MANUFACTURES

PLATES 409–449
MANUFACTURES.

409 Value of all manufactured products and proportional value for each division: 1909, 1904, and 1899.
   2. Average number of wage earners, by states: 1909.

   1. Average number of wage earners for 48 leading cities: 1909.

412 Value of all manufactured products and proportional value of each group: 1909, 1904, and 1899.
   2. Percentage of total value of products reported for leading industries: 1909.

413 Average number of wage earners by states: 1909 and 1899.

414 Value of products for groups of industries: 1909, 1904, and 1899.
   1. Value of all manufactured products and proportional value of each group: 1909, 1904, and 1899.

415 Value of products for each division: 1909, 1904, and 1899.
   1. Average number of wage earners, by states: 1909 and 1899.

416 Average number of wage earners, by states: 1909 and 1899.

417 Average number of wage earners by industries employing over 40,000 wage earners: 1909.
   1. Boots and shoes, including cut stock and findings—Value of products for leading states: 1909 and 1909.
   5. Clothing, men's, including shirts—Value of products for leading states: 1909 and 1909.
   7. Silk and silk goods, including throwsters—Value of products for leading states: 1909 and 1909.

418 Value of all manufactured products for 48 leading cities: 1909.

419 Merchant flour mills and gristmills—Value of products for leading states: 1909 and 1909.

420 Merchant flour mills and gristmills—Value of products, by states: 1909 (map).

421 Average number of wage earners by industries employing over 40,000 wage earners: 1909.

422 Butter, cheese, and condensed milk—Value of products, by states: 1909 (map).

423 Canning and preserving—Value of products for leading states: 1909 and 1899.
   2. Oil, cottonseed, and cake—Value of products for leading states: 1909 and 1899.

424 Oil, cottonseed, and cake—Value of products for leading states: 1909 and 1899.


426 Chemicals—Value of products for leading states: 1909 and 1899.

427 Copper, tin, and sheet-iron products—Value of products for leading states: 1909 and 1899.

428 Blast furnaces—Location of establishments: 1909 (map).
   1. Blast furnaces—Location of establishments: 1909 (map).

429 Steel works and rolling mills: 1909 and 1899—
   1. Steel production—
   2. Finished rolled products and forgings.

430 Steel works and rolling mills: 1909 and 1899—
   2. Cars and general shop construction and repairs by steam railroad companies—Value of products for leading states: 1909 and 1899.

431 Steel works and rolling mills: 1909 and 1899—

432 Lumber—Value of products, by states: 1909 (map).


436 Manufacturing plants on the outskirts of Richmond, Va., Columbus, Ohio, and Pueblo, Colo.: 1909 (map).

437 New York City metropolitan district: 1909 (map).

438 Chicago metropolitan district: 1909 (map).

439 Philadelphia metropolitan district: 1909 (map).

440 Pittsburgh metropolitan district: 1909 (map).

441 Boston metropolitan district: 1909 (map).

442 St. Louis metropolitan district: 1909 (map).

443 Cleveland metropolitan district: 1909 (map).

444 Buffalo metropolitan district: 1909 (map).

445 Detroit metropolitan district: 1909 (map).

446 Cincinnati metropolitan district: 1909 (map).

447 Baltimore metropolitan district: 1909 (map).

448 Minneapolis-St. Paul metropolitan district: 1909 (map).

449 San Francisco-Oakland metropolitan district: 1909 (map).
VALUE OF ALL MANUFACTURED PRODUCTS AND PROPORTIONAL VALUE FOR EACH DIVISION:
1909, 1904, AND 1899

1909

1904

1899
1. VALUE OF MANUFACTURED PRODUCTS FOR 48 LEADING CITIES: 1909

2. AVERAGE NUMBER OF WAGE EARNERS FOR 48 LEADING CITIES: 1909
VALUE OF ALL MANUFACTURED PRODUCTS AND PROPORTIONAL VALUE OF EACH GROUP:
1909, 1904, AND 1899

