 | July.....      | 713           | 100.0                |
| February..... | 644           | 90.3                 | August.....    | 708           | 99.3                 |
| March.....    | 644           | 90.3                 | September..... | 712           | 99.9                 |
| April.....    | 654           | 91.7                 | October.....   | 689           | 96.6                 |
| May.....      | 684           | 95.9                 | November.....  | 677           | 95.0                 |
| June.....     | 696           | 97.6                 | December.....  | 694           | 97.3                 |

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

| KIND.                             | Number of engines or motors. | Horsepower.  |
|-----------------------------------|------------------------------|--------------|
| <b>Primary power, total</b> ..... |                              | <b>1,048</b> |
| Owned:                            |                              |              |
| Steam.....                        | 33                           | 752          |
| Gas.....                          | 8                            | 150          |
| Rented:                           |                              |              |
| Electric.....                     | 11                           | 131          |
| Other.....                        |                              | 15           |

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

| KIND.                | Unit.           | Quantity. |
|----------------------|-----------------|-----------|
| Bituminous coal..... | Tons.....       | 3,369     |
| Gas.....             | 1,000 feet..... | 145,661   |

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

|                                      | Custom sawmills. | Custom gristmills. |
|--------------------------------------|------------------|--------------------|
| Number of establishments.....        | 187              | 437                |
| Persons engaged in the industry..... | 596              | 737                |
| Proprietors and firm members.....    | 282              | 579                |
| Salaried employees.....              | 2                | .....              |
| Wage earners (average number).....   | 312              | 158                |
| Primary horsepower.....              | 3,403            | 7,763              |
| Capital.....                         | \$223,976        | \$504,623          |
| Expenses.....                        | 95,974           | 1,244,604          |
| Services.....                        | 75,133           | 28,135             |
| Materials.....                       | 3,767            | 1,203,590          |
| Miscellaneous.....                   | 17,074           | 12,839             |
| Value of products.....               | 208,092          | 1,495,467          |

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

SUPPLEMENT FOR WEST VIRGINIA.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899.  
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

| INDUSTRY.   | Census.              | Number of establishments. | PERSONS ENGAGED IN INDUSTRY. |                               |                         |                                | Primary horse-power.         | Capital.                      | Salaries.                 | Wages.                       | Cost of materials.           | Value of products.            | Value added by manufacture.  |
|---|----------------------|---------------------------|------------------------------|-------------------------------|-------------------------|--------------------------------|------------------------------|-------------------------------|---------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|
|   |                      |                           | Total.                       | Proprietors and firm members. | Salari- ed employ- ees. | Wage earners (average number). |                              |                               |                           |                              |                              |                               |                              |
| Expressed in thousands.   |                      |                           |                              |                               |                         |                                |                              |                               |                           |                              |                              |                               |                              |
| STATE—All industries.....   | 1909<br>1904<br>1899 | 2,586<br>2,109<br>1,824   | 71,463<br>48,880             | 2,599<br>2,230                | 4,971<br>2,892<br>1,744 | 63,893<br>43,758<br>33,080     | 217,496<br>138,578<br>91,894 | \$150,823<br>86,821<br>49,103 | \$5,710<br>2,899<br>1,519 | \$33,000<br>21,153<br>12,640 | \$92,878<br>54,419<br>37,228 | \$161,950<br>99,041<br>67,007 | \$89,072<br>44,622<br>29,779 |
| Bone, carbon, and lamp black.....   | 1909<br>1904         | 16<br>10                  | 137<br>90                    | 1<br>1                        | 35<br>29                | 101<br>60                      | 641<br>310                   | 1,313<br>774                  | 35<br>24                  | 66<br>34                     | 249<br>52                    | 596<br>274                    | 347<br>222                   |
| Bread and other bakery products.....  | 1909<br>1904<br>1899 | 151<br>111<br>58          | 559<br>415<br>202            | 102<br>131<br>64              | 51<br>21<br>27          | 346<br>263<br>111              | 411<br>198                   | 652<br>298<br>191             | 34<br>8<br>12             | 188<br>127<br>41             | 859<br>527<br>213            | 1,470<br>912<br>394           | 611<br>385<br>181            |
| Brick and tile.....   | 1909<br>1904<br>1899 | 34<br>37<br>42            | 979<br>840<br>620            | 17<br>29<br>48                | 80<br>48<br>22          | 882<br>763<br>550              | 4,983<br>3,447<br>1,680      | 2,300<br>1,962<br>610         | 73<br>56<br>18            | 383<br>330<br>184            | 275<br>210<br>97             | 950<br>870<br>436             | 675<br>660<br>339            |
| Canning and preserving.....   | 1909<br>1904<br>1899 | 30<br>19<br>14            | 345<br>394<br>620            | 49<br>30<br>11                | 25<br>37<br>44          | 271<br>327<br>565              | 484<br>424                   | 390<br>353<br>370             | 24<br>34<br>43            | 58<br>84<br>84               | 430<br>387<br>419            | 605<br>764<br>774             | 175<br>377<br>365            |
| Carriages and wagons and materials.....                                     | 1909<br>1904<br>1899 | 51<br>38<br>53            | 446<br>383                   | 62<br>43                      | 37<br>29<br>15          | 347<br>311<br>312              | 893<br>1,117                 | 671<br>493<br>437             | 41<br>30<br>13            | 180<br>155<br>133            | 318<br>300<br>210            | 675<br>639<br>490             | 357<br>339<br>230            |
| Cars and general shop construction and repairs by steam-railroad companies. | 1909<br>1904<br>1899 | 24<br>24<br>23            | 5,920<br>4,427<br>2,695      |                               | 268<br>172<br>90        | 5,652<br>4,255<br>2,605        | 5,394<br>2,469<br>834        | 2,117<br>1,054<br>1,040       | 247<br>129<br>68          | 3,170<br>2,114<br>1,257      | 3,063<br>1,809<br>1,587      | 6,733<br>4,120<br>2,944       | 3,670<br>2,311<br>1,337      |
| Clothing, men's, including shirts.....                                      | 1909<br>1904<br>1899 | 9<br>9<br>13              | 469<br>358<br>95             | 3<br>8<br>1                   | 63<br>36<br>6           | 403<br>314<br>88               | 210<br>98<br>21              | 637<br>537<br>210             | 48<br>34<br>6             | 126<br>78<br>29              | 1,055<br>578<br>356          | 1,469<br>855<br>501           | 414<br>277<br>145            |
| Coke.....   | 1909<br>1904<br>1899 | 71<br>74<br>77            | 4,746<br>2,764<br>3,340      | 2<br>231<br>1                 | 318<br>231<br>208       | 4,426<br>2,533<br>3,131        | 5,307<br>3,507<br>4,055      | 12,821<br>8,064<br>4,453      | 281<br>160<br>127         | 1,664<br>1,004<br>890        | 5,012<br>2,647<br>1,967      | 7,563<br>4,174<br>3,529       | 2,551<br>1,527<br>1,582      |
| Confectionery.....  | 1909<br>1904<br>1899 | 10<br>10<br>9             | 109<br>123<br>9              | 4<br>4<br>2                   | 23<br>21<br>45          | 82<br>98<br>45                 | 38<br>38                     | 97<br>119<br>52               | 20<br>22<br>2             | 33<br>33<br>16               | 147<br>117<br>63             | 244<br>226<br>98              | 97<br>109<br>35              |
| Cooperage and wooden goods, not elsewhere specified.                        | 1909<br>1904<br>1899 | 31<br>18<br>14            | 419<br>127                   | 30<br>15                      | 23<br>7<br>3            | 366<br>105<br>150              | 1,013<br>195                 | 483<br>107<br>90              | 23<br>4<br>2              | 168<br>42<br>67              | 334<br>148<br>144            | 658<br>221<br>213             | 324<br>73<br>213             |
| Copper, tin, and sheet-iron products.....                                   | 1909<br>1904<br>1899 | 19<br>11<br>19            | 998<br>403                   | 14<br>11                      | 68<br>17<br>2           | 916<br>375<br>36               | 973<br>491<br>44             | 1,690<br>491<br>44            | 77<br>24<br>2             | 383<br>142<br>19             | 1,354<br>490<br>41           | 2,151<br>771<br>88            | 797<br>281<br>47             |
| Flour-mill and gristmill products.....                                      | 1909<br>1904<br>1899 | 207<br>194<br>185         | 884<br>780                   | 288<br>301                    | 144<br>79<br>22         | 452<br>400<br>254              | 9,950<br>8,389<br>7,356      | 3,766<br>2,623<br>1,429       | 113<br>66<br>14           | 210<br>183<br>125            | 6,601<br>5,213<br>3,109      | 7,696<br>6,200<br>3,793       | 1,095<br>987<br>684          |
| Foundry and machine-shop products.....                                      | 1909<br>1904<br>1899 | 83<br>76<br>65            | 1,633<br>1,409               | 68<br>48                      | 211<br>143<br>61        | 1,354<br>1,278<br>685          | 3,539<br>2,892               | 3,453<br>2,060<br>1,021       | 239<br>149<br>58          | 820<br>721<br>344            | 1,760<br>1,413<br>721        | 3,392<br>2,863<br>1,517       | 1,632<br>1,450<br>796        |
| Furniture and refrigerators.....  | 1909<br>1904<br>1899 | 25<br>19<br>8             | 666<br>554<br>413            | 17<br>12<br>6                 | 71<br>34<br>24          | 578<br>508<br>383              | 1,469<br>971<br>520          | 1,361<br>759<br>493           | 75<br>37<br>30            | 253<br>197<br>135            | 384<br>264<br>175            | 965<br>648<br>454             | 581<br>384<br>279            |
| Glass.....  | 1909<br>1904<br>1899 | 51<br>39<br>16            | 6,509<br>3,867<br>2,040      | 13<br>5<br>6                  | 306<br>189<br>85        | 6,190<br>3,673<br>1,949        | 5,233<br>2,346<br>938        | 7,369<br>4,300<br>1,338       | 435<br>209<br>98          | 3,625<br>2,054<br>789        | 2,296<br>1,259<br>593        | 7,779<br>4,509<br>1,872       | 5,433<br>3,340<br>1,279      |
| Ice, manufactured.....  | 1909<br>1904<br>1899 | 35<br>30<br>8             | 305<br>217<br>100            | 23<br>5<br>1                  | 49<br>36<br>19          | 233<br>176<br>80               | 5,554<br>2,704<br>607        | 1,595<br>1,287<br>413         | 41<br>28<br>14            | 113<br>94<br>40              | 111<br>61<br>22              | 476<br>353<br>119             | 365<br>292<br>97             |
| Iron and steel, steel works and rolling mills.....                          | 1909<br>1904<br>1899 | 16<br>12<br>8             | 5,445<br>4,516<br>4,056      |                               | 385<br>107<br>81        | 5,000<br>4,409<br>3,975        | 46,508<br>34,250<br>23,416   | 16,276<br>8,716<br>7,122      | 460<br>142<br>108         | 3,887<br>2,813<br>2,066      | 15,896<br>8,742<br>8,729     | 22,435<br>13,455<br>13,395    | 6,539<br>4,713<br>4,666      |
| Leather goods.....  | 1909<br>1904<br>1899 | 8<br>9<br>10              | 150<br>109                   | 10<br>14                      | 13<br>9<br>6            | 127<br>86<br>159               | 120<br>44                    | 237<br>189<br>160             | 12<br>8<br>9              | 53<br>34<br>39               | 277<br>235<br>183            | 472<br>368<br>319             | 195<br>133<br>136            |
| Leather, tanned, curried, and finished.....                                 | 1909<br>1904<br>1899 | 20<br>33<br>46            | 1,688<br>1,043<br>739        | 13<br>49<br>38                | 104<br>48<br>37         | 1,571<br>946<br>664            | 5,305<br>2,973<br>1,713      | 18,164<br>8,751<br>5,050      | 201<br>89<br>63           | 775<br>434<br>224            | 10,383<br>4,769<br>2,541     | 12,451<br>6,062<br>3,211      | 2,068<br>1,233<br>670        |
| Lime.....   | 1909<br>1904<br>1899 | 13<br>6                   | 550<br>134                   | 15<br>3                       | 21<br>11                | 514<br>120                     | 1,000<br>10                  | 546<br>161                    | 17<br>9                   | 188<br>52                    | 224<br>39                    | 644<br>116                    | 420<br>77                    |
| Liquors, malt.....  | 1909<br>1904<br>1899 | 13<br>10<br>8             | 524<br>401<br>318            | 1<br>1<br>2                   | 108<br>69<br>60         | 415<br>331<br>256              | 6,110<br>2,438<br>1,714      | 4,748<br>3,556<br>1,714       | 168<br>88<br>71           | 298<br>227<br>117            | 619<br>481<br>198            | 2,271<br>2,146<br>1,113       | 1,652<br>1,665<br>915        |
| Lumber and timber products.....   | 1909<br>1904<br>1899 | 1,016<br>765<br>697       | 20,799<br>13,257             | 1,226<br>1,032                | 930<br>606<br>326       | 18,043<br>11,619<br>8,834      | 62,356<br>37,535<br>27,156   | 30,333<br>14,663<br>7,884     | 1,090<br>574<br>254       | 8,632<br>5,390<br>2,968      | 3,676<br>6,202<br>5,060      | 28,758<br>18,697<br>12,073    | 20,082<br>12,495<br>7,013    |

