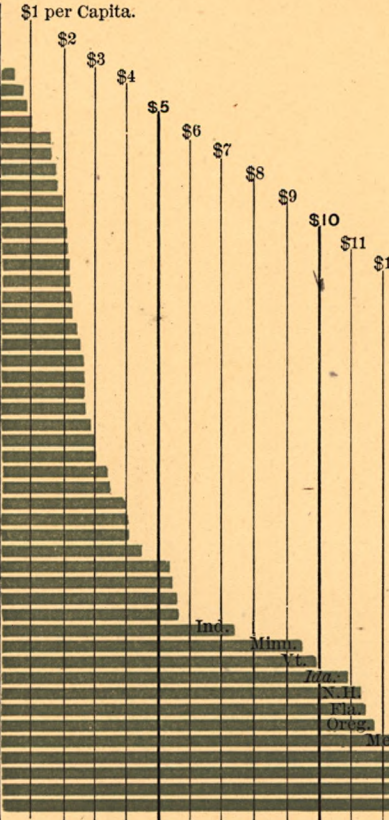


LUMBER, SAWED.

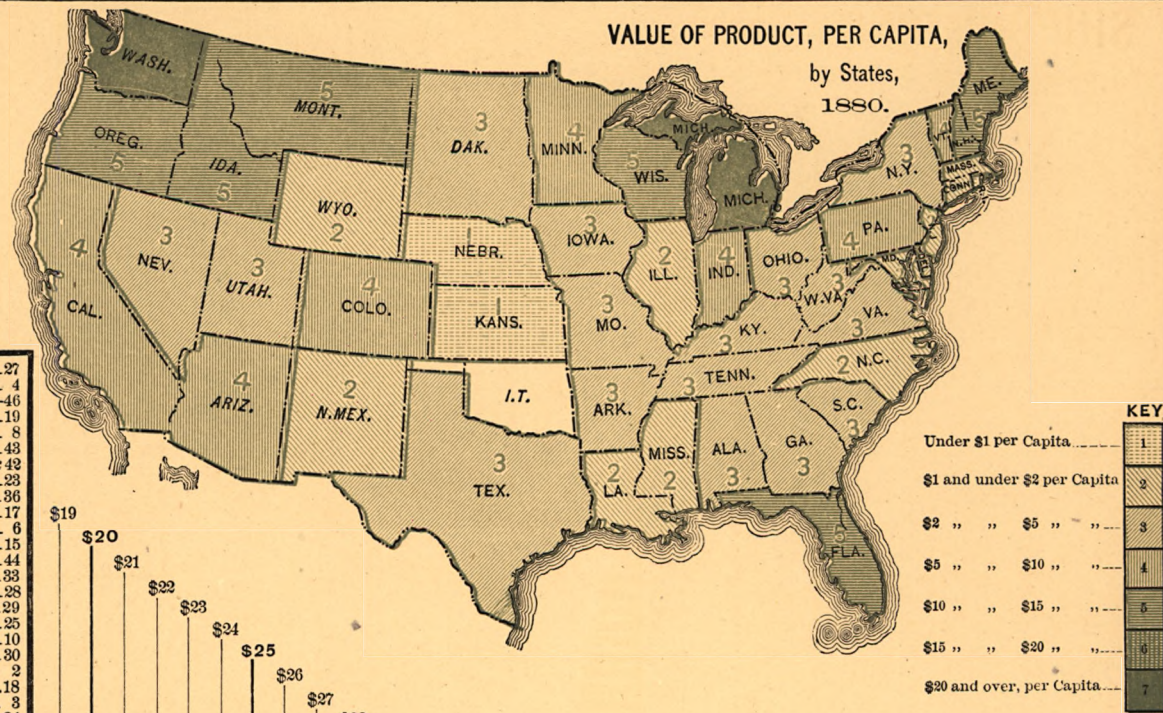
(Based on the Returns of the Tenth Census.)

Product per Capita. SCALE: \$1 per Capita.

Table with columns: Rank, State, Per Capita. Lists states from D.C. to Mich. with per capita values.

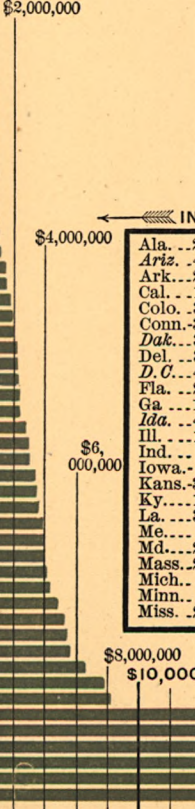


VALUE OF PRODUCT, PER CAPITA, by States, 1880.



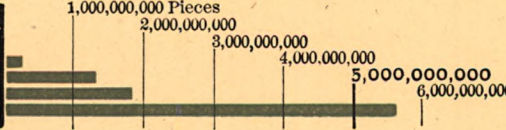
Total Product. SCALE: \$2,000,000

Table with columns: Rank, State, Value. Lists states from Wyo. to Mich. with total product values.



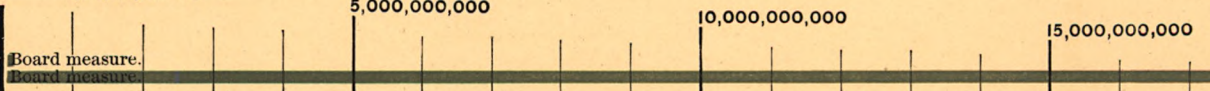
Selected Products. (Pieces). SCALE: 1,000,000,000 Pieces

Table with columns: Rank, Product, Number. Lists sets of headings, staves, lathes, and shingles.



Selected Products. (Feet). SCALE: 1,000,000,000 Feet

Table with columns: Rank, Product, Feet. Lists spool and bobbin stock and lumber.

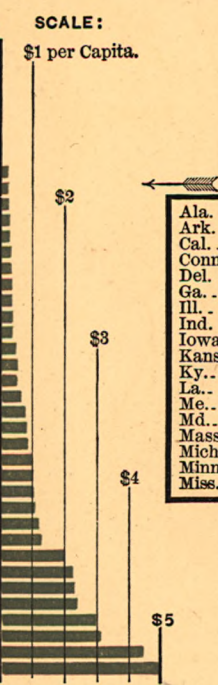


AGRICULTURAL IMPLEMENTS.

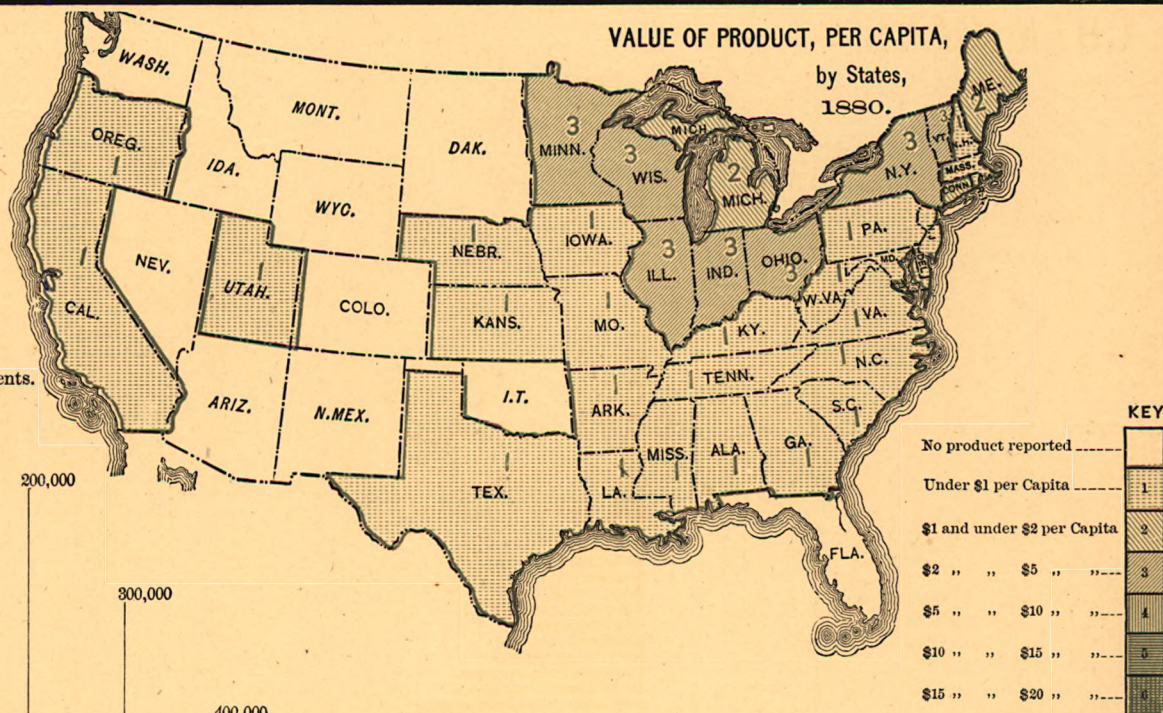
(Based on the Returns of the Tenth Census.)

Product per Capita. SCALE: \$1 per Capita.

Table with columns: Rank, State, Per Capita. Lists states from La. to Ohio with per capita values.

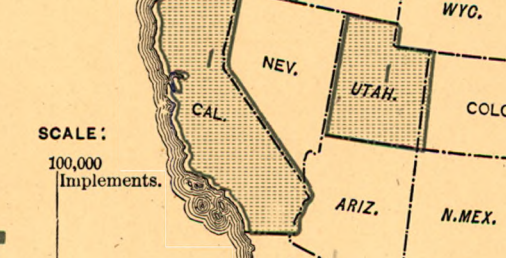


VALUE OF PRODUCT, PER CAPITA, by States, 1880.



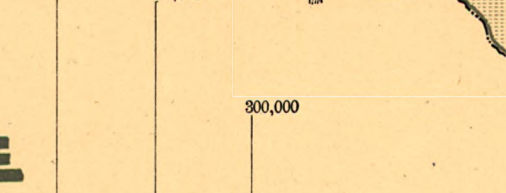
SELECTED PRODUCTS. Miscellaneous.

Table with columns: Rank, Product, Number. Lists stalk-pullers, stump-pullers, hay presses, etc.



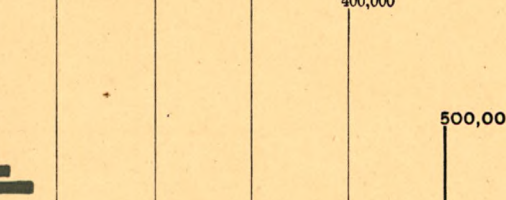
Seed Separators.

Table with columns: Rank, Product, Number. Lists clover-hullers, separators, thrashers, etc.