1909

1904

1899
1. VALUE OF PRODUCTS FOR LEADING INDUSTRIES: 1909 AND 1899

MILLIONS OF DOLLARS

<table>
<thead>
<tr>
<th>Industry</th>
<th>1909</th>
<th>1899</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEAT PACKING</td>
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<td></td>
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<tr>
<td>FOUNDRY AND MACHINE-SHOPS</td>
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<tr>
<td>LUMBER</td>
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<td>STEEL ROLLING MILLS</td>
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<td>FLOUR MILLS</td>
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<tr>
<td>PRINTING AND PUBLISHING</td>
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<td>COTTON GOODS</td>
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<td>BOOTS AND SHOES</td>
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<td>WOOLEN GOODS</td>
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<td>TOBACCO</td>
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<td>RAILROAD SHOPS</td>
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<td>BAKERIES</td>
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<td>BLAST FURNACES</td>
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<td>CLOTHING, WOMEN'S</td>
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<td>COPPER SMELTING</td>
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<td>LIQUORS, MALT</td>
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<td>SUGAR AND MOLASSES</td>
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<td>BUTTER AND CHEESE</td>
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<td>PAPER AND PULP</td>
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<td>FURNITURE</td>
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<td>LIQUORS, DISTILLED</td>
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<td>KNIT GOODS</td>
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<td>COPPER, TIN, AND SHEET-IRON</td>
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<td>SILK GOODS</td>
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<td>CARS, STEAM-RAILROAD</td>
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<td>LEATHER GOODS</td>
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<td>FERTILIZERS</td>
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2. PERCENTAGE OF TOTAL VALUE OF PRODUCTS REPORTED FOR LEADING INDUSTRIES: 1909

<table>
<thead>
<tr>
<th>Industry</th>
<th>1909</th>
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<tbody>
<tr>
<td>MEAT PACKING</td>
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<td>FLOUR MILLS</td>
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<td>PRINTING AND PUBLISHING</td>
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<td>WOOLEN GOODS</td>
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<td>BUTTER AND CHEESE</td>
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<td>PETROLEUM, REFINING</td>
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<td>LIQUORS, DISTILLED</td>
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<td>KNIT GOODS</td>
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<tr>
<td>COPPER, TIN, AND SHEET-IRON</td>
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</table>
AVERAGE NUMBER OF WAGE EARNERS, BY STATES: 1909 AND 1899

NEW YORK
PENNSYLVANIA
MASSACHUSETTS
ILLINOIS
OHIO
NEW JERSEY
MICHIGAN
CONNECTICUT
INDIANA
WISCONSIN
MISSOURI
NORTH CAROLINA
CALIFORNIA
RHODE ISLAND
MARYLAND
VIRGINIA
GEORGIA
MINNESOTA
MAINE
NEW HAMPSHIRE
LOUISIANA
TENNESSEE
SOUTH CAROLINA
ALABAMA
TEXAS
WASHINGTON
KENTUCKY
WEST VIRGINIA
IOWA
FLORIDA
MISSISSIPPI
ARKANSAS
KANSAS
VERMONT
OREGON
COLORADO
NEBRASKA
DELAWARE
OKLAHOMA
UTAH
MONTANA
IDAHO
DIST. OF COLUMBIA
ARIZONA
NEW MEXICO
SOUTH DAKOTA
WYOMING
NORTH DAKOTA
NEVADA

1909
1899
AVERAGE NUMBER OF WAGE EARNERS BY INDUSTRIES EMPLOYING OVER 40,000 WAGE EARNERS: 1909

- Lumber and Timber
- Foundry and Machine-Shop
- Cotton Goods
- Cars and General Shop Construction, and Repairs
- Printing and Publishing
- Iron and Steel, Steel Works, and Rolling Mills
- Men's Clothing
- Boots and Shoes
- Woollen, Worsted, and Felt Goods
- Tobacco
- Women's Clothing
- Hosiery and Knit Goods
- Furniture
- Bread
- Silk and Silk Goods
- Slaughtering and Meat Packing
- Electrical Machinery
- Paper and Wood Pulp
- Automobiles
- Copper, Tin, and Sheet Iron
- Carriages and Wagons
- Marble and Stone Work
- Leather
- Canning and Preserving
- Liquors, Malt
- Agricultural Implements
- Confectionery
- Cars, Steam Railroad
- Brass and Bronze
COTTON GOODS, INCLUDING COTTON SMALL WARES—VALUE OF PRODUCTS FOR LEADING STATES:
1909 AND 1899

Massachusetts
North Carolina
South Carolina
Rhode Island
Georgia
Pennsylvania
New Hampshire
Connecticut
Alabama
Maine
New York
New Jersey
Virginia
Maryland
Tennessee

2. SILK AND SILK GOODS, INCLUDING THROWSTERS—VALUE
OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. COTTON GOODS, INCLUDING COTTON SMALL WARES—VALUE OF PRODUCTS, BY STATES: 1909

- $10,000,000
- $7,500,000 to $10,000,000
- $5,000,000 to $7,500,000
- $2,500,000 to $5,000,000
- Less than $2,500,000
1. HOSIERY AND KNIT GOODS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

NEW YORK
PENNSYLVANIA
MASSACHUSETTS
WISCONSIN
OHIO
ILLINOIS
CONNECTICUT
NORTH CAROLINA
NEW HAMPSHIRE
MICHIGAN
RHODE ISLAND
NEW JERSEY
TENNESSEE
GEORGIA
VIRGINIA
INDIANA
MINNESOTA
VERMONT
MARYLAND
SOUTH CAROLINA