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

2 Not reported separately.

STATISTICS OF MANUFACTURES.

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

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

| INDUSTRY AND CITY.  | Census. | Number of establishments. | PERSONS ENGAGED IN INDUSTRY. |                               |                     |                                | Primary horse-power. | Capital. | Salaries. | Wages. | Cost of materials. | Value of products. | Value added by manufacture. |
|---|---------|---------------------------|------------------------------|-------------------------------|---------------------|--------------------------------|----------------------|----------|-----------|--------|--------------------|--------------------|-----------------------------|
|   |         |                           | Total.                       | Proprietors and firm members. | Salaries employees. | Wage earners (average number). |                      |          |           |        |                    |                    |                             |
| Expressed in thousands.                                     |         |                           |                              |                               |                     |                                |                      |          |           |        |                    |                    |                             |
| <b>STATE—Continued.</b>                                     |         |                           |                              |                               |                     |                                |                      |          |           |        |                    |                    |                             |
| Marble and stone work.....                                  | 1909    | 29                        | 203                          | 30                            | 29                  | 144                            | 469                  | \$227    | \$23      | \$87   | \$134              | \$365              | \$231                       |
|   | 1904    | 13                        | 92                           | 15                            | 12                  | 65                             | 167                  | 89       | 8         | 31     | 62                 | 155                | 93                          |
|   | 1899    | 18                        | .....                        | .....                         | 37                  | 237                            | .....                | 138      | 10        | 94     | 93                 | 200                | 197                         |
| Mattresses and spring beds.....                             | 1909    | 7                         | 92                           | 6                             | 14                  | 72                             | 263                  | 181      | 11        | 39     | 154                | 267                | 113                         |
|   | 1904    | 4                         | 76                           | 4                             | 4                   | 68                             | 125                  | 64       | 2         | 25     | 96                 | 142                | 46                          |
|   | 1899    | .....                     | .....                        | .....                         | .....               | .....                          | .....                | .....    | .....     | .....  | .....              | .....              | .....                       |
| Paper and wood pulp.....                                    | 1909    | 9                         | 1,221                        | 2                             | 57                  | 1,162                          | 11,025               | 3,603    | 97        | 478    | 1,683              | 2,652              | 969                         |
|   | 1904    | 7                         | 585                          | 3                             | 37                  | 545                            | 4,575                | 2,215    | 47        | 230    | 760                | 1,298              | 538                         |
|   | 1899    | 6                         | 305                          | 2                             | 22                  | 281                            | 4,785                | 926      | 26        | 98     | 274                | 528                | 254                         |
| Patent medicines and compounds and druggists' preparations. | 1909    | 17                        | 301                          | 12                            | 98                  | 196                            | 76                   | 462      | 116       | 30     | 256                | 1,292              | 1,036                       |
|   | 1904    | *11                       | 59                           | 6                             | 18                  | 35                             | .....                | 217      | 15        | 9      | 49                 | 135                | 86                          |
|   | 1899    | 5                         | 11                           | 4                             | 3                   | 4                              | .....                | 18       | 1         | 1      | 11                 | 77                 | 66                          |
| Pottery, terra-cotta, and fire-clay products....            | 1909    | 16                        | 2,149                        | 6                             | 109                 | 2,034                          | 1,674                | 2,921    | 100       | 1,256  | 786                | 2,679              | 1,893                       |
|   | 1904    | 17                        | 1,346                        | 5                             | 71                  | 1,270                          | 1,974                | 2,267    | 135       | 634    | 346                | 1,286              | 940                         |
|   | 1899    | 14                        | 1,339                        | 13                            | 57                  | 1,269                          | 1,837                | 1,610    | 52        | 500    | 219                | 1,105              | 886                         |
| Printing and publishing.....                                | 1909    | 235                       | 1,772                        | 237                           | 280                 | 1,255                          | 1,500                | 2,455    | 222       | 634    | 541                | 1,992              | 1,451                       |
|   | 1904    | 222                       | 1,316                        | 214                           | 158                 | 944                            | 1,196                | 1,754    | 125       | 480    | 351                | 1,564              | 1,203                       |
|   | 1899    | 178                       | 1,103                        | 186                           | 107                 | 810                            | .....                | 1,148    | 83        | 334    | 226                | 1,035              | 809                         |
| Slaughtering and meat packing.....                          | 1909    | 6                         | 209                          | 4                             | 38                  | 167                            | 1,321                | 1,116    | 39        | 123    | 3,385              | 3,764              | 379                         |
|   | 1904    | *6                        | 168                          | 6                             | 29                  | 133                            | 635                  | 478      | 20        | 74     | 1,668              | 1,928              | 260                         |
|   | 1899    | 3                         | 103                          | 3                             | 16                  | 84                             | 356                  | 313      | 12        | 43     | 1,134              | 1,338              | 204                         |
| Woolen, worsted, and felt goods, and wool hats.             | 1909    | 13                        | 640                          | 10                            | 31                  | 599                            | 1,327                | 1,106    | 31        | 222    | 795                | 1,224              | 429                         |
|   | 1904    | *12                       | 324                          | 13                            | 21                  | 290                            | 726                  | 426      | 24        | 106    | 218                | 460                | 251                         |
|   | 1899    | *33                       | 412                          | 12                            | 16                  | 384                            | 1,118                | 684      | 17        | 99     | 319                | 507                | 188                         |
| All other industries.....                                   | 1909    | 321                       | 10,696                       | 274                           | 987                 | 9,335                          | 32,290               | 27,833   | 1,257     | 4,846  | 24,821             | 37,262             | 12,441                      |
|   | 1904    | 264                       | 8,243                        | 222                           | 563                 | 7,468                          | 22,615               | 17,994   | 599       | 3,224  | 14,926             | 22,741             | 7,815                       |
|   | 1899    | 214                       | .....                        | .....                         | 346                 | 5,176                          | .....                | 10,145   | 306       | 1,904  | 8,524              | 14,650             | 6,126                       |

CITIES OF 10,000 OR MORE INHABITANTS—ALL INDUSTRIES COMBINED.