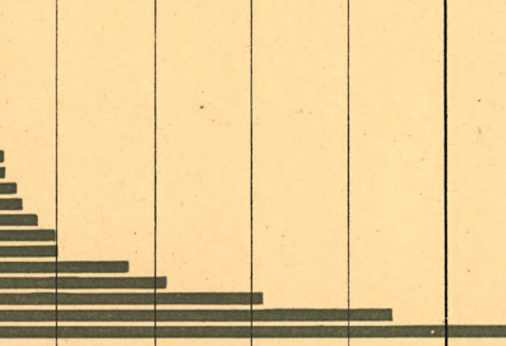
Seed Planters.

Table with columns: Rank, Product, Number. Lists transplanters, fertilizer distributors, grain-sowers, etc.



Harvesting Implements.

Table with columns: Rank, Product, Number. Lists fruit-gatherers, hay-tedders, hay-loaders, etc.



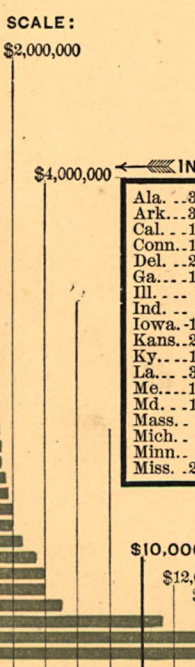
Implements of Cultivation.

Table with columns: Rank, Product, Number. Lists cotton-choppers, clod-crushers, rollers, etc.



Total Product. SCALE: \$2,000,000

Table with columns: Rank, State, Value. Lists states from La. to Ohio with total product values.

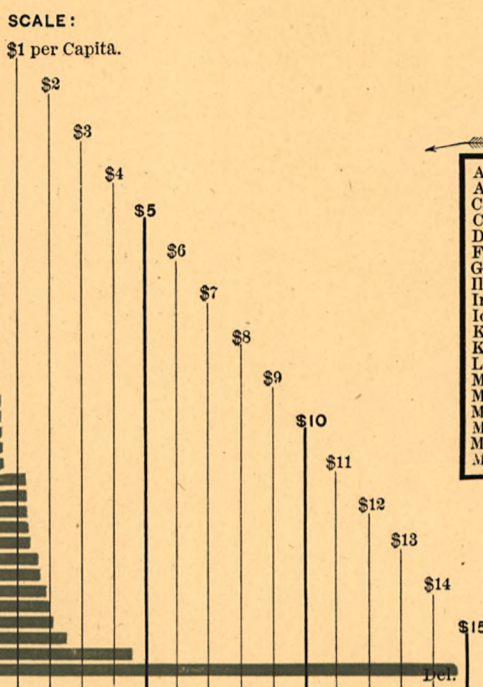


SHIPBUILDING.

(Based on the Returns of the Tenth Census.)

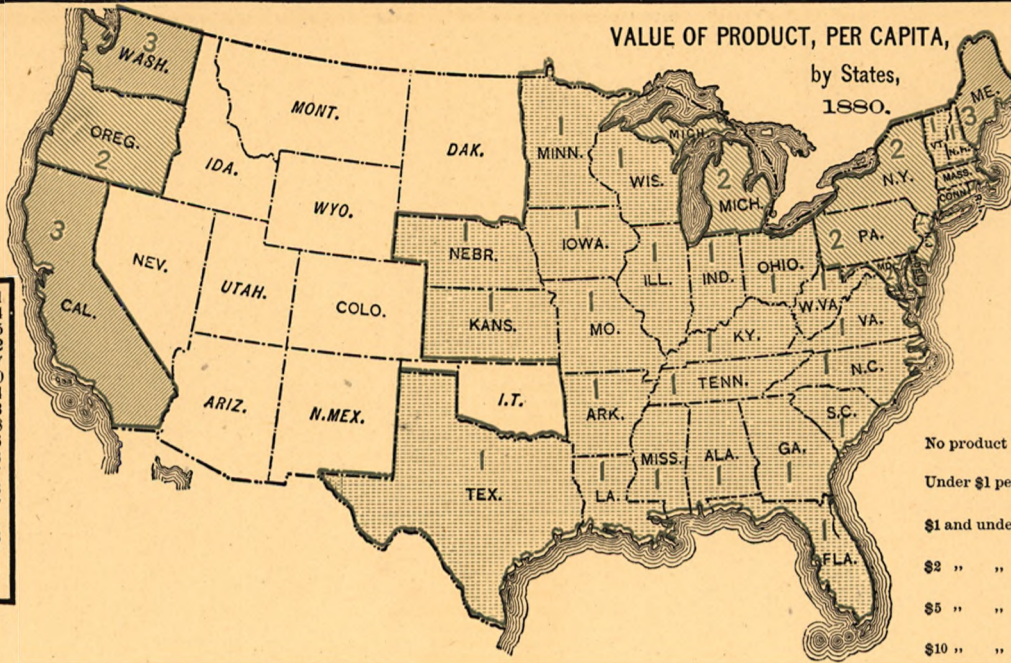
Product per Capita.

Table with columns: Rank, State, Per Capita. Lists states from Tenn. to Del. with their respective per capita values.

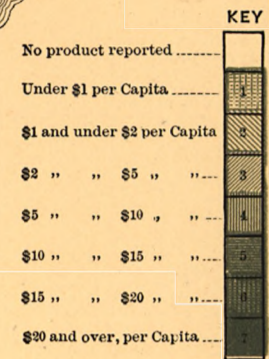


INDEX.

INDEX table listing states and their corresponding ranks for shipbuilding product per capita.

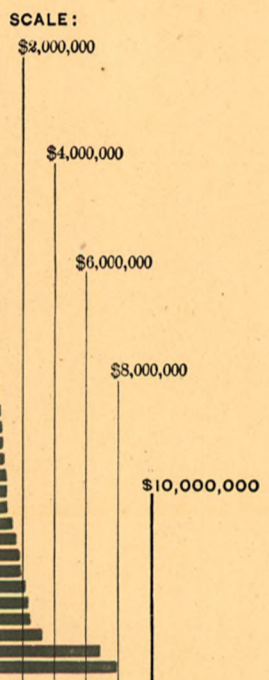


VALUE OF PRODUCT, PER CAPITA, by States, 1880.



Total Product.

Table with columns: Rank, State, Value. Lists total shipbuilding product values for each state from Tenn. to N.Y.



INDEX.

INDEX table listing states and their corresponding ranks for total shipbuilding product.

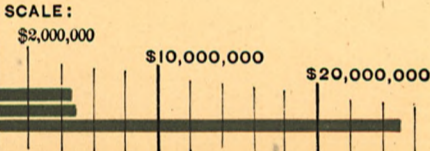
Selected Products.

Table with columns: Rank, Product, Value. Lists values for Boats, Canal boats, Iron vessels, Repairing vessels, and New vessels.



Localities.

Table with columns: Rank, Locality, Value. Lists values for Western rivers, Northern lakes, and Ocean, coast and river.

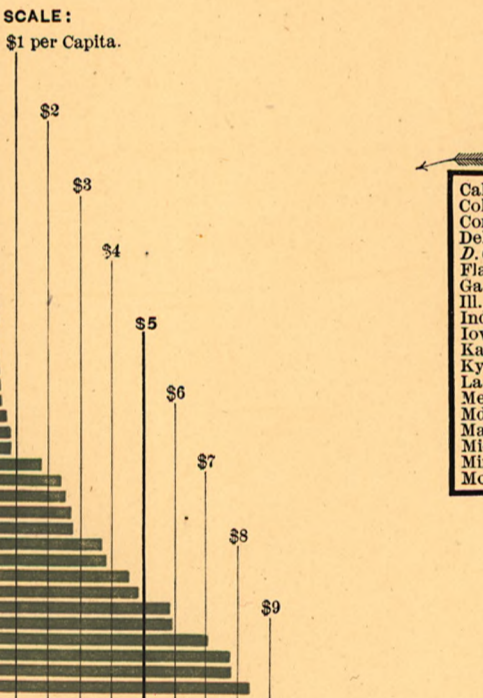


CHEMICALS.

(Based on the Returns of the Tenth Census.)

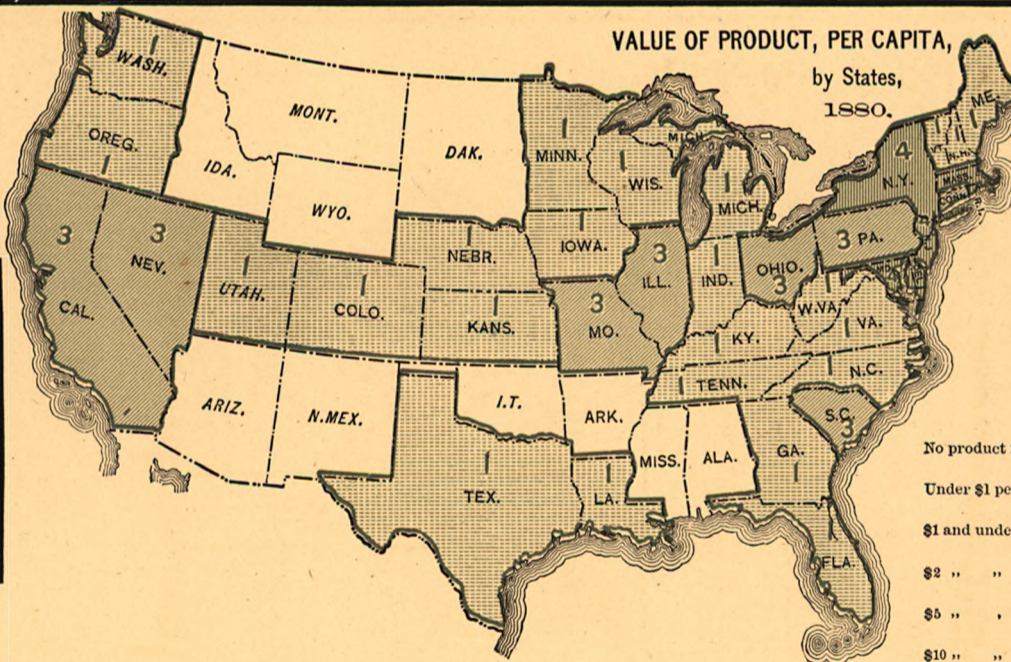
Product per Capita.

Table with columns: Rank, State, Per Capita. Lists states from Fla. to N.J. with their respective per capita values.

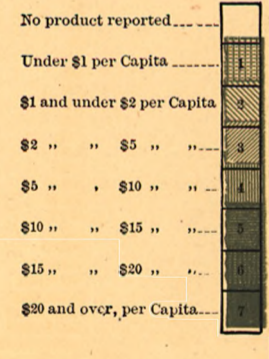


INDEX.

INDEX table listing states and their corresponding ranks for chemicals product per capita.