2. HOSIERY AND KNIT GOODS—DISTRIBUTION OF THE VALUE OF PRODUCTS, BY STATES: 1909
1. MERCHANT FLOUR MILLS AND GRISTMILLS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. MERCHANT FLOUR MILLS AND GRISTMILLS—VALUE OF PRODUCTS, BY STATES: 1909

3. BREAD AND OTHER BAKERY PRODUCTS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899
1. BUTTER, CHEESE, AND CONDENSED MILK—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

<table>
<thead>
<tr>
<th>State</th>
<th>Value (1909)</th>
<th>Value (1899)</th>
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<tbody>
<tr>
<td>Wisconsin</td>
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<tr>
<td>New York</td>
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<tr>
<td>Iowa</td>
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<td>Minnesota</td>
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<td>Illinois</td>
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<td>Michigan</td>
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<td>Ohio</td>
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<td>Vermont</td>
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<td>Nebraska</td>
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<td>Washington</td>
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<td>Kansas</td>
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<td>Oregon</td>
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<td>Indiana</td>
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<td>Missouri</td>
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<tr>
<td>South Dakota</td>
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<tr>
<td>Colorado</td>
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</tbody>
</table>

2. BUTTER, CHEESE, AND CONDENSED MILK—VALUE OF PRODUCTS, BY STATES: 1909

- $2,000,000
- $1,500,000 to $2,000,000
- $1,000,000 to $1,500,000
- $500,000 to $1,000,000
- Less than $500,000
1. SLAUGHTERING AND MEAT PACKING INDUSTRY—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

ILLINOIS
KANSAS
NEW YORK
NEBRASKA
MISSOURI
IOWA
PENNSYLVANIA
OHIO
INDIANA
MASSACHUSETTS
TEXAS
NEW JERSEY
CALIFORNIA
WISCONSIN
MINNESOTA
WASHINGTON
MARYLAND
MICHIGAN

2. SLAUGHTERING AND MEAT PACKING INDUSTRY—VALUE OF PRODUCTS, BY STATES: 1909

$10,000,000
$7,500,000 to $10,000,000
$5,000,000 to $7,500,000
$2,500,000 to $5,000,000
Less than $2,500,000
1. FERTILIZERS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. FERTILIZERS—VALUE OF PRODUCTS, BY STATES: 1909
1. GAS, ILLUMINATING AND HEATING—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. TURPENTINE AND ROSIN—VALUE OF PRODUCTS FOR LEADING STATES: 1909

3. CHEMICALS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

[Statistics for 1899 include "sulphuric, nitric, and mixed acids" and "wood distillation, not including turpentine and rosin."]
I. FOUNDRY AND MACHINE-SHOP PRODUCTS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

II. COPPER, TIN, AND SHEET-IRON PRODUCTS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

III. BRASS AND BRONZE PRODUCTS—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899
1. PIG-IRON PRODUCTION FOR LEADING STATES: 1909 AND 1899

Pennsylvania
Ohio
Illinois
Alabama
New York
Indiana
Virginia
Tennessee
Michigan
Colorado
New Jersey
Maryland
Wisconsin
West Virginia

2. PIG-IRON PRODUCTION, BY STATES: 1909

- 400,000 tons
- 300,000 to 400,000 tons
- 200,000 to 300,000 tons
- 100,000 to 200,000 tons
- Less than 100,000 tons
Note.—The total number of establishments in Allegheny County, Pennsylvania (55), not shown because of lack of space.
1. CARRIAGE AND WAGON INDUSTRY—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. CARRIAGE AND WAGON INDUSTRY—VALUE OF PRODUCTS, BY STATES: 1909
1. AUTOMOBILES—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1904

<table>
<thead>
<tr>
<th>State</th>
<th>1909</th>
<th>1904</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michigan</td>
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<td>New York</td>
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<tr>
<td>California</td>
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</tbody>
</table>

2. AUTOMOBILES—VALUE OF PRODUCTS, BY STATES: 1909

- $3,000,000
- $2,250,000 to $3,000,000
- $1,500,000 to $2,250,000
- $750,000 to $1,500,000
- Less than $750,000
1. LUMBER—VALUE OF PRODUCTS FOR LEADING STATES: 1909 AND 1899

2. LUMBER—VALUE OF PRODUCTS, BY STATES: 1909
MANUFACTURING PLANTS ON THE OUTSKIRTS OF RICHMOND, VA., COLUMBUS, OHIO, AND PUEBLO, COLO.

RICHMOND, VA.
-- CITY BOUNDARY 1910

COLUMBUS, OHIO
-- CITY BOUNDARY 1910

PUEBLO, COLO.
-- CITY BOUNDARY 1910
BOSTON METROPOLITAN DISTRICT: 1909
DETROIT METROPOLITAN DISTRICT: 1909
Baltimore Metropolitan District: 1909

Numbers refer to election districts.
SAN FRANCISCO-OAKLAND METROPOLITAN DISTRICT: 1909