|                  |      |       |       |       |       |       |        |        |       |       |        |         |        |
|------------------|------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|---------|--------|
| Bluefield.....   | 1909 | 15    | 748   | 5     | 73    | 670   | 1,648  | \$948  | \$74  | \$377 | \$889  | \$1,465 | \$576  |
|                  | 1904 | ..... | ..... | ..... | ..... | ..... | .....  | .....  | ..... | ..... | .....  | .....   | .....  |
|                  | 1899 | ..... | ..... | ..... | ..... | ..... | .....  | .....  | ..... | ..... | .....  | .....   | .....  |
| Charleston.....  | 1909 | 63    | 1,153 | 47    | 155   | 951   | 4,106  | 2,825  | 158   | 469   | 2,137  | 3,235   | 1,098  |
|                  | 1904 | 54    | 1,048 | 42    | 119   | 887   | .....  | 2,228  | 116   | 403   | 998    | 2,100   | 1,102  |
|                  | 1899 | 48    | ..... | ..... | 73    | 686   | .....  | 1,054  | 64    | 257   | 659    | 1,262   | 603    |
| Huntington.....  | 1909 | 67    | 3,489 | 36    | 297   | 3,156 | 8,860  | 4,917  | 274   | 1,681 | 3,382  | 6,511   | 3,129  |
|                  | 1904 | 44    | 2,359 | 24    | 106   | 2,229 | .....  | 2,762  | 95    | 1,033 | 2,676  | 4,407   | 1,731  |
|                  | 1899 | 29    | ..... | ..... | 82    | 1,717 | .....  | 2,198  | 71    | 812   | 2,498  | 3,643   | 1,145  |
| Martinsburg..... | 1909 | 39    | 1,551 | 28    | 103   | 1,420 | 1,598  | 2,100  | 99    | 520   | 1,277  | 2,515   | 1,238  |
|                  | 1904 | ..... | ..... | ..... | ..... | ..... | .....  | .....  | ..... | ..... | .....  | .....   | .....  |
|                  | 1899 | ..... | ..... | ..... | ..... | ..... | .....  | .....  | ..... | ..... | .....  | .....   | .....  |
| Parkersburg..... | 1909 | 75    | 1,766 | 61    | 210   | 1,495 | 4,031  | 4,424  | 221   | 767   | 3,560  | 5,498   | 1,938  |
|                  | 1904 | 68    | 1,652 | 52    | 156   | 1,444 | .....  | 3,310  | 164   | 694   | 2,488  | 3,775   | 1,290  |
|                  | 1899 | 72    | ..... | ..... | 107   | 1,237 | .....  | 2,358  | 103   | 508   | 1,886  | 3,101   | 1,215  |
| Wheeling.....    | 1909 | 176   | 8,744 | 116   | 819   | 7,309 | 29,486 | 19,297 | 1,075 | 4,427 | 10,025 | 27,077  | 11,052 |
|                  | 1904 | 195   | 7,841 | 151   | 563   | 7,127 | .....  | 17,808 | 660   | 3,793 | 12,489 | 21,797  | 9,308  |
|                  | 1899 | 178   | ..... | ..... | 407   | 6,190 | .....  | 12,275 | 409   | 2,679 | 8,406  | 15,074  | 6,663  |

<sup>1</sup> Figures can not be shown without disclosing individual operations.

<sup>2</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations.

<sup>3</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

<sup>4</sup> Figures not available.

<sup>5</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

TABLE II.—DETAIL STATEMENT FOR

| INDUSTRY.   | Number of establishments. | PERSONS ENGAGED IN INDUSTRY. |   |   |         |              |                         |                     |                     |                  |                  | WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY. |                  |                  |           |  | Pri-<br>mary<br>horse-<br>power. |
|---|---------------------------|------------------------------|---|---|---------|--------------|-------------------------|---------------------|---------------------|------------------|------------------|---|------------------|------------------|-----------|--|----------------------------------|
|   |                           | Total.                       | Pro-<br>pri-<br>ators<br>and<br>firm<br>mem-<br>bers. | Sala-<br>ried<br>officers,<br>super-<br>intend-<br>ents,<br>and<br>man-<br>agers. | Clerks. |              | Wage earners.           |                     |                     |                  |                  | Total.  | 16 and over.     |                  | Under 16. |  |                                  |
|   |                           |                              |   |   | Male.   | Fe-<br>male. | Average<br>num-<br>ber. | Number.             |                     | Male.            | Fe-<br>male.     |   | Male.            | Fe-<br>male.     |           |  |                                  |
|   |                           |                              |   |   |         |              |                         | Maximum<br>month.   | Minimum<br>month.   |                  |                  |   |                  |                  |           |  |                                  |
| 1 All industries.....   | 2,586                     | 71,463                       | 2,599   | 1,909   | 2,505   | 557          | 63,893                  | Oc 69,202           | Ja 56,191           | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 217,496   |  |                                  |
| 2 Artificial stone.....   | 20                        | 119                          | 24  | 6   | 8       | 2            | 79                      | Je 97               | Ja 35               | 105              | 101              | 2   | 2                | 132              |           |  |                                  |
| 3 Bone, carbon, and lamp black.....   | 16                        | 137                          | 1   | 28  | 5       | 2            | 101                     | Ja 104              | No 95               | 102              | 102              |   |                  | 641              |           |  |                                  |
| 4 Brass and bronze products.....  | 3                         | 66                           | 1   | 15  |         |              | 41                      | Mh 43               | Ap 37               | 42               | 42               |   |                  | 140              |           |  |                                  |
| 5 Bread and other bakery products.....  | 151                       | 559                          | 162   | 16  | 19      |              | 346                     | Se 369              | Ja 319              | 372              | 336              | 26  | 9                | 411              |           |  |                                  |
| 6 Brick and tile.....   | 34                        | 979                          | 17  | 44  | 34      | 2            | 882                     | Je 1,179            | Fe 386              | 915              | 902              | 3   | 10               | 4,983            |           |  |                                  |
| 7 Canning and preserving.....   | 30                        | 345                          | 49  | 10  | 10      | 5            | 271                     | Se 944              | Ap <sup>2</sup> 65  | 913              | 211              | 463   | 74               | 165              |           |  |                                  |
| 8 Carriages and wagons and materials.....   | 51                        | 446                          | 62  | 22  | 8       | 7            | 347                     | My 373              | Au 331              | 362              | 357              | 1   | 4                | 893              |           |  |                                  |
| 9 Cars and general shop construction and repairs by steam-railroad companies.....   | 24                        | 5,920                        |   | 58  | 205     | 5            | 5,652                   | No 6,140            | Ap 5,211            | 5,901            | 5,845            | 15  | 41               | 5,394            |           |  |                                  |
| 10 Cars and general shop construction and repairs by street-railroad companies..... | 8                         | 96                           |   | 5   | 3       |              | 88                      | Se 94               | De 83               | 83               | 83               |   |                  | 85               |           |  |                                  |
| 11 Clothing, men's, including shirts.....   | 9                         | 469                          | 3   | 15  | 33      | 15           | 403                     | Oc 444              | Je 371              | 433              | 78               | 352   |                  | 3                |           |  |                                  |
| 12 Coke.....  | 71                        | 4,746                        | 2   | 134   | 174     | 10           | 4,426                   | De 5,073            | Jy 4,069            | 5,072            | 5,071            |   | 1                | 5,307            |           |  |                                  |
| 13 Confectionery.....   | 10                        | 109                          | 4   | 8   | 12      | 3            | 82                      | No 98               | Au 70               | 94               | 47               |   |                  | 38               |           |  |                                  |
| 14 Cooperage and wooden goods, not else-where specified.....                        | 31                        | 419                          | 30  | 16  | 5       | 2            | 366                     | Oc 380              | Mh 351              | 396              | 338              | 45  | 8                | 1,013            |           |  |                                  |
| 15 Copper, tin, and sheet-iron products.....  | 19                        | 998                          | 14  | 19  | 31      | 18           | 916                     | Se 1,108            | Ja 746              | 898              | 542              | 288   | 31               | 32               |           |  |                                  |
| 16 Flour-mill and gristmill products.....   | 207                       | 884                          | 288   | 55  | 77      | 12           | 452                     | No 466              | Ja 437              | 479              | 474              | 2   | 3                | 9,950            |           |  |                                  |
| 17 Foundry and machine-shop products.....   | 83                        | 1,633                        | 68  | 91  | 96      | 24           | 1,354                   | De 1,572            | Mh 1,126            | 1,596            | 1,592            |   | 4                | 3,539            |           |  |                                  |
| 18 Furniture and refrigerators.....   | 25                        | 666                          | 17  | 26  | 39      | 6            | 478                     | Jy 654              | De 477              | 662              | 643              | 11  | 8                | 1,469            |           |  |                                  |
| 19 Glass.....   | 51                        | 6,509                        | 13  | 135   | 121     | 50           | 6,190                   | De 7,669            | Jy 3,316            | 7,655            | 6,589            | 669   | 341              | 56               |           |  |                                  |
| 20 Ice, manufactured.....   | 35                        | 305                          | 23  | 30  | 17      | 2            | 233                     | Jy 351              | Ja 130              | 214              | 213              |   | 1                | 5,554            |           |  |                                  |
| 21 Iron and steel, steel works and rolling mills.....                               | 16                        | 5,445                        |   | 95  | 265     | 25           | 5,060                   | Se 6,288            | Ja 3,469            | 6,403            | 6,356            | 15  | 32               | 46,508           |           |  |                                  |
| 22 Kaolin and ground earths.....  | 3                         | 70                           |   | 7   | 3       | 2            | 58                      | Mh <sup>2</sup> 63  | Ja 51               | 57               | 57               |   |                  | 795              |           |  |                                  |
| 23 Leather goods.....   | 8                         | 150                          | 10  | 4   | 8       | 1            | 127                     | Ja <sup>2</sup> 128 | Jy 116              | 128              | 112              | 16  |                  | 120              |           |  |                                  |
| 24 Leather, tanned, curried, and finished.....                                      | 20                        | 1,688                        | 13  | 30  | 72      | 2            | 1,571                   | Au 1,760            | Fe 1,431            | 1,658            | 1,658            |   |                  | 5,305            |           |  |                                  |
| 25 Lime.....  | 13                        | 550                          | 15  | 10  | 10      | 1            | 514                     | No 595              | Ja <sup>2</sup> 384 | 622              | 618              |   | 4                | 1,000            |           |  |                                  |
| 26 Liquors, malt.....   | 13                        | 524                          | 1   | 36  | 70      | 2            | 415                     | Au 477              | Fe 376              | 400              | 396              |   | 4                | 5,110            |           |  |                                  |
| 27 Lumber and timber products.....  | 1,016                     | 20,799                       | 1,226   | 449   | 403     | 78           | 18,643                  | Je 19,564           | Ja 16,288           | 21,185           | 21,051           | 12  | 122              | 62,356           |           |  |                                  |
| 28 Marble and stone work.....   | 29                        | 203                          | 30  | 11  | 17      | 1            | 144                     | De 178              | Ja 108              | 183              | 183              |   |                  | 469              |           |  |                                  |
| 29 Mattresses and spring beds.....  | 7                         | 92                           | 6   | 6   | 4       | 4            | 72                      | No 82               | Ap 62               | 76               | 59               | 17  |                  | 263              |           |  |                                  |
| 30 Paper and wood pulp.....   | 9                         | 1,221                        | 2   | 29  | 24      | 4            | 1,162                   | Au 1,311            | Ap 1,050            | 1,202            | 1,155            | 47  |                  | 11,025           |           |  |                                  |
| 31 Patent medicines and compounds and druggists' preparations.....                  | 17                        | 301                          | 12  | 28  | 16      | 49           | 166                     | De 295              | Ja 136              | 294              | 30               | 264   |                  | 76               |           |  |                                  |
| 32 Pottery, terra-cotta, and fire-clay prod-ucts.....                               | 16                        | 2,149                        | 6   | 46  | 40      | 23           | 2,034                   | De 2,235            | Ja 1,769            | 2,245            | 1,600            | 624   | 15               | 6                |           |  |                                  |
| 33 Printing and publishing.....   | 235                       | 1,772                        | 237   | 103   | 136     | 41           | 1,255                   | De 1,311            | Fe 1,228            | 1,314            | 955              | 287   | 69               | 3                |           |  |                                  |
| 34 Salt.....  | 3                         | 123                          | 1   | 5   | 5       | 2            | 110                     | Ne 120              | Au 91               | 116              | 116              |   |                  | 335              |           |  |                                  |
| 35 Shipbuilding, including boat building.....                                       | 3                         | 117                          | 4   | 3   | 3       |              | 107                     | No 153              | Ja 81               | 149              | 149              |   |                  | 123              |           |  |                                  |
| 36 Slaughtering and meat packing.....   | 6                         | 209                          | 4   | 10  | 26      | 2            | 167                     | Au 172              | Ap 164              | 165              | 165              |   |                  | 1,321            |           |  |                                  |
| 37 Stoves and furnaces, including gas and oil stoves.....                           | 6                         | 79                           |   | 6   | 4       | 2            | 67                      | No 90               | Jy 44               | 79               | 74               | 5   |                  | 165              |           |  |                                  |
| 38 Tin plate and terneplate.....  | 6                         | 1,465                        |   | 31  | 86      | 13           | 1,335                   | Je 1,444            | Ja 1,169            | 1,476            | 1,341            | 125   | 10               | 890              |           |  |                                  |
| 39 Wall plaster.....  | 4                         | 29                           | 2   | 4   | 1       | 1            | 21                      | Oc 24               | Mh <sup>2</sup> 19  | 23               | 23               |   |                  | 155              |           |  |                                  |
| 40 Woolen, worsted, and felt goods, and wool hats.....                              | 13                        | 640                          | 10  | 17  | 11      | 3            | 599                     | My 622              | Se 552              | 629              | 370              | 231   | 15               | 13               |           |  |                                  |
| 41 All other industries <sup>3</sup> .....  | 265                       | 8,432                        | 242   | 246   | 407     | 108          | 7,429                   |                     |                     |                  |                  |   |                  | 29,465           |           |  |                                  |