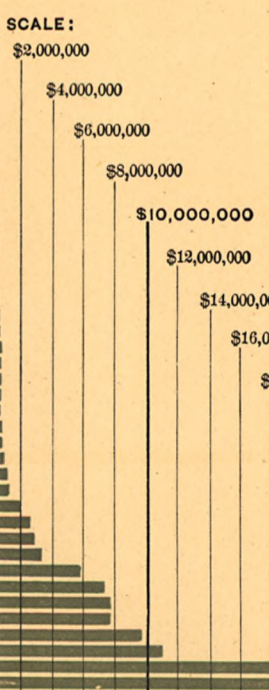


VALUE OF PRODUCT, PER CAPITA, by States, 1880.



Total Product.

Table with columns: Rank, State, Value. Lists total chemical product values for each state from Fla. to N.Y.

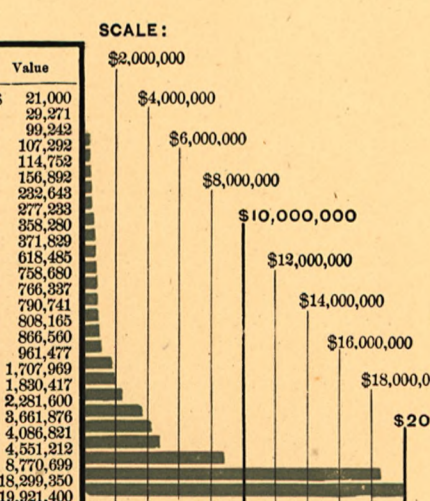


INDEX.

INDEX table listing states and their corresponding ranks for total chemical product.

Selected Products.

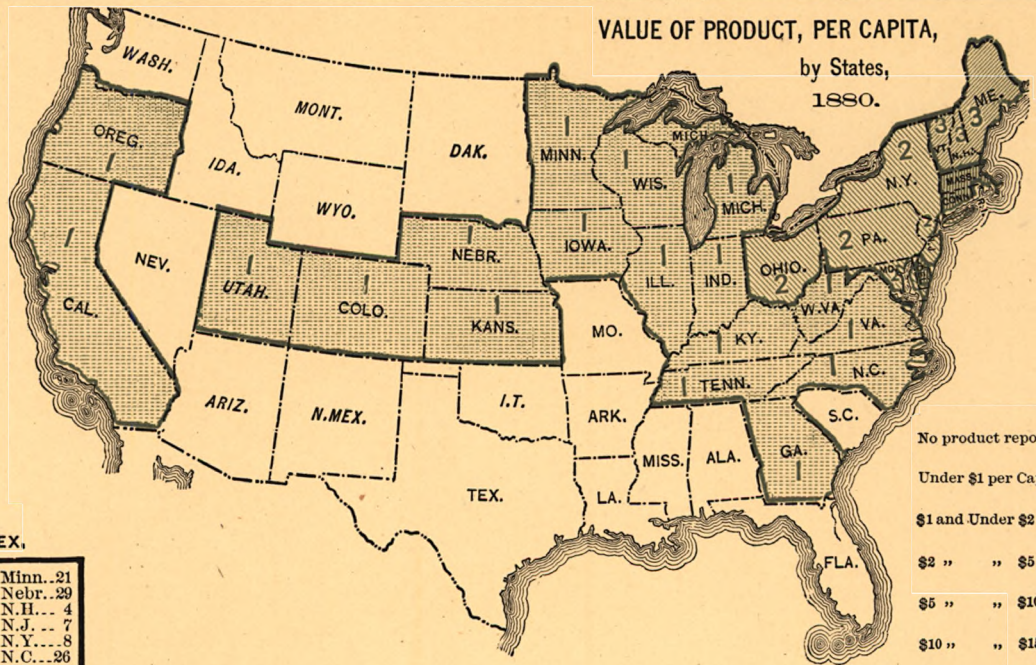
Table with columns: Rank, Product, Pounds, Value. Lists values for Sulphur, Phosphorus, Anthracene, Aniline colors, Bromine, Acetate of lime, Potash and pearlash, Soft soaps, Ground barytes, Sulphate of ammonia, Lead salts, Zinc oxide, Castor oil, Alum, Soda, Glycerine, Oleic acid soap, Nitro-glycerine, Stearic acid candles, Sulphuric acid, Dry colors, Glucose, White lead, Hard soaps, and Manufactured manures.



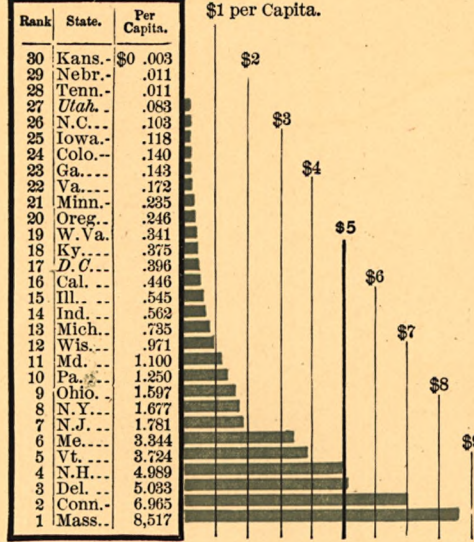
PAPER, ALL CLASSES.

(Based on the Returns of the Tenth Census.)

VALUE OF PRODUCT, PER CAPITA, by States, 1880.



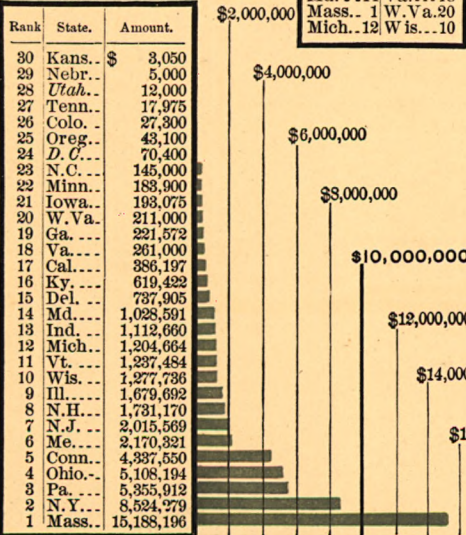
Product per Capita. SCALE: \$1 per Capita.



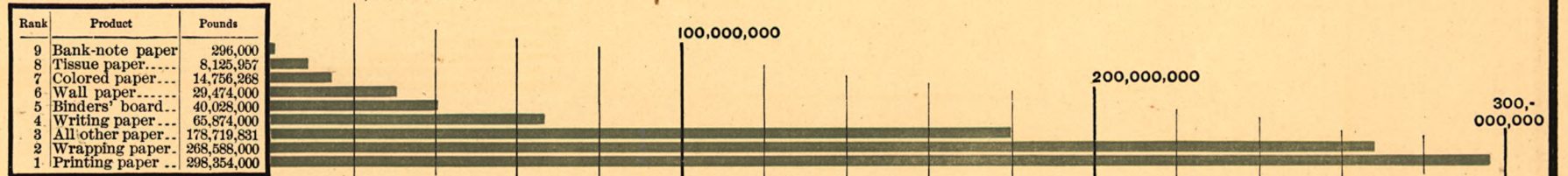
INDEX.

Cal.	16	Minn.	21
Colo.	24	Nebr.	29
Conn.	2	N.H.	4
Del.	3	N.J.	7
D.C.	17	N.Y.	8
Ga.	23	N.C.	26
Ill.	15	Ohio	9
Ind.	14	Oreg.	25
Iowa	25	Pa.	10
Kans.	30	Tenn.	28
Ky.	18	Utah	27
Me.	6	Vt.	5
Md.	11	W.Va.	19
Mass.	1	Wis.	12

Total Product.



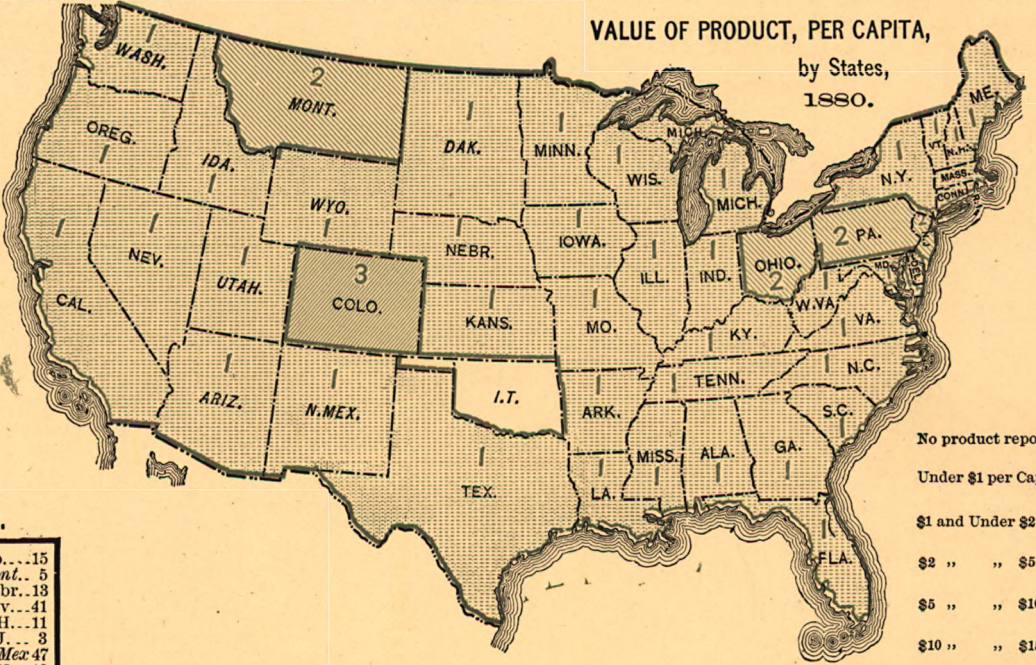
Selected Products.



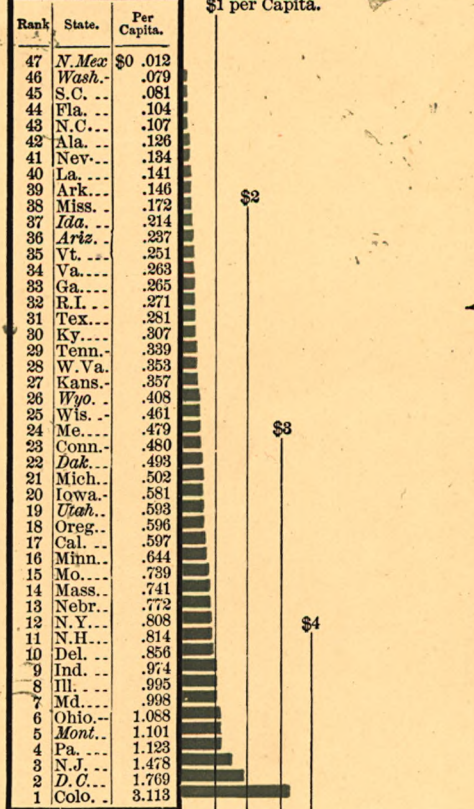
BRICK AND TILE.