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

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

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

|   |   |  |   |   |   |
|---|---|--|---|---|---|
| Agricultural implements.....  | 2 | Cement.....  | 1 | Explosives.....   | 3 |
| Awnings, tents, and sails.....  | 1 | Chemicals.....                                     | 2 | Fancy articles, not elsewhere specified.....            | 1 |
| Blacking and cleansing and polishing preparations.....                    | 1 | Clothing, women's.....                             | 7 | Firearms and ammunition.....                            | 3 |
| Bluing.....   | 1 | Coffee and spice, roasting and grinding.....       | 4 | Flavoring extracts.....                                 | 3 |
| Boots and shoes, including cut stock and findings.....                    | 2 | Coffins, burial cases, and undertakers' goods..... | 1 | Food preparations.....                                  | 1 |
| Boxes, fancy and paper.....   | 3 | Cutlery and tools, not elsewhere specified.....    | 4 | Furnishing goods, men's.....                            | 2 |
| Brooms.....   | 3 | Dyeing and finishing textiles.....                 | 1 | Galvanizing.....  | 1 |
| Butter, cheese, and condensed milk.....                                   | 2 | Dyestuffs and extracts.....                        | 3 | Gas and electric fixtures and lamps and reflectors..... | 1 |
| Cars, steam-railroad, not including operations of railroad companies..... | 1 | Electrical machinery, apparatus, and supplies..... | 5 | Gas, illuminating and heating.....                      | 4 |
|   |   | Enameling and japanning.....                       | 2 | Glass, cutting, staining, and ornamenting.....          | 6 |

# STATISTICS OF MANUFACTURES.

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THE STATE, BY INDUSTRIES: 1909.

| Capital.        | EXPENSES.     |             |             |               |                         |              |                  |                                    |                |             | Value of products. | Value added by manufacture. |
|-----------------|---------------|-------------|-------------|---------------|-------------------------|--------------|------------------|------------------------------------|----------------|-------------|--------------------|-----------------------------|
|                 | Total.        | Services.   |             |               | Materials.              |              | Miscellaneous.   |                                    |                |             |                    |                             |
|                 |               | Officials.  | Clerks.     | Wage earners. | Fuel and rent of power. | Other.       | Rent of factory. | Taxes, including internal revenue. | Contract work. | Other.      |                    |                             |
| 1 \$150,922,586 | \$144,665,644 | \$3,233,498 | \$2,478,194 | \$33,000,355  | \$8,793,336             | \$84,084,652 | \$215,354        | \$2,013,941                        | \$2,201,287    | \$8,647,027 | \$161,949,526      | \$69,071,538                |
| 2 328,898       | 131,105       | 9,570       | 8,381       | 38,753        | 3,839                   | 51,391       | 456              | 437                                | 283            | 18,045      | 163,623            | 108,393                     |
| 3 1,313,226     | 426,050       | 31,350      | 3,780       | 66,249        | 116,983                 | 132,055      | 5,677            | 5,682                              | .....          | 64,274      | 596,058            | 347,020                     |
| 4 236,803       | 162,109       | 16,023      | 3,063       | 20,747        | 2,598                   | 98,441       | 225              | 586                                | 12,576         | 7,845       | 198,315            | 92,276                      |
| 5 651,601       | 1,151,566     | 17,625      | 16,564      | 187,994       | 24,088                  | 834,602      | 19,820           | 3,955                              | 172            | 46,746      | 1,469,911          | 611,221                     |
| 6 2,300,229     | 831,675       | 52,667      | 20,605      | 383,019       | 167,088                 | 108,203      | 60               | 7,578                              | 118            | 92,342      | 950,364            | 675,073                     |
| 7 389,743       | 557,517       | 7,701       | 16,796      | 57,617        | 3,258                   | 426,739      | 335              | 1,624                              | 205            | 43,242      | 604,794            | 174,797                     |
| 8 670,757       | 568,719       | 30,010      | 10,594      | 180,099       | 7,113                   | 310,971      | 8,869            | 3,234                              | .....          | 17,829      | 675,478            | 357,394                     |
| 9 2,116,664     | 6,733,578     | 75,107      | 171,731     | 3,169,602     | 86,219                  | 2,976,597    | .....            | 15,207                             | 13,743         | 225,312     | 6,732,575          | 3,669,759                   |
| 10 97,568       | 106,249       | 4,490       | 1,600       | 58,466        | 600                     | 39,711       | .....            | 475                                | 720            | 197         | 106,249            | 65,938                      |
| 11 637,224      | 1,342,003     | 13,734      | 33,775      | 126,349       | 7,942                   | 1,047,302    | 2,175            | 3,524                              | 72,000         | 35,142      | 1,469,318          | 414,014                     |
| 12 12,820,651   | 7,306,687     | 154,532     | 126,154     | 1,664,152     | 4,720,282               | 292,191      | .....            | 51,203                             | .....          | 298,173     | 7,563,419          | 2,550,946                   |
| 13 96,804       | 213,611       | 8,915       | 11,011      | 32,543        | 1,236                   | 145,958      | 5,395            | 463                                | 33             | 244,270     | 97,776             | 97,776                      |
| 14 482,556      | 562,258       | 17,714      | 5,180       | 168,133       | 2,024                   | 332,078      | 1,213            | 2,669                              | 75             | 33,232      | 668,379            | 324,277                     |
| 15 1,689,772    | 1,916,281     | 38,106      | 38,420      | 333,323       | 24,779                  | 1,329,445    | 2,434            | 4,996                              | .....          | 94,778      | 2,150,789          | 796,565                     |
| 16 3,705,932    | 7,107,296     | 50,188      | 62,563      | 210,283       | 48,888                  | 6,552,259    | 8,734            | 18,521                             | 507            | 155,353     | 7,695,801          | 1,994,654                   |
| 17 3,452,797    | 2,973,062     | 164,398     | 74,647      | 819,617       | 65,454                  | 1,694,224    | 7,887            | 14,748                             | .....          | 132,087     | 3,391,930          | 1,632,252                   |
| 18 1,360,762    | 526,750       | 37,767      | 37,635      | 253,284       | 7,199                   | 377,149      | 120              | 5,858                              | 70             | 107,668     | 964,700            | 580,352                     |
| 19 7,968,665    | 7,045,692     | 240,939     | 194,408     | 3,628,117     | 400,055                 | 1,895,873    | 5,885            | 25,667                             | 28,778         | 625,970     | 7,779,483          | 5,483,555                   |
| 20 1,594,863    | 619,950       | 29,499      | 11,877      | 113,181       | 62,718                  | 47,887       | 2,164            | 8,566                              | 1,069          | 42,989      | 475,527            | 364,922                     |
| 21 16,275,615   | 20,687,832    | 219,541     | 240,450     | 3,887,340     | 754,436                 | 15,141,804   | .....            | 63,331                             | .....          | 380,879     | 22,435,411         | 6,539,111                   |
| 22 174,397      | 106,126       | 9,980       | 2,200       | 44,592        | 12,999                  | 30,127       | .....            | 1,499                              | .....          | 4,720       | 115,855            | 72,729                      |
| 23 236,530      | 363,244       | 3,500       | 8,100       | 52,711        | 1,615                   | 275,303      | 4,380            | 1,192                              | .....          | 16,443      | 471,530            | 194,612                     |
| 24 18,164,283   | 11,989,675    | 120,180     | 80,788      | 774,922       | 84,708                  | 10,298,493   | .....            | 37,004                             | 44,640         | 548,940     | 12,450,592         | 2,067,391                   |
| 25 645,030      | 441,050       | 8,938       | 8,126       | 188,403       | 150,904                 | 73,273       | 425              | 1,408                              | .....          | 10,173      | 644,408            | 420,231                     |
| 26 4,748,015    | 2,073,739     | 100,846     | 66,969      | 298,404       | 84,559                  | 534,439      | .....            | 337,640                            | .....          | 650,882     | 2,270,981          | 1,651,983                   |
| 27 30,332,960   | 22,460,731    | 683,051     | 406,892     | 8,631,652     | 223,790                 | 8,452,297    | 17,933           | 188,585                            | 1,914,800      | 1,941,731   | 28,758,481         | 20,082,394                  |
| 28 226,582      | 271,377       | 12,742      | 10,145      | 86,630        | 2,853                   | 131,646      | 1,613            | 1,284                              | 600            | 23,864      | 364,683            | 230,184                     |
| 29 180,510      | 218,026       | 6,550       | 4,420       | 39,451        | 1,425                   | 152,268      | 2,860            | 583                                | .....          | 10,469      | 267,462            | 113,769                     |
| 30 3,603,392    | 2,471,610     | 61,217      | 36,046      | 478,113       | 204,818                 | 1,478,601    | .....            | 23,392                             | 16,000         | 173,423     | 2,662,037          | 968,618                     |
| 31 461,974      | 1,045,243     | 92,315      | 23,951      | 39,421        | 1,338                   | 254,513      | 4,314            | 2,625                              | 300            | 626,466     | 1,291,713          | 1,035,862                   |
| 32 2,921,056    | 2,421,294     | 92,585      | 67,429      | 1,255,844     | 167,810                 | 617,838      | 4,830            | 10,619                             | .....          | 204,339     | 2,678,673          | 1,893,025                   |
| 33 2,455,140    | 1,553,698     | 117,495     | 104,873     | 634,488       | 26,389                  | 514,149      | 39,845           | 12,589                             | 16,030         | 87,840      | 1,992,036          | 1,451,498                   |
| 34 150,934      | 129,732       | 6,000       | 3,540       | 45,533        | 27,632                  | 41,517       | .....            | 1,325                              | .....          | 1,185       | 131,414            | 62,265                      |
| 35 158,467      | 128,854       | 4,000       | 1,988       | 57,248        | 235                     | 59,851       | 30               | 731                                | .....          | 4,771       | 161,156            | 91,070                      |
| 36 1,115,912    | 3,627,819     | 16,500      | 22,394      | 123,356       | 20,193                  | 3,364,634    | 1,380            | 4,985                              | .....          | 74,377      | 3,763,888          | 370,061                     |
| 37 171,774      | 106,151       | 7,536       | 3,768       | 33,685        | 2,347                   | 45,121       | 690              | 914                                | .....          | 12,090      | 107,106            | 59,638                      |
| 38 2,497,863    | 8,752,086     | 50,253      | 87,532      | 847,192       | 42,375                  | 7,324,891    | .....            | 10,553                             | .....          | 389,890     | 9,257,524          | 1,890,258                   |
| 39 109,065      | 142,678       | 4,500       | 720         | 11,248        | 1,131                   | 113,674      | 400              | 261                                | .....          | 10,744      | 186,459            | 71,654                      |
| 40 1,105,810    | 1,116,167     | 21,159      | 9,756       | 221,613       | 18,301                  | 776,258      | 70               | 3,135                              | .....          | 65,875      | 1,224,247          | 420,088                     |
| 41 23,911,162   | 24,278,154    | 594,285     | 437,418     | 3,686,921     | 1,211,115               | 15,710,759   | 65,135           | 1,135,308                          | 78,568         | 1,358,645   | 26,847,887         | 9,926,013                   |