(Based on the Returns of the Tenth Census.)

VALUE OF PRODUCT, PER CAPITA, by States, 1880.



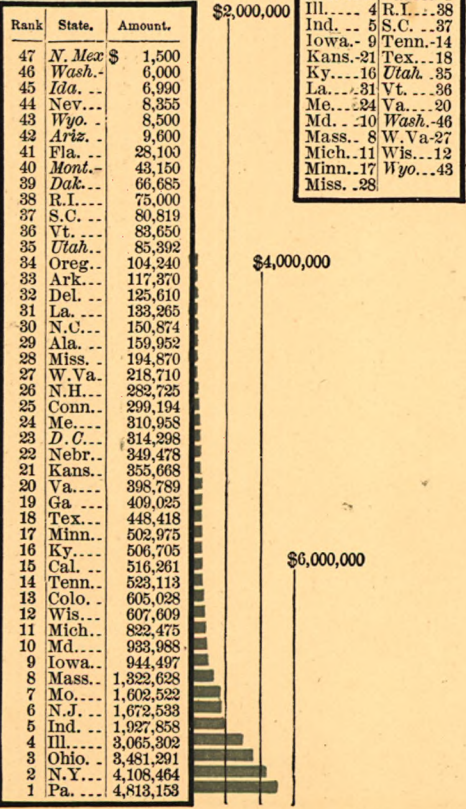
Product per Capita. SCALE: \$1 per Capita.



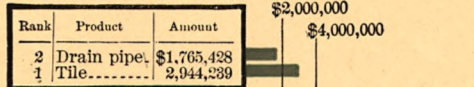
INDEX.

Ala.	42	Mo.	15
Ariz.	36	Mont.	5
Ark.	39	Nebr.	13
Cal.	17	Nev.	41
Colo.	1	N.H.	11
Conn.	23	N.J.	7
Dak.	22	N. Mex.	47
Del.	3	N.Y.	8
D.C.	17	N.C.	26
Fla.	44	Ohio	9
Ga.	43	Oreg.	25
Ida.	45	Pa.	10
Ill.	15	R.I.	32
Ind.	10	S.C.	45
Iowa	25	Tenn.	28
Kans.	30	Tex.	31
Ky.	18	Utah	27
La.	40	Vt.	35
Me.	6	Va.	34
Md.	11	Wash.	46
Mass.	1	W.Va.	19
Mich.	12	Wis.	12
Minn.	16	Wyo.	26
Miss.	38		

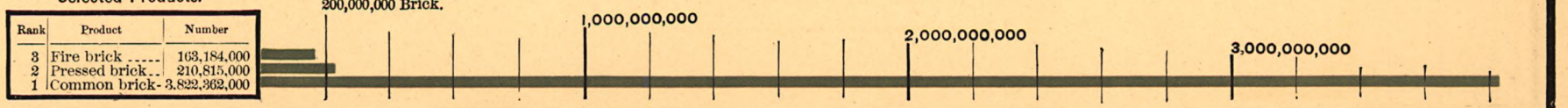
Total Product.



Selected Products.

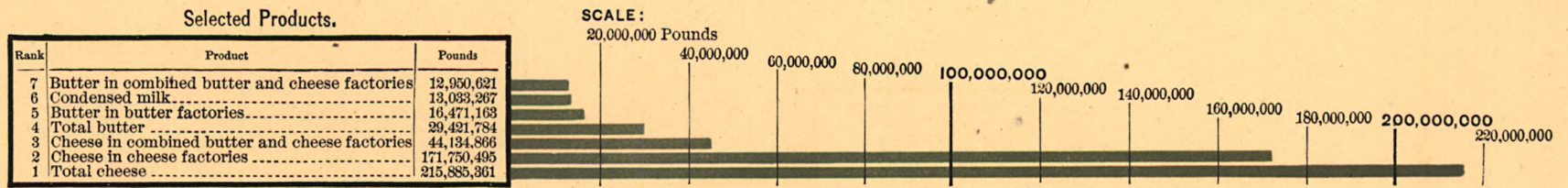
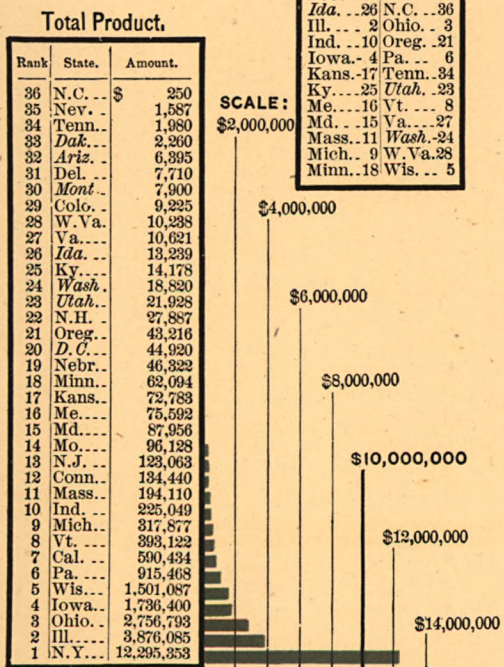
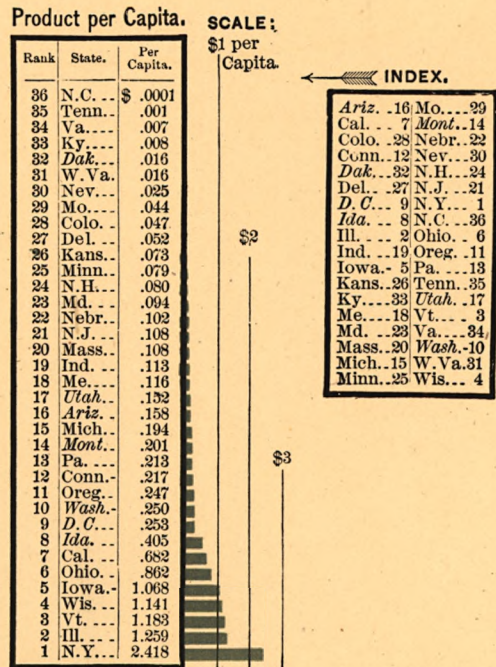
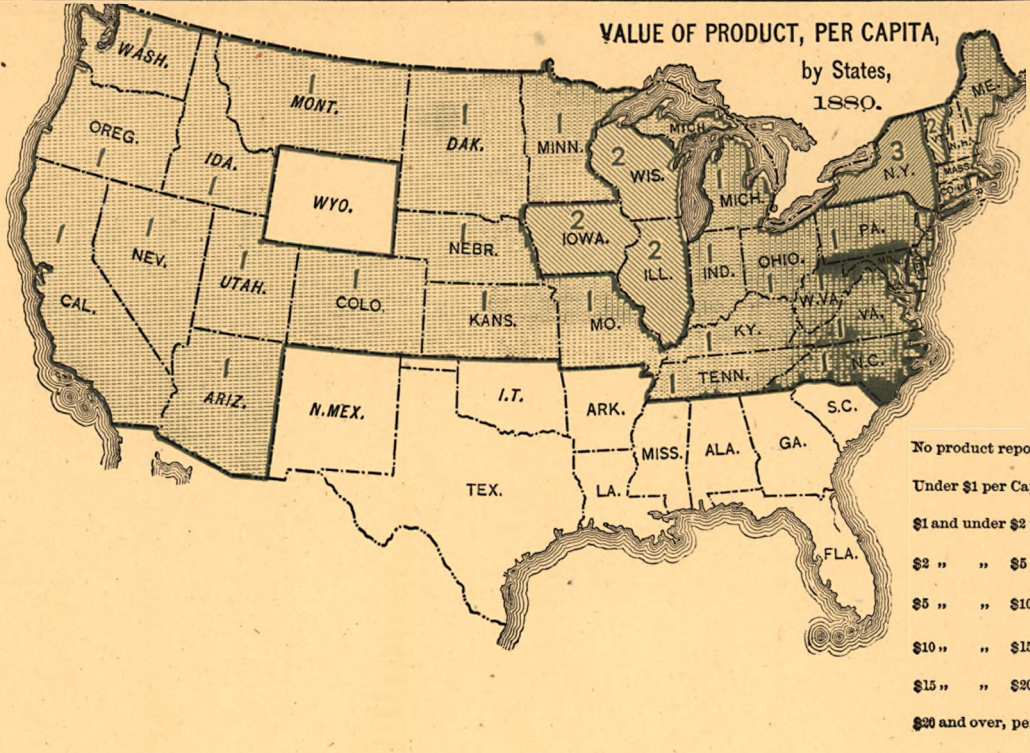


Selected Products.



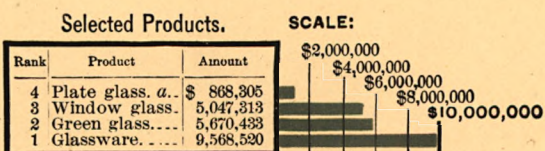
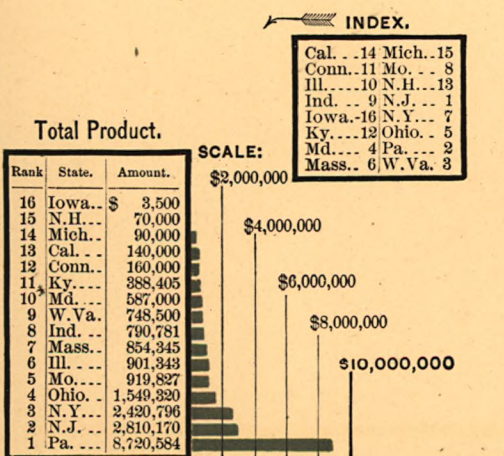
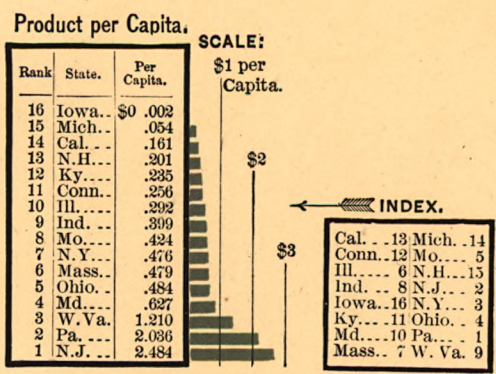
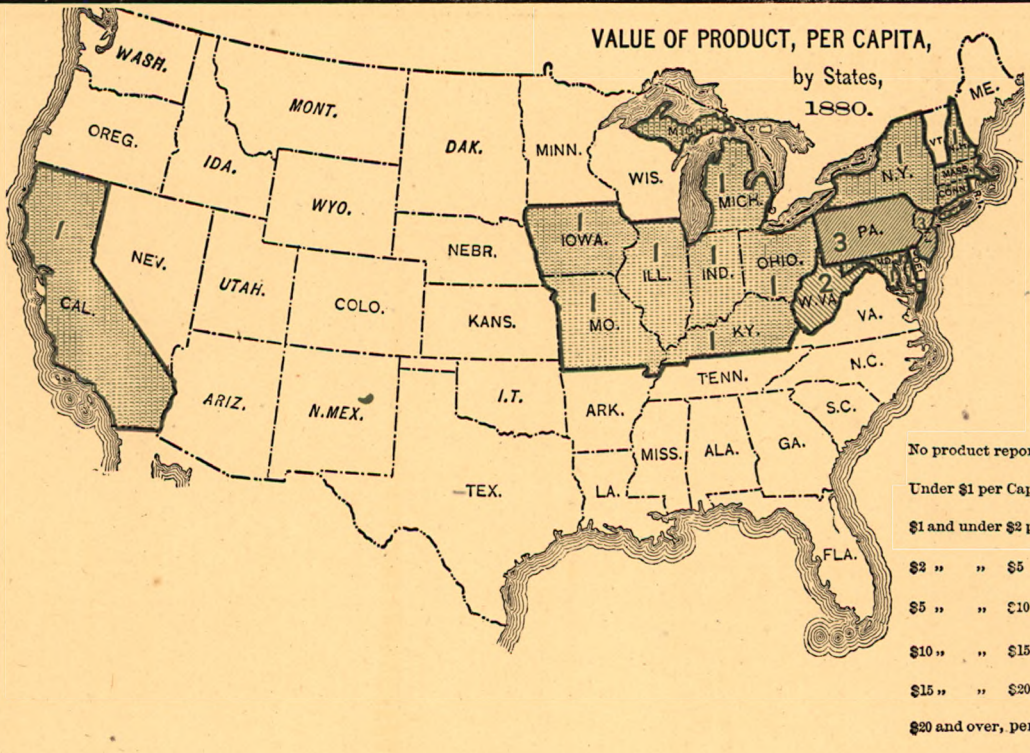
FACTORY CHEESE AND BUTTER.

(Based on the Returns of the Tenth Census.)



GLASS, ALL CLASSES.

(Based on the Returns of the Tenth Census.)



"a" This does not include the value of cast plate in process of manufacture, nor of rough plate broken up and used as cullet, but includes only the value of polished plate and that part of the rough plate that was sold.

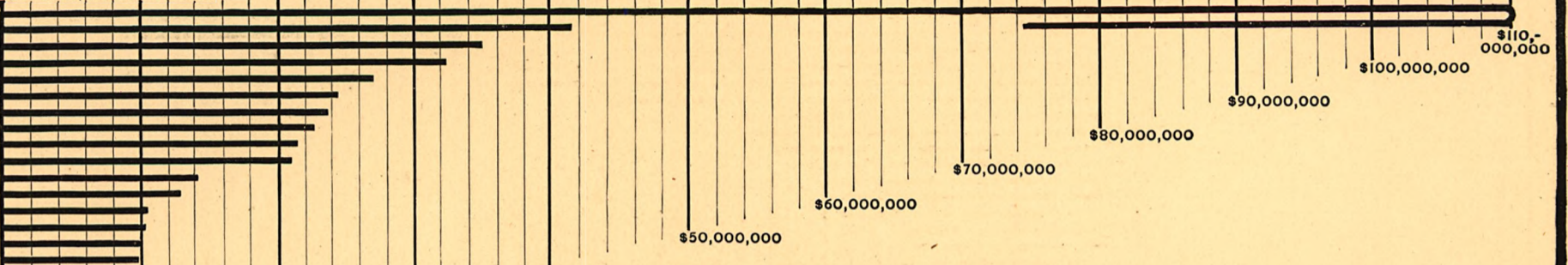
COMPARISON OF SELECTED INDUSTRIES BY STATES*

(Based on the Returns of the Tenth Census.)

1. PENNSYLVANIA.

For Scale, see foot of charts.

Table listing 55 industries for Pennsylvania with values ranging from \$2,006,058 to \$145,576,268.



4. MINNESOTA.

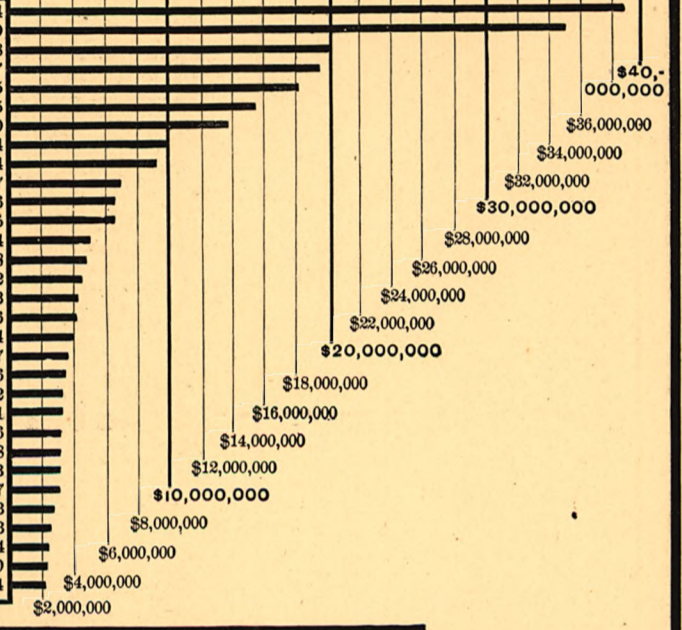
For Scale, see foot of charts.

Table listing 3 industries for Minnesota with values: \$41,519,004, \$7,366,038, and \$2,340,288.



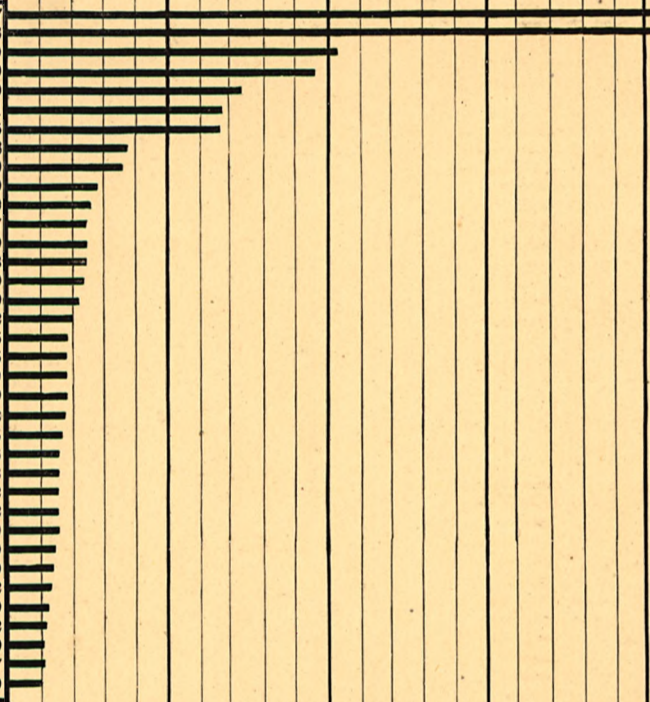
5. OHIO.

Table listing 31 industries for Ohio with values ranging from \$2,106,474 to \$38,950,264.



2. ILLINOIS.

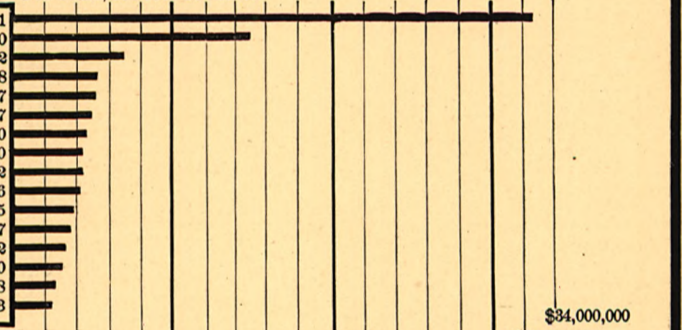
Table listing 36 industries for Illinois with values ranging from \$2,008,159 to \$97,691,517.



6. MISSOURI.

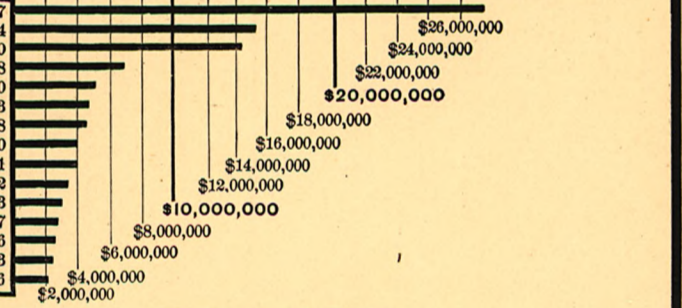
For Scale, see foot of charts.

Table listing 16 industries for Missouri with values ranging from \$2,350,563 to \$32,438,831.



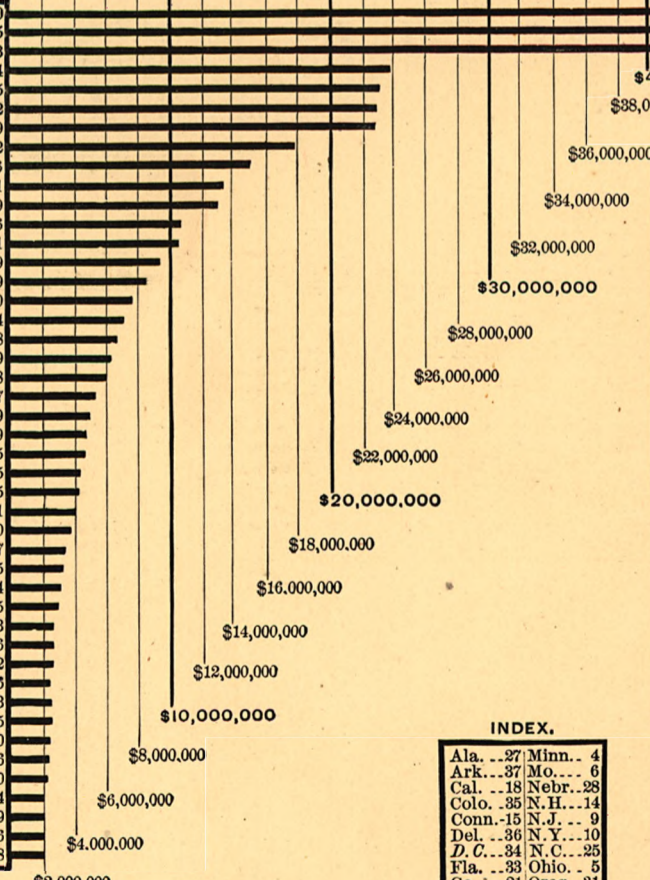
7. INDIANA.