\* All other industries embrace—Continued.

|                                       |   |   |    |   |    |
|---------------------------------------|---|---|----|---|----|
| Glue.....                             | 1 | Mineral and soda waters.....                      | 63 | Smelting and refining, not from the ore.....    | 1  |
| Grindstones.....                      | 1 | Models and patterns, not including paper patterns | 1  | Tobacco manufactures.....                       | 86 |
| Hats, fur-felt.....                   | 1 | Oil, not elsewhere specified.....                 | 1  | Vinegar and cider.....                          | 17 |
| Hosiery and knit goods.....           | 2 | Paint and varnish.....                            | 1  | Wirework, including wire rope and cable.....    | 1  |
| Iron and steel, blast furnaces.....   | 3 | Paper goods, not elsewhere specified.....         | 1  | Wood distillation, not including turpentine and |    |
| Iron and steel pipe, wrought.....     | 1 | Petroleum, refining.....                          | 1  | rosin.....                                      | 1  |
| Liquors, distilled.....               | 2 | Photo-engraving.....                              | 1  | Wood, turned and carved.....                    | 6  |
| Looking-glass and picture frames..... | 1 | Smelting and refining, zinc.....                  | 1  |   |    |

## SUPPLEMENT FOR WEST VIRGINIA.

TABLE III.—DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES,  
CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

| CITY.              | Number of establishments | PERSONS ENGAGED IN INDUSTRY. |                               |   |         |         |                                |              |         |        |              | WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY. |           |       |         | Primary horse-power. |
|--------------------|--------------------------|------------------------------|-------------------------------|---|---------|---------|--------------------------------|--------------|---------|--------|--------------|---|-----------|-------|---------|----------------------|
|                    |                          | Total.                       | Proprietors and firm members. | Salaried officers, superintendents, and managers. | Clerks. |         | Wage earners (average number). |              |         | Total. | 16 and over. |   | Under 16. |       |         |                      |
|                    |                          |                              |                               |   | Male.   | Female. | Total.                         | 16 and over. |         |        | Under 16.    | Male.   | Female.   | Male. | Female. |                      |
|                    |                          |                              |                               |   |         |         |                                | Male.        | Female. |        |              |   |           |       |         |                      |
| 1 BLUEFIELD.....   | 15                       | 748                          | 5                             | 23  | 45      | 5       | 670                            | 644          | 17      | 9      | 611          | 587   | 16        | 8     | .....   | 1,648                |
| 2 CHARLESTON.....  | 63                       | 1,153                        | 47                            | 59  | 83      | 13      | 951                            | 789          | 155     | 7      | 983          | 816   | 160       | 7     | .....   | 4,106                |
| 3 HUNTINGTON.....  | 67                       | 3,489                        | 36                            | 109   | 156     | 32      | 3,156                          | 2,955        | 108     | 93     | 3,820        | 3,577   | 130       | 97    | 16      | 8,860                |
| 4 MARTINSBURG..... | 39                       | 1,551                        | 28                            | 37  | 47      | 19      | 1,420                          | 756          | 629     | 35     | 1,478        | 787   | 655       | 26    | 10      | 1,598                |
| 5 PARKERSBURG..... | 75                       | 1,766                        | 61                            | 76  | 108     | 26      | 1,495                          | 1,286        | 187     | 22     | 1,671        | 1,437   | 209       | 25    | .....   | 4,031                |
| 6 WHEELING.....    | 176                      | 8,744                        | 116                           | 265   | 394     | 160     | 7,809                          | 6,052        | 1,492   | 265    | 8,617        | 6,678   | 1,647     | 255   | 37      | 29,486               |

STATISTICS OF MANUFACTURES.

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

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

|   | Capital.    | EXPENSES.   |            |          |               |                         |            |                  |                                    |                | Value of products. | Value added by manufacture. |            |
|---|-------------|-------------|------------|----------|---------------|-------------------------|------------|------------------|------------------------------------|----------------|--------------------|-----------------------------|------------|
|   |             | Total.      | Services.  |          |               | Materials.              |            | Miscellaneous.   |                                    |                |                    |                             |            |
|   |             |             | Officials. | Clerks.  | Wage earners. | Fuel and rent of power. | Other.     | Rent of factory. | Taxes, including internal revenue. | Contract work. |                    |                             | Other.     |
| 1 | \$948,184   | \$1,410,873 | \$30,348   | \$43,243 | \$376,775     | \$13,267                | \$875,904  | \$1,509          | \$17,832                           |                | \$51,935           | \$1,465,030                 | \$575,868  |
| 2 | 2,824,882   | 2,943,314   | 90,276     | 67,684   | 469,357       | 30,004                  | 2,103,892  | 18,209           | 23,510                             | \$1,780        | 135,602            | 3,235,363                   | 1,008,467  |
| 3 | 4,916,559   | 6,039,147   | 146,936    | 127,179  | 1,681,460     | 96,416                  | 3,285,702  | 7,324            | 58,801                             | 325            | 635,004            | 6,511,260                   | 3,120,142  |
| 4 | 2,099,962   | 2,250,861   | 53,400     | 46,030   | 520,189       | 65,343                  | 1,211,243  | 3,466            | 217,437                            | 350            | 139,403            | 2,515,468                   | 1,238,872  |
| 5 | 4,423,895   | 4,914,666   | 122,805    | 98,611   | 766,049       | 105,910                 | 3,454,289  | 35,577           | 47,850                             | 15,103         | 267,869            | 5,498,452                   | 1,938,253  |
| 6 | 19,297,332. | 24,593,537  | 610,997    | 464,424  | 4,427,188     | 768,878                 | 15,256,165 | 55,260           | 1,044,990                          | 15,150         | 1,950,486          | 27,077,161                  | 11,052,108 |

## CHAPTER 5.

### MINES AND QUARRIES.

**Introduction.**—The present chapter contains a complete statement of the statistics of all mining industries, which includes all mines, quarries, and wells in the state of West Virginia for the year 1909, as shown by the Thirteenth Census.

A brief explanation of the scope of the census of mining industries and of the terms used, in so far as the usage differs from that followed in the census of manufactures, is presented below in order to prevent any misinterpretation of the statistics.

The explanations here given show the usage of the mining census generally, though some of the special rules have obviously no relation to particular states in which the industries referred to do not exist.