Table listing 15 industries for Indiana with values ranging from \$2,126,896 to \$59,591,897.



3. MASSACHUSETTS.

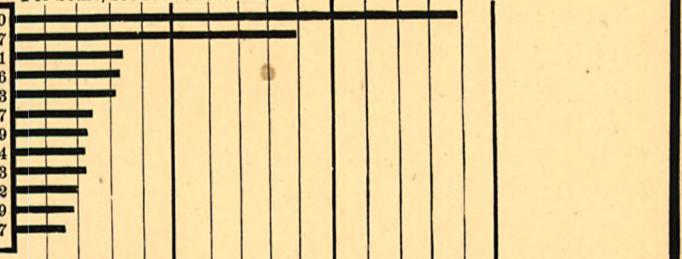
Table listing 45 industries for Massachusetts with values ranging from \$2,020,038 to \$96,900,510.



8. WISCONSIN.

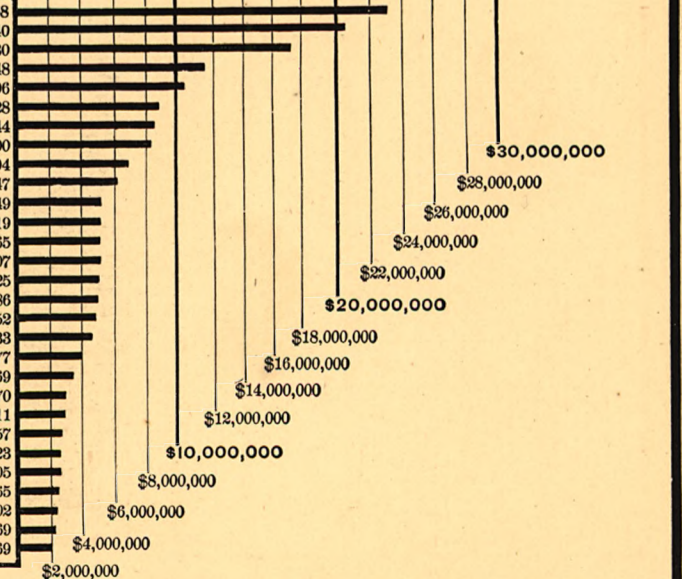
For Scale, see foot of charts.

Table listing 12 industries for Wisconsin with values ranging from \$2,975,687 to \$37,639,430.



9. NEW JERSEY.

Table listing 29 industries for New Jersey with values ranging from \$2,015,569 to \$22,841,258.



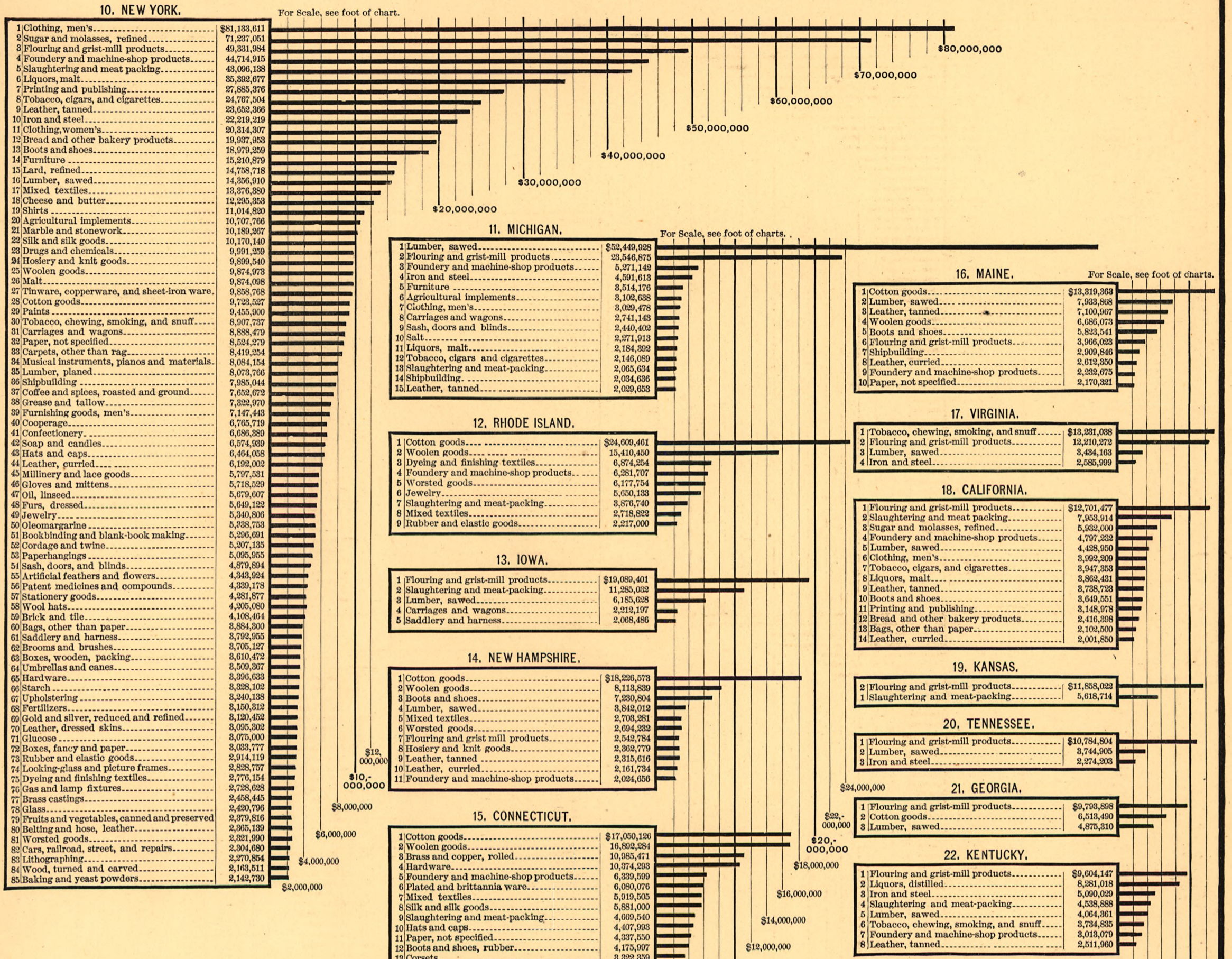
INDEX.

Index table listing state abbreviations and their corresponding industry numbers.

* Only those industries are given whose State product is \$2,000,000 or over. The selections are made from the lists in the "Compendium of the Tenth Census of the United States, 1880," and, as there explained, do not include quartz milling, petroleum refining, gas, and manufactures by steam railroad companies.

COMPARISON OF SELECTED INDUSTRIES BY STATES.—Continued.

(Based on the Returns of the Tenth Census.)



RETROSPECT.

Total State Products. (Values.)

Rank	Product	Rank	Product	Rank	Product	Rank	State	Product
1	...	46	\$185,410	47	...	48	Ariz.	\$ 618,365
2	...	45	705,424	46	...	47	Vyo.	808,494
3	...	44	1,047,624	45	...	46	Ida.	1,271,817
4	...	43	1,480,885	44	...	45	N.M.	1,284,840
5	...	42	2,494,511	43	...	44	Mont.	1,835,367
6	...	41	2,570,539	42	...	43	Nebr.	2,179,626
7	...	40	1,78,570	41	...	42	Dak.	3,273,970
8	...	39	1,406,921	40	...	41	Wash.	3,250,134
9	...	38	900,153	39	...	40	Utah.	4,334,992
10	...	37	2,447,909	38	...	39	Fla.	5,546,448
11	...	36	2,880,578	37	...	38	Ark.	6,756,159
12	...	35	6,590,687	36	...	37	Miss.	7,518,302
13	...	34	2,976,761	35	...	36	Oreg.	10,931,323
14	...	33	5,412,102	34	...	35	D. C.	11,882,317
15	...	32	607,328	33	...	34	Neb.	12,637,336
16	...	31	10,588,566	32	...	33	Ala.	13,565,504
17	...	30	2,832,820	31	...	32	Colo.	14,200,159
18	...	29	8,615,195	30	...	31	N.C.	16,738,008
19	...	28	16,678,698	29	...	30	Del.	20,514,438
20	...	27	9,892,902	28	...	29	Tenn.	20,719,928
21	...	26	6,877,302	27	...	28	Tex.	22,867,136
22	...	25	24,102,301	26	...	27	W. Va.	24,305,183
23	...	24	15,387,473	25	...	26	La.	30,843,777
24	...	23	4,357,408	24	...	25	Kans.	31,354,306
25	...	22	14,637,807	23	...	24	Vt.	36,449,948
26	...	21	6,625,403	22	...	23	Pa.	37,074,886
27	...	20	16,925,564	21	...	22	Ill.	51,780,992
28	...	19	17,987,225	20	...	21	Iowa.	71,045,926
29	...	18	30,432,636	19	...	20	N.H.	73,978,028
30	...	17	38,364,322	18	...	19	Ky.	75,483,377
31	...	16	46,534,322	17	...	18	Mo.	76,065,198
32	...	15	71,088,249	16	...	17	Me.	79,829,793
33	...	14	54,625,809	15	...	16	R.I.	104,163,621
34	...	13	83,362,636	14	...	15	R.I.	106,780,563
35	...	12	110,111,418	13	...	14	Cal.	116,218,973
36	...	11	131,110,700	12	...	13	Wis.	128,255,480
37	...	10	158,110,700	11	...	12	Ind.	148,006,411
38	...	9	183,110,700	10	...	11	Mich.	150,715,025
39	...	8	211,110,700	9	...	10	Mo.	165,386,205
40	...	7	231,110,700	8	...	9	Conn.	185,697,211
41	...	6	261,110,700	7	...	8	N.J.	254,380,236
42	...	5	291,110,700	6	...	7	Ohio.	348,208,390
43	...	4	321,110,700	5	...	6	Ill.	414,864,673
44	...	3	351,110,700	4	...	5	Pa.	631,135,284
45	...	2	381,110,700	3	...	4	N.Y.	744,818,445
46	...	1	411,110,700	2	...	3	N.Y.	1,080,696,596

SCALE: \$20,000,000

INDEX to State Rank, 1880.

Group of Minor Products.

24. TEX.	1. Flouring and grist-mill products.....	\$7,617,177
	2. Lumber, sawed.....	3,673,449
25. N. C.	1. Flouring and grist-mill products.....	\$6,463,806
	2. Lumber, sawed.....	2,674,786
	3. Cotton goods.....	2,554,482
26. W. VA.	1. Iron and steel.....	\$2,215,154
	2. Flouring and grist-mill products.....	8,942,818
	3. Lumber, sawed.....	2,431,857
27. ALA.	1. Flouring and grist-mill products.....	\$4,315,174
	2. Lumber, sawed.....	2,649,694
28. NEB.	1. Flouring and grist-mill products.....	\$4,193,086
	2. Flouring and grist-mill products.....	\$3,779,470
	3. Cotton goods.....	2,895,769
29. S. C.	1. Flouring and grist-mill products.....	\$2,691,083
	2. Lumber, sawed.....	2,031,507

Group of Minor Products.

30. LA.	1. Oil, cottonseed and cake.....	\$3,739,466
31. OREG.	1. Flouring and grist-mill products.....	\$3,476,531
	2. Lumber, sawed.....	2,030,463
	3. Lumber, sawed.....	\$3,258,516
	4. Lumber, sawed.....	3,217,807
32. VT.	1. Flouring and grist-mill products.....	\$3,038,688
	2. Lumber, sawed.....	2,709,522
	3. Scales and balances.....	2,080,474
33. FLA.	1. Lumber, sawed.....	\$3,060,291
34. D. C.	1. Printing and publishing.....	\$2,896,312
35. COLO.	1. Flouring and grist-mill products.....	\$2,534,644
	2. Iron and steel.....	\$2,947,177
36. DEL.	1. Shipbuilding.....	2,162,503
	2. Iron pipe, wrought.....	2,000,000
37. ARK.	1. Flouring and grist-mill products.....	\$2,249,289

KEY: Product of 1850, Product of 1860, Product of 1870, Product of 1880

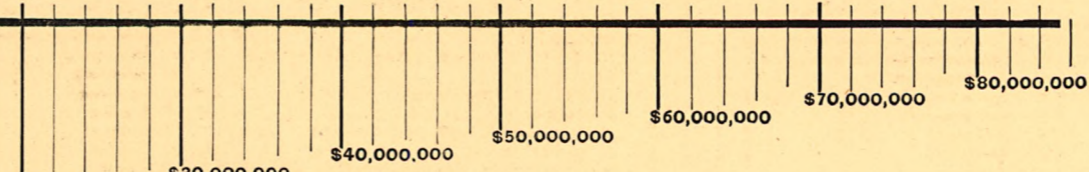
SELECTED INDUSTRIES IN TWENTY PRINCIPAL CITIES.*

(Based on the Returns of the Tenth Census)

1. CHICAGO, ILL.

Table listing 41 industries in Chicago, Ill., with values ranging from \$1,043,682 to \$85,324,371.

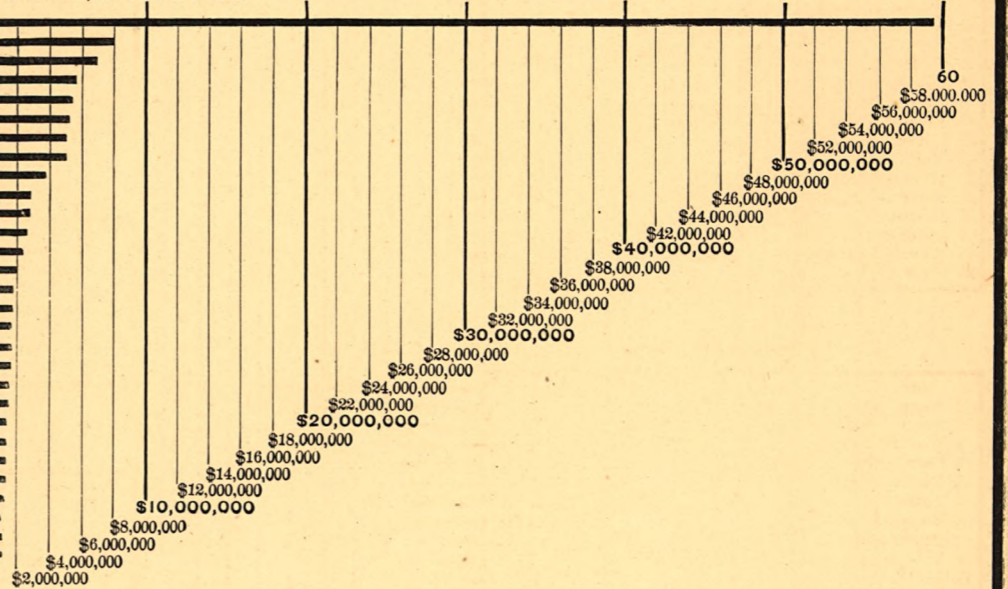
For scale, see foot of charts.



3. BROOKLYN, N. Y.

Table listing 29 industries in Brooklyn, N. Y., with values ranging from \$1,079,809 to \$59,711,168.

For scale, see foot of charts.



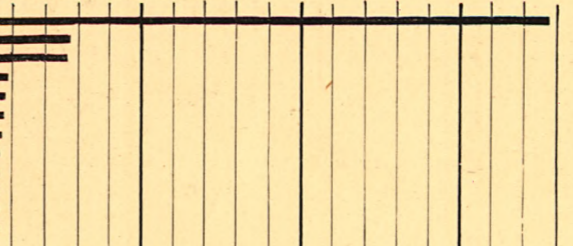
2. NEW YORK, N. Y.

Table listing 78 industries in New York, N. Y., with values ranging from \$1,023,494 to \$60,798,637.

4. PITTSBURGH, PA.

Table listing 12 industries in Pittsburgh, Pa., with values ranging from \$1,054,395 to \$35,490,634.

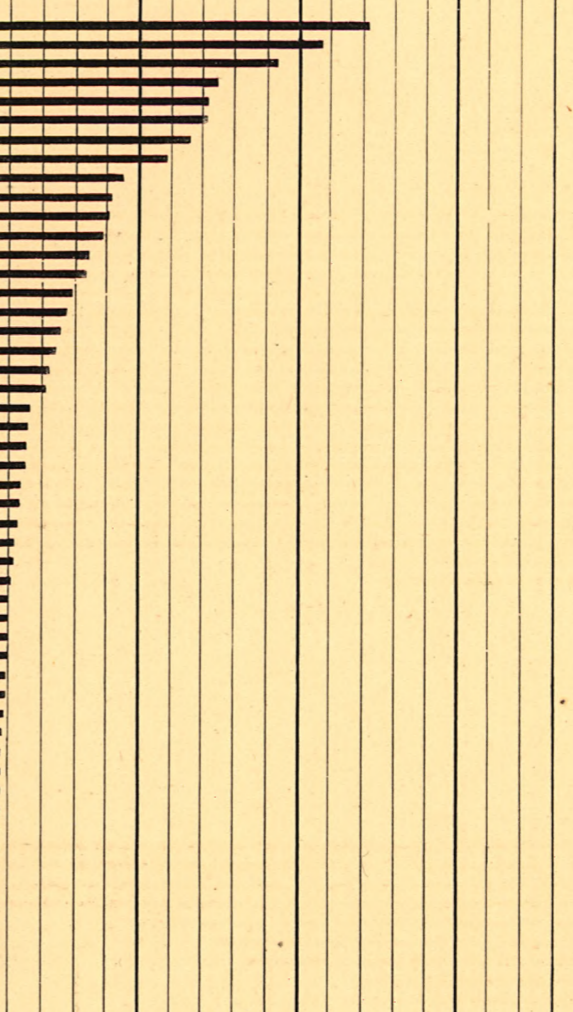
For scale, see foot of charts.



5. PHILADELPHIA, PA.

Table listing 52 industries in Philadelphia, Pa., with values ranging from \$1,130,198 to \$34,394,929.

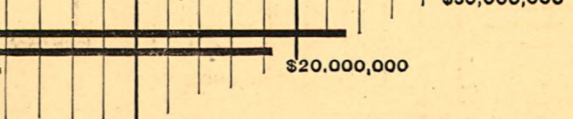
For scale, see foot of charts.



6. JERSEY CITY, N. J.

Table listing 5 industries in Jersey City, N. J., with values ranging from \$1,041,471 to \$22,799,614.

For scale, see foot of charts.



INDEX.

Index table listing 20 cities and their corresponding chart numbers.

NOTES.

* Only those industries are given whose city product is \$1,000,000 or over. The selections are made from the lists in the "Compendium of the Tenth Census of the United States, 1880," and, as there explained, do not include quartz milling, petroleum refining, gas, or manufactures by steam railroad companies.

TOTAL POWER, (STEAM AND WATER.)

(Based on the Returns of the Tenth Census.)

Total Power.

Table with 3 columns: Rank, State, Horse Power. Lists states from 47th to 1st rank with their respective horse power values.

SCALE: 25,000 Horse-Power

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the total power chart.

Ratio to Total Population.

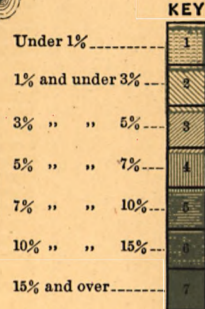
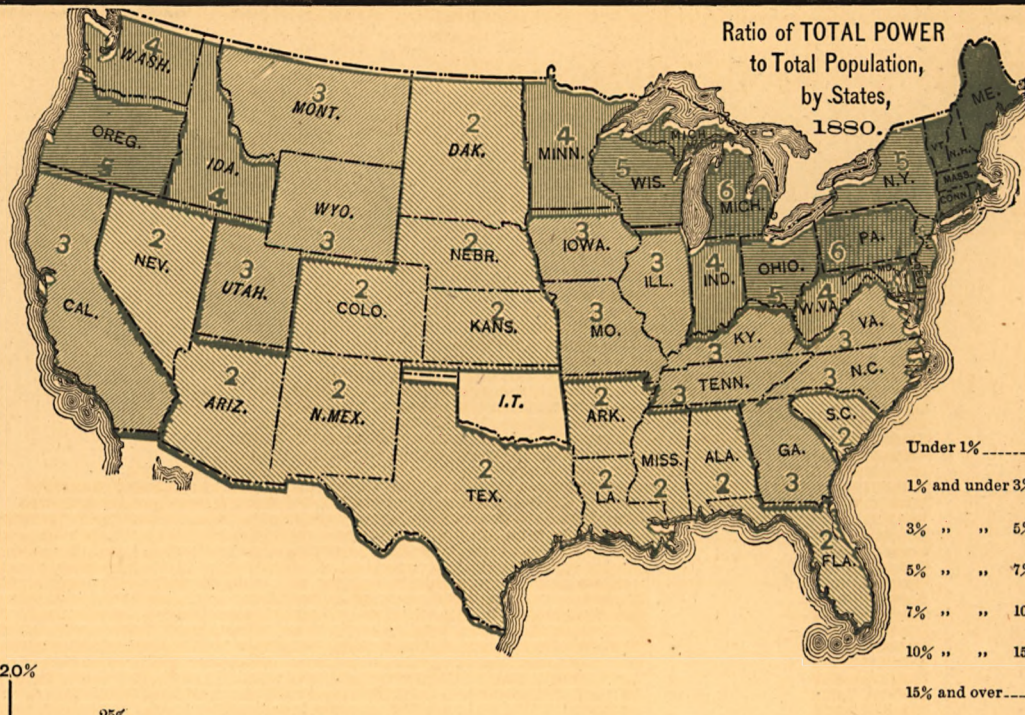
Table with 3 columns: Rank, State, Per Cent. Lists states from 47th to 1st rank with their percentage of total power relative to population.