**Scope of census.**—The Thirteenth Census covered all classes of mines, quarries, and petroleum and gas wells that were in operation during any portion of the year 1909, both those which were producing and those whose operations were confined to development work. Mines, quarries, or wells that were idle during the entire year 1909 were omitted from the canvass. The following operations were likewise omitted from the canvass: Prospecting; the digging or dredging of sand and gravel for the construction of roads and for building operations; the production of mineral waters; and the operation of small bituminous coal banks producing less than 1,000 tons annually. Where the mineral products are not marketed in their crude condition, but are dressed or washed at the mine or quarry, the statistics of mining cover the entire work of obtaining the crude material and its preparation for the market.

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

**Number of operators.**—As a rule, the unit of enumeration was the "operator." Every individual, firm, or corporation was required to furnish one report for all mines, quarries, or wells which were operated under the same management or for which one set of books of account was kept. Separate reports were obtained for all properties operated in different states, even where they were owned by the same operator. Likewise, where the operations of one individual, firm, or corporation covered more than one class of mines and quarries, such as coal, iron, limestone, etc., a separate report was received for each industry.

**Number of mines, quarries, and wells.**—This figure represents the total number of mines and quarries in operation or in the course of development at any time during the calendar year 1909, or the business year that corresponds most nearly to that calendar year, and the number of completed petroleum and natural gas wells in operation on December 31, 1909.

In most mining and quarrying industries the number of mines or quarries varies but little from the number of operators.

**Expenses of operation and development.**—A certain amount of development work is incidental to the operation of every mine. The expenses reported for producing mines include the cost both of operation and of development work which was done in connection with operation.

**Wages.**—The amount shown as wages includes only the compensation of regular wage earners hired by the day, week, or month, or under the piecework system.

**Supplies and materials.**—This item includes the cost of lumber and timber used for repairs, mine supports, track ties, etc.; iron and steel for blacksmithing; rails, frogs, sleepers, etc., for tracks and repairs; renewals of tools and machinery and materials for repairs; and supplies, explosives, oil, etc., as well as the cost of fuel and the rent of power. The schedule called only for the cost of such supplies and materials as had been used during the year covered by the report. Accurate figures, however, could be furnished only in those cases where the operators kept an account of supplies and materials used, or had an inventory made of all in stock at the beginning and at the end of the year. Such a system of accounting is far from general among mine operators, and there is reason to believe that in many cases the reported cost of supplies and materials covered all purchased during the year rather than those used during the year. The crude product of some operators was purchased by others for further dressing or refining; the cost of such materials is shown separately in the general table.

**Capital.**—The census schedule required every operator to state the total amount of capital invested in the enterprise on the last day of the business year reported, as shown by his books. There is, however, a great diversity in the methods of bookkeeping in use by different operators. As a result, the statistics for capital lack uniformity. Some of the figures reported apparently represent capital stock at face value; others include large investments in mineral lands which are not at present being actively mined, but are held in reserve; still others may include expenditures for unproductive mining ventures in no way related to the operations carried on during the census year.

**Persons engaged in mining industries.**—The statistics of the number of operators and officials, clerks, and wage earners, are based on the returns for December 15, or the nearest representative day. The reported number of wage earners includes overseers and foremen performing work similar to that of the men over whom they have charge; those whose duties are wholly supervisory are classed as superintendents and managers. Because of the common practice of shutting down mines at frequent intervals, it is impossible to ascertain with any satisfactory degree of accuracy the average number of employees—that is, the number who, if continuously employed, would be required to produce the actual output of the year.

**Value of products.**—Statistics of the value of mineral products were obtained by the Bureau of the Census in cooperation with the United States Geological Survey, but the two bureaus follow different methods in presenting these statistics. The Geological Survey shows separately the value of each mineral product, whereas the Bureau of the Census presents the value of products of each mining industry. The value of products given for a mining industry often includes the value of some products not covered by the industry designation. The crude product of metalliferous mines may include varying combinations of metals, such as gold, silver, copper, lead, zinc, and iron. Similarly, the total value of all products of the granite quarries is not identical with the value of the total output of granite, but may include the value of some marble or other stone quarried in connection with the principal product.

The value of products for 1909 in most cases represents the value of the products marketed during that year, not the value of those mined during that year.



## MINING IN WEST VIRGINIA.

**Summary.**—Statistics for all mining enterprises in the state of West Virginia are presented in Table 7, which gives statistics for all industries combined and for producing enterprises separately in all cases where the statistics could be given without disclosing the operations of an individual enterprise. Statistics for nonproducing enterprises are also given separately from producing enterprises.

The gross value of the products of all mining enterprises in West Virginia in 1909 amounted to \$76,287,889. From this amount should be deducted \$893,664, the value of natural gas sold by some operators to others who sold it again. This leaves \$75,394,225 as the net value of the products and gives West Virginia a rank of third among the states in the value of mining products. Pennsylvania and Illinois were the only states which reported products of greater value. Bituminous coal mining, with products valued at \$46,929,592, or 62.2 per cent of the net value of the products of all enterprises, was the leading industry. Of the total value of products of this industry, \$39,797,027 represented the value of the coal sold as such, \$7,132,392 the value of the coke made at the mines, and \$173 the value of all other products. In the production of petroleum and natural gas, the industry next in importance, the net value of products amounted to \$27,294,423. The total value of the products for these two industries combined was \$74,224,015, or 98.4 per cent of the total for the state.

**Character of organization.**—Table 1 classifies the producing mining operations of the state under form of organization, distinguishing corporations from individual owners and firms, while Table 2 gives further details for incorporated enterprises distinguished from those which are unincorporated. Out of a total of 798 operators, 465, or 58.3 per cent, were corporations. These corporations reported 93.9 per cent of the total value of products and employed 97.1 per cent of all wage earners.

| INDUSTRY AND CHARACTER OF ORGANIZATION. | PRODUCING ENTERPRISES: 1909 |                         |                    |               |                       |               |                    |
|---|-----------------------------|-------------------------|--------------------|---------------|-----------------------|---------------|--------------------|
|   | Number of operators.        | Number of wage earners. | Value of products. |               | Percent distribution. |               |                    |
|   |                             |                         | Total.             | Per operator. | Operators.            | Wage earners. | Value of products. |
| <b>All industries...</b>                | 798                         | 78,404                  | \$76,287,889       | \$95,599      | 100.0                 | 100.0         | 100.0              |
| Individual.....                         | 114                         | 690                     | 1,017,825          | 8,928         | 14.3                  | 0.9           | 1.3                |
| Firm.....                               | 208                         | 907                     | 2,100,401          | 10,141        | 26.1                  | 1.2           | 2.8                |
| Corporation.....                        | 465                         | 76,137                  | 71,635,590         | 154,051       | 58.3                  | 97.1          | 93.9               |
| Other.....                              | 11                          | 670                     | 1,527,073          | 138,825       | 1.4                   | 0.0           | 2.0                |
| <b>Bituminous coal</b>                  | 307                         | 69,666                  | 46,929,592         | 152,865       | 100.0                 | 100.0         | 100.0              |
| Individual.....                         | 14                          | 369                     | 189,091            | 7,879         | 7.8                   | 0.5           | 0.4                |
| Firm.....                               | 23                          | 448                     | 229,734            | 17,672        | 4.2                   | 0.6           | 0.5                |
| Corporation.....                        | 270                         | 68,849                  | 46,510,767         | 172,262       | 87.9                  | 98.8          | 99.1               |
| <b>Petroleum and natural gas...</b>     | 442                         | 7,093                   | 28,188,087         | 63,774        | 100.0                 | 100.0         | 100.0              |
| Individual.....                         | 72                          | 128                     | 637,752            | 9,352         | 16.3                  | 1.8           | 2.4                |
| Firm.....                               | 183                         | 285                     | 1,770,289          | 9,723         | 41.4                  | 4.0           | 6.3                |
| Corporation.....                        | 175                         | 6,010                   | 24,190,745         | 138,238       | 59.6                  | 84.7          | 85.8               |
| Other.....                              | 12                          | 670                     | 1,530,301          | 127,825       | 2.7                   | 0.4           | 5.4                |

|   | Incorporated. | Unincorporated. |
|---|---------------|-----------------|
| Number of operators.....  | 465           | 333             |
| Number of mines and quarries.....                               | 646           | 72              |
| Number of wells.....  | 10,711        | 4,435           |
| Proprietors and firm members, total.....                        |               | 900             |
| Number performing manual labor.....                             |               | 81              |
| Salaried employees:   |               |                 |
| Officers of corporations.....                                   | 385           |                 |
| Superintendents and managers.....                               | 873           | 60              |
| Clerks and other salaried employees.....                        | 2,120         | 48              |
| Wage earners, Dec. 15, 1909, or nearest representative day..... | 76,137        | 2,207           |
| Capital.....  | \$203,675,354 | \$15,791,555    |
| Expenses of operation and development.....                      | 67,449,083    | 3,898,548       |
| Salaries—   |               |                 |
| Officers of corporations.....                                   | 855,020       |                 |
| Superintendents and managers.....                               | 1,274,334     | 67,354          |
| Clerks and other salaried employees.....                        | 1,610,212     | 21,055          |
| Wages.....  | 35,057,107    | 923,590         |
| Royalties and rent of mines.....                                | 7,144,242     | 651,030         |
| Taxes.....  | 858,400       | 107,043         |
| Supplies and miscellaneous expenses.....                        | 20,223,016    | 1,659,716       |
| Cost of natural gas purchased and resold.....                   | 425,783       | 467,881         |
| Value of products.....  | 71,633,500    | 4,654,290       |

**Size of enterprises.**—In Table 3 the producing mining enterprises of the state are classified according to the number of wage earners employed per enterprise or operating unit. For all industries combined there were 176 enterprises which employed over 100 wage earners each. These enterprises, while they represent but one-fifth of the total number, employed over four-fifths of all the wage earners. Of the 400 enterprises engaged in the production of bituminous coal, 8 employed over 1,000 wage earners each and reported 29.7 per cent of all the wage earners in that industry.

| INDUSTRY AND WAGE EARNERS PER ENTERPRISE.  | PRODUCING ENTERPRISES: 1909 |                        |               |                        |
|--|-----------------------------|------------------------|---------------|------------------------|
|  | Enterprises.                |                        | Wage earners. |                        |
|  | Number.                     | Per cent distribution. | Number.       | Per cent distribution. |
| <b>All industries.....</b>                 | 891                         | 100.0                  | 78,404        | 100.0                  |
| No wage earners.....                       | 25                          | 2.8                    |               |                        |
| Contract work and part-time employees..... | 155                         | 17.4                   |               |                        |
| 1 to 5.....                                | 225                         | 25.3                   |               |                        |
| 6 to 20.....                               | 104                         | 11.7                   | 447           | 0.6                    |
| 21 to 50.....                              | 98                          | 11.0                   | 1,189         | 1.5                    |
| 51 to 100.....                             | 108                         | 12.1                   | 3,442         | 4.4                    |
| 101 to 500.....                            | 157                         | 17.6                   | 7,880         | 10.1                   |
| 501 to 1,000.....                          | 10                          | 1.1                    | 33,203        | 42.3                   |
| Over 1,000.....                            | 9                           | 1.0                    | 6,048         | 8.0                    |
|  |                             |                        | 25,286        | 32.3                   |
| <b>Bituminous coal.....</b>                | 400                         | 100.0                  | 69,666        | 100.0                  |
| Contract work.....                         | 2                           | 0.5                    |               |                        |
| 1 to 5.....                                | 18                          | 4.5                    | 58            | 0.1                    |
| 6 to 20.....                               | 39                          | 9.8                    | 489           | 0.7                    |
| 21 to 50.....                              | 77                          | 19.3                   | 2,780         | 4.0                    |
| 51 to 100.....                             | 94                          | 23.5                   | 6,868         | 9.9                    |
| 101 to 500.....                            | 153                         | 38.3                   | 32,432        | 46.6                   |
| 501 to 1,000.....                          | 9                           | 2.3                    | 6,375         | 9.2                    |
| Over 1,000.....                            | 8                           | 2.0                    | 20,664        | 29.7                   |
| <b>Petroleum and natural gas.....</b>      | 442                         | 100.0                  | 7,093         | 100.0                  |
| No wage earners.....                       | 25                          | 5.7                    |               |                        |
| Contract work and part-time employees..... | 153                         | 34.6                   |               |                        |
| 1 to 5.....                                | 194                         | 43.9                   | 353           | 5.0                    |
| 6 to 20.....                               | 49                          | 11.1                   | 541           | 7.6                    |
| 21 to 50.....                              | 11                          | 2.5                    | 325           | 4.6                    |
| 51 to 100.....                             | 6                           | 1.4                    | 452           | 6.4                    |
| Over 100.....                              | 4                           | 0.9                    | 5,422         | 76.4                   |

**Prevailing hours of labor.**—In Table 4 all producing enterprises, except those employing no wage earners and those operated exclusively by contract work and part-time employees, have been classified according

to the prevailing hours of labor per day in each enterprise or operating unit. Petroleum and natural gas wells are not included in this table because the lack of regularity in the number of hours worked per day in a large number of enterprises rendered such classification impracticable. The table shows the percentage of the total number of enterprises falling in each group, and also a per cent distribution in which each enterprise has been given a weight according to the total number of wage earners employed December 15, 1909, or the nearest representative day. It should be borne in mind that this latter distribution does not show the exact proportion of the total number of wage earners working the specified number of hours per day, since, in some cases, a part of the employees worked a greater or less number of hours than those generally prevailing in the enterprise.

For all industries combined and in the production of bituminous coal over three-fourths of the wage earners were employed in enterprises where a day of 10 hours prevailed.

| INDUSTRY AND HOURS PER DAY.  | PRODUCING ENTERPRISES: 1909 |                        |  |
|------------------------------|-----------------------------|------------------------|--|
|                              | Enterprises.                |                        | Per cent distribution of enterprises weighted according to number of wage earners. |
|                              | Number.                     | Per cent distribution. |  |
| <b>All industries</b> .....  | 1 445                       | 100.0                  | 100.0  |
| 8 hours and under.....       | 42                          | 9.4                    | 3.2  |
| 9 hours.....                 | 88                          | 19.8                   | 19.3   |
| 10 hours.....                | 315                         | 70.8                   | 77.6   |
| <b>Bituminous coal</b> ..... | 396                         | 100.0                  | 100.0  |
| 8 hours and under.....       | 41                          | 10.4                   | 3.2  |
| 9 hours.....                 | 79                          | 19.9                   | 19.6   |
| 10 hours.....                | 276                         | 69.7                   | 77.2   |

<sup>1</sup> Exclusive of petroleum and natural gas and 2 bituminous coal mines for which number of hours was not reported.

Duplication between manufactures and mining.—In a number of industries some of the operators subjected the products obtained to certain manufacturing processes on the premises before marketing. These enterprises have been included in the statistics both for manufactures and for mining. As a result of this fact, the combined value of products for the manufacturing and mining industries in West Virginia involves a duplication of \$7,181,062.

Engines and power.—As shown by Table 5, the aggregate horsepower employed in producing enterprises was 416,282, of which 410,230 horsepower was developed by engines and water wheels owned by the enterprises using them, and 6,502 by electric motors operated by purchased current.

| CHARACTER OF POWER.  | PRODUCING ENTERPRISES: 1909 |                  |                            |            |            |
|--|-----------------------------|------------------|----------------------------|------------|------------|
|  | Total.                      | Bituminous coal. | Petroleum and natural gas. | Limestone. | All other. |
| <b>Primary power:</b>  |                             |                  |                            |            |            |
| Aggregate horsepower.....  | 416,282                     | 155,576          | 258,138                    | 2,796      | 1,772      |
| Owned.....   | 410,230                     | 149,971          | 256,108                    | 2,489      | 1,662      |
| Steam engines—   |                             |                  |                            |            |            |
| Number.....  | 8,014                       | 1,114            | 6,833                      | 24         | 43         |
| Horsepower.....  | 327,310                     | 149,815          | 173,374                    | 2,489      | 1,632      |
| Gas or gasoline engines—   |                             |                  |                            |            |            |
| Number.....  | 3,349                       | 20               | 3,328                      |            | 1          |
| Horsepower.....  | 82,910                      | 146              | 82,734                     |            | 30         |
| Water wheels—  |                             |                  |                            |            |            |
| Number.....  | 2                           | 2                |                            |            |            |
| Horsepower.....  | 10                          | 10               |                            |            |            |
| Electric motors operated by purchased current—                       |                             |                  |                            |            |            |
| Number.....  | 233                         | 222              | 1                          | 6          | 4          |
| Horsepower.....  | 6,052                       | 5,605            | 30                         | 307        | 110        |
| <b>Electric motors run by current generated by enterprise using:</b> |                             |                  |                            |            |            |
| Number.....  | 2,603                       | 2,232            | 371                        |            |            |
| Horsepower.....  | 89,014                      | 81,598           | 7,416                      |            |            |

Comparison of mining industries: 1902-1909.—In order to make comparisons between 1909 and 1902 it is necessary to omit from the 1902 figures, as given in the mines and quarries report for that year, statistics for the production of cement; to omit from the 1909 figures, as they appear in other tables in this chapter, statistics for the manufacture of coke at bituminous coal mines; and to add to the 1909 statistics, figures for the production of lime, which were omitted from the census of the mines and quarries in 1909. Such items as are comparable for the two years are presented in Table 6.

|                                  | PRODUCING ENTERPRISES. |              |                                    |
|----------------------------------|------------------------|--------------|------------------------------------|
|                                  | 1909                   | 1902         | Per cent of increase. <sup>1</sup> |
| Wages and salaries.....          | \$38,177,028           | \$19,995,757 | 91.8                               |
| Supplies and materials.....      | \$12,801,951           | \$8,513,767  | 50.4                               |
| Royalties and rent of mines..... | \$7,796,597            | \$3,374,780  | 101.2                              |
| Contract work.....               | \$4,307,288            | \$5,194,279  | -17.1                              |
| Value of products.....           | \$73,452,935           | \$48,362,664 | 51.8                               |
| Primary horsepower.....          | 417,282                | 240,170      | 73.7                               |

<sup>1</sup> A minus sign (-) denotes decrease.  
<sup>2</sup> Exclusive of wages of part-time employees for the petroleum and natural gas industry, which are included under "Contract work," in Table 7.

SUPPLEMENT FOR WEST VIRGINIA.

DETAILED STATISTICS FOR MINING INDUSTRIES: 1909.

| Table 7  | PRODUCING MINES, QUARRIES, AND WELLS. |                     |                     |                            |                  |                  |                      |                         | Non-producing mines, quarries, and wells. <sup>2</sup> |
|--|---------------------------------------|---------------------|---------------------|----------------------------|------------------|------------------|----------------------|-------------------------|--|
|  | Aggregate.                            | Total.              | Bituminous coal.    | Petroleum and natural gas. | Limestone.       | Sandstone.       | Clay (sold as such). | All other. <sup>1</sup> |  |
| Number of operators.....   | 815                                   | 798                 | 307                 | 442                        | 12               | 27               | 3                    | 7                       | 17   |
| Number of mines, quarries, and wells.....                              | 15,884                                | 15,864              | 661                 | 15,146                     | 13               | 33               | 4                    | 7                       | 20   |
| Capital <sup>3</sup> .....   | \$221,659,945                         | \$219,466,909       | \$148,802,294       | \$68,811,344               | \$1,385,323      | \$281,152        | \$88,609             | \$98,187                | \$2,193,036  |
| <b>Expenses of operation and development.....</b>                      | <b>\$71,658,910</b>                   | <b>\$71,347,631</b> | <b>\$45,469,759</b> | <b>\$25,005,078</b>        | <b>\$617,643</b> | <b>\$188,788</b> | <b>\$29,682</b>      | <b>\$36,681</b>         | <b>\$311,279</b>                                       |
| <b>Services—</b>   |                                       |                     |                     |                            |                  |                  |                      |                         |  |
| Salaried officers of corporations, superintendents, and managers.....  | \$2,202,851                           | \$2,197,617         | \$1,596,534         | \$575,509                  | \$11,947         | \$11,267         | \$1,370              | \$900                   | \$5,234  |
| Clerks and other salaried employees.....                               | \$1,639,305                           | \$1,631,267         | \$1,408,251         | \$214,726                  | \$4,863          | \$2,520          | \$537                | \$370                   | \$3,038  |
| Wage earners.....  | \$36,026,592                          | \$35,980,736        | \$30,995,703        | \$4,397,975                | \$402,674        | \$141,901        | \$13,885             | \$28,598                | \$45,856   |
| <b>Miscellaneous—</b>  |                                       |                     |                     |                            |                  |                  |                      |                         |  |
| Supplies.....  | \$11,758,558                          | \$11,647,711        | \$5,138,803         | \$6,334,336                | \$143,226        | \$17,822         | \$10,505             | \$3,019                 | \$110,847  |
| Cost of natural gas purchased and resold.....                          | \$893,664                             | \$893,664           |                     | \$893,664                  |                  |                  |                      |                         |  |
| Fuel and rent of power.....  | \$1,213,029                           | \$1,212,825         | \$707,151           | \$449,963                  | \$46,986         | \$5,329          | \$1,331              | \$2,065                 | \$204  |
| Royalties and rent of mines.....                                       | \$7,806,428                           | \$7,796,172         | \$2,870,850         | \$4,921,805                | \$1,323          | \$1,514          |                      | \$680                   | \$10,256   |
| Taxes.....   | \$971,405                             | \$965,443           | \$485,161           | \$476,343                  | \$1,875          | \$1,256          | \$406                | \$402                   | \$5,962  |
| Contract work.....   | \$4,576,543                           | \$4,465,926         | \$62,270            | \$4,403,647                |                  |                  |                      |                         | \$110,617  |
| Rent of offices and other sundry expenses.....                         | \$4,570,535                           | \$4,556,270         | \$2,205,027         | \$2,337,020                | \$4,749          | \$7,179          | \$1,648              | \$647                   | \$14,265   |
| <b>Value of products.....</b>  | <b>\$76,287,889</b>                   | <b>\$76,287,889</b> | <b>\$46,028,592</b> | <b>\$28,188,087</b>        | <b>\$835,498</b> | <b>\$243,435</b> | <b>\$37,765</b>      | <b>\$53,512</b>         | .....  |
| <b>Persons engaged in industry.....</b>                                | <b>83,062</b>                         | <b>82,808</b>       | <b>72,477</b>       | <b>8,606</b>               | <b>1,149</b>     | <b>437</b>       | <b>42</b>            | <b>97</b>               | <b>254</b>   |
| <b>Proprietors and officials.....</b>                                  | <b>2,257</b>                          | <b>2,236</b>        | <b>1,038</b>        | <b>1,129</b>               | <b>20</b>        | <b>37</b>        | <b>4</b>             | <b>8</b>                | <b>21</b>  |
| Proprietors and firm members.....                                      | 918                                   | 909                 | 59                  | 807                        | 7                | 28               | 2                    | 6                       | 9  |
| Number performing manual labor.....                                    | 81                                    | 81                  | 12                  | 56                         | 10               | 1                | 1                    | 2                       | .....  |
| Salaried officers of corporations.....                                 | 390                                   | 385                 | 287                 | 92                         | 4                | 1                | 1                    | 1                       | 5  |
| Superintendents and managers.....                                      | 949                                   | 942                 | 692                 | 230                        | 9                | 8                | 1                    | 2                       | 7  |
| Clerks and other salaried employees.....                               | 2,180                                 | 2,168               | 1,773               | 384                        | 4                | 4                | 2                    | 1                       | 12   |
| <b>Wage earners, Dec. 15, 1909, or nearest representative day.....</b> | <b>78,625</b>                         | <b>78,404</b>       | <b>69,666</b>       | <b>7,093</b>               | <b>1,125</b>     | <b>396</b>       | <b>36</b>            | <b>88</b>               | <b>221</b>   |
| Above ground.....  | 23,904                                | 23,755              | 15,034              | 7,093                      | 1,125            | 396              | 10                   | 88                      | 149  |
| Below ground.....  | 54,721                                | 54,649              | 54,632              | .....                      | .....            | .....            | 17                   | .....                   | 72   |
| <b>Men 16 years of age and over.....</b>                               | <b>77,777</b>                         | <b>77,556</b>       | <b>68,829</b>       | <b>7,093</b>               | <b>1,116</b>     | <b>394</b>       | <b>36</b>            | <b>88</b>               | <b>221</b>   |
| Engineers, firemen, mechanics, etc.....                                | 9,885                                 | 9,826               | 4,285               | 5,462                      | 34               | 38               | 2                    | 5                       | 59   |
| Above ground.....  | 9,035                                 | 8,976               | 3,435               | 5,462                      | 34               | 38               | 2                    | 5                       | 59   |
| Below ground.....  | 850                                   | 850                 | .....               | .....                      | .....            | .....            | .....                | .....                   | .....  |
| <b>Miners, miners' helpers, quarrymen, and stoncutters.....</b>        | <b>42,248</b>                         | <b>42,154</b>       | <b>40,710</b>       | .....                      | <b>1,063</b>     | <b>279</b>       | <b>28</b>            | <b>74</b>               | <b>94</b>  |
| Above ground.....  | 1,449                                 | 1,427               | .....               | .....                      | 1,063            | 279              | 11                   | 74                      | 22   |
| Below ground.....  | 40,799                                | 40,727              | 40,710              | .....                      | .....            | .....            | 17                   | .....                   | 72   |
| <b>All other employees.....</b>  | <b>25,644</b>                         | <b>25,576</b>       | <b>23,834</b>       | <b>1,631</b>               | <b>19</b>        | <b>77</b>        | <b>6</b>             | <b>9</b>                | <b>68</b>  |
| Above ground.....  | 13,295                                | 13,227              | 11,485              | 1,631                      | 19               | 77               | 6                    | 9                       | 68   |
| Below ground.....  | 12,349                                | 12,349              | 12,349              | .....                      | .....            | .....            | .....                | .....                   | .....  |
| <b>Boys under 16 years of age<sup>4</sup>.....</b>                     | <b>848</b>                            | <b>848</b>          | <b>837</b>          | .....                      | <b>9</b>         | <b>2</b>         | .....                | .....                   | .....  |
| <b>Number of wage earners employed on the 15th day of each month:</b>  |                                       |                     |                     |                            |                  |                  |                      |                         |  |
| January.....   | 71,133                                | 71,133              | 63,980              | 6,191                      | 675              | 199              | 29                   | 59                      | .....  |
| February.....  | 70,622                                | 70,622              | 63,461              | 6,152                      | 707              | 206              | 31                   | 65                      | .....  |
| March.....   | 70,300                                | 70,300              | 62,932              | 6,276                      | 742              | 237              | 31                   | 82                      | .....  |
| April.....   | 71,243                                | 71,241              | 63,308              | 6,417                      | 1,120            | 284              | 30                   | 76                      | 2  |
| May.....   | 71,120                                | 71,118              | 62,983              | 6,590                      | 1,123            | 310              | 30                   | 76                      | 4  |
| June.....  | 72,301                                | 72,297              | 63,906              | 6,826                      | 1,097            | 353              | 33                   | 82                      | 72   |
| July.....  | 72,571                                | 72,499              | 64,080              | 6,861                      | 1,093            | 353              | 32                   | 80                      | 78   |
| August.....  | 74,029                                | 73,951              | 65,276              | 7,072                      | 1,147            | 334              | 30                   | 92                      | 116  |
| September.....   | 75,874                                | 75,758              | 66,965              | 7,106                      | 1,189            | 375              | 32                   | 91                      | 155  |
| October.....   | 76,636                                | 76,483              | 67,704              | 7,054                      | 1,191            | 417              | 33                   | 84                      | 168  |
| November.....  | 78,328                                | 78,160              | 69,161              | 7,401                      | 1,095            | 391              | 35                   | 76                      | 159  |
| December.....  | 77,528                                | 77,369              | 68,986              | 7,087                      | 822              | 366              | 36                   | 72                      | .....  |
| <b>Land controlled, acres.....</b>                                     | <b>5,599,794</b>                      | <b>5,569,353</b>    | <b>1,176,860</b>    | <b>4,387,632</b>           | <b>1,795</b>     | <b>1,946</b>     | <b>487</b>           | <b>633</b>              | <b>30,441</b>  |
| Owned.....   | 644,804                               | 636,840             | 611,023             | 22,298                     | 1,678            | 969              | 437                  | 385                     | 7,964  |
| Held under lease.....  | 4,954,990                             | 4,932,513           | 665,837             | 4,365,334                  | 117              | 977              | .....                | 248                     | 22,477   |
| <b>Mineral and oil land.....</b>                                       | <b>5,556,577</b>                      | <b>5,526,703</b>    | <b>1,134,485</b>    | <b>4,387,632</b>           | <b>1,520</b>     | <b>1,946</b>     | <b>487</b>           | <b>633</b>              | <b>28,874</b>  |
| Owned.....   | 616,427                               | 608,805             | 583,263             | 22,298                     | 1,403            | 969              | 437                  | 385                     | 7,622  |
| Held under lease.....  | 4,940,150                             | 4,917,898           | 551,222             | 4,365,334                  | 117              | 977              | .....                | 248                     | 22,252   |
| <b>Timber land.....</b>  | <b>13,435</b>                         | <b>13,435</b>       | <b>13,435</b>       | .....                      | .....            | .....            | .....                | .....                   | .....  |
| Other land.....  | 29,782                                | 29,215              | 28,940              | .....                      | 275              | .....            | .....                | .....                   | 597  |
| <b>Primary horsepower.....</b>   | <b>417,409</b>                        | <b>416,282</b>      | <b>155,576</b>      | <b>256,138</b>             | <b>2,796</b>     | <b>973</b>       | <b>418</b>           | <b>381</b>              | <b>1,127</b>   |

<sup>1</sup> Includes operators as follows: Asphalt and bituminous rock, 1; bluestone, 2; grindstones, 2; iron, 1; marble, 1.  
<sup>2</sup> Includes operators as follows: Bituminous coal, 6; grindstones, 1; limestone, 1; marble, 1; petroleum and natural gas, 3.  
<sup>3</sup> Exclusive of capital which could not be distributed by states because it was reported in one lump sum by operators having mining investments in two or more states.  
<sup>4</sup> In the bituminous coal industry 723 boys were employed below ground.