SCALE: 5% or 1 Horse-Power to 20 persons.

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the ratio to population chart.

Ratio of TOTAL POWER to Total Population, by States, 1880.



STEAM POWER.

(Based on the Returns of the Tenth Census.)

Total Steam-Power.

Table with 3 columns: Rank, State, Horse Power. Lists states from 47th to 1st rank with their respective steam power values.

SCALE: 25,000 Horse-Power

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the total steam power chart.

Ratio to Total Population.

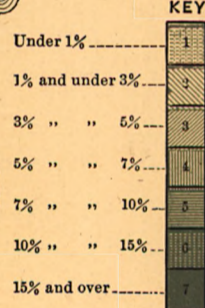
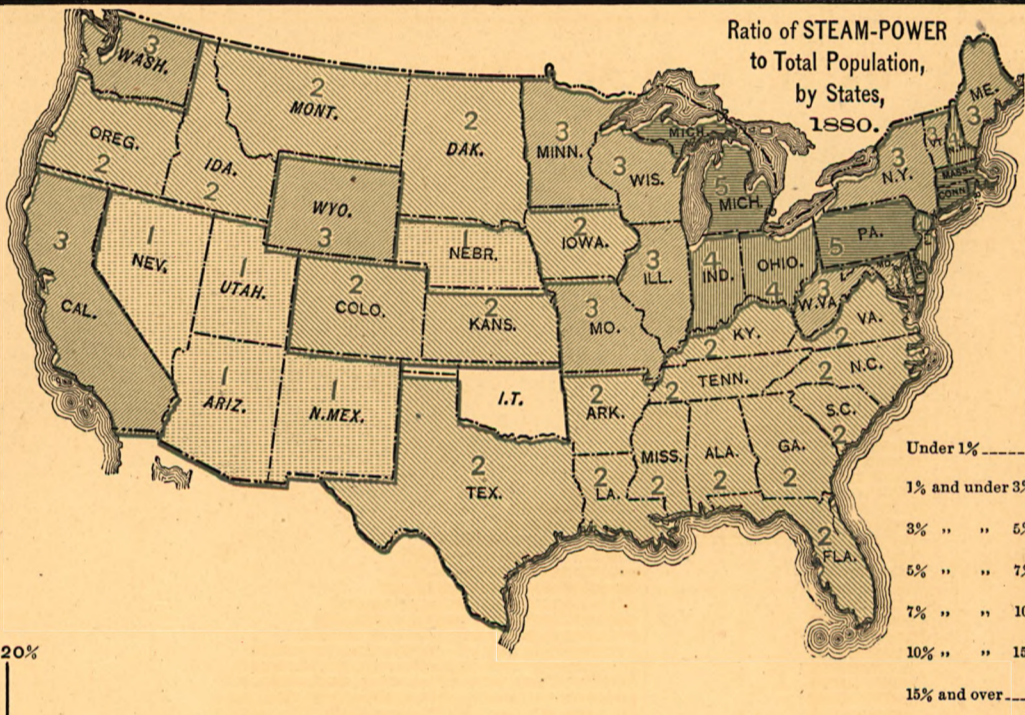
Table with 3 columns: Rank, State, Per Cent. Lists states from 47th to 1st rank with their percentage of steam power relative to population.

SCALE: 5% or 1 Horse-Power to 20 persons.

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the ratio to population chart.

Ratio of STEAM-POWER to Total Population, by States, 1880.



WATER POWER.

(Based on the Returns of the Tenth Census.)

Total Water-Power.

Table with 3 columns: Rank, State, Horse Power. Lists states from 47th to 1st rank with their respective water power values.

SCALE: 25,000 Horse-Power

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the total water power chart.

Ratio to Total Population.

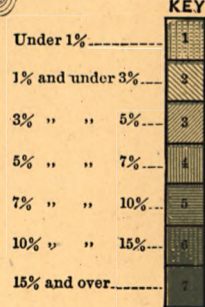
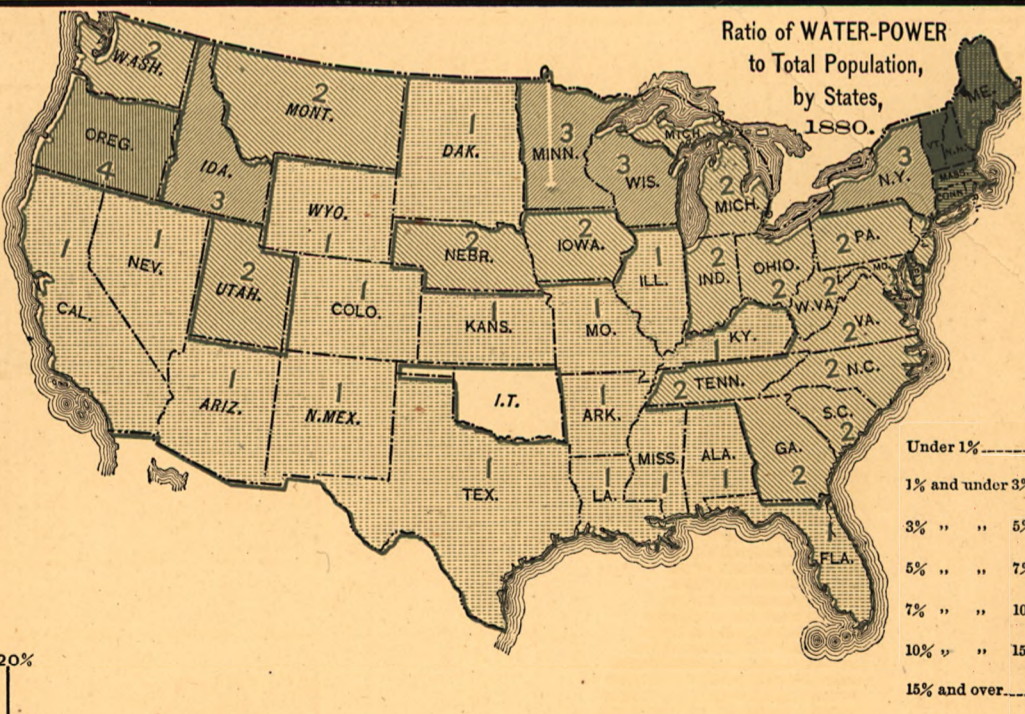
Table with 3 columns: Rank, State, Per Cent. Lists states from 47th to 1st rank with their percentage of water power relative to population.

SCALE: 5% or 1 Horse-Power to 20 persons.

INDEX.

INDEX table listing state abbreviations and their corresponding ranks in the ratio to population chart.

Ratio of WATER-POWER to Total Population, by States, 1880.



RATIO OF STEAM TO TOTAL POWER.

(Based on the Returns of the Tenth Census.)

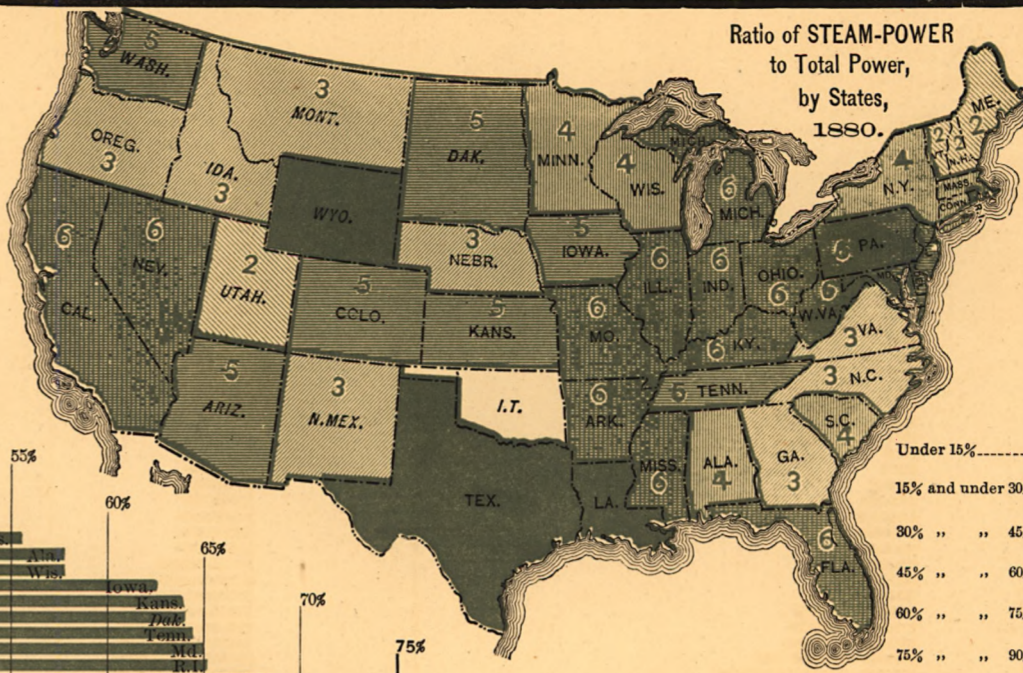
Ratio by States.

Table with 3 columns: Rank, State, Horse Power. Lists states from rank 47 down to 1, with corresponding horse power values.

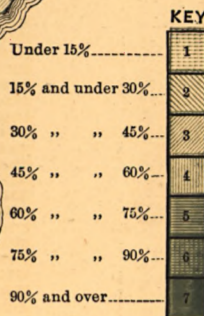
SCALE: 5% 10% 15% 20% 25% 30% 35% 40% 45% 50% 55% 60% 65% 70% 75% 80% 85% 90% 95% 100%

INDEX.

INDEX table listing state abbreviations and their corresponding ranks from the main table.



Ratio of STEAM-POWER to Total Power, by States, 1880.



RATIO OF WATER TO TOTAL POWER.

(Based on the Returns of the Tenth Census.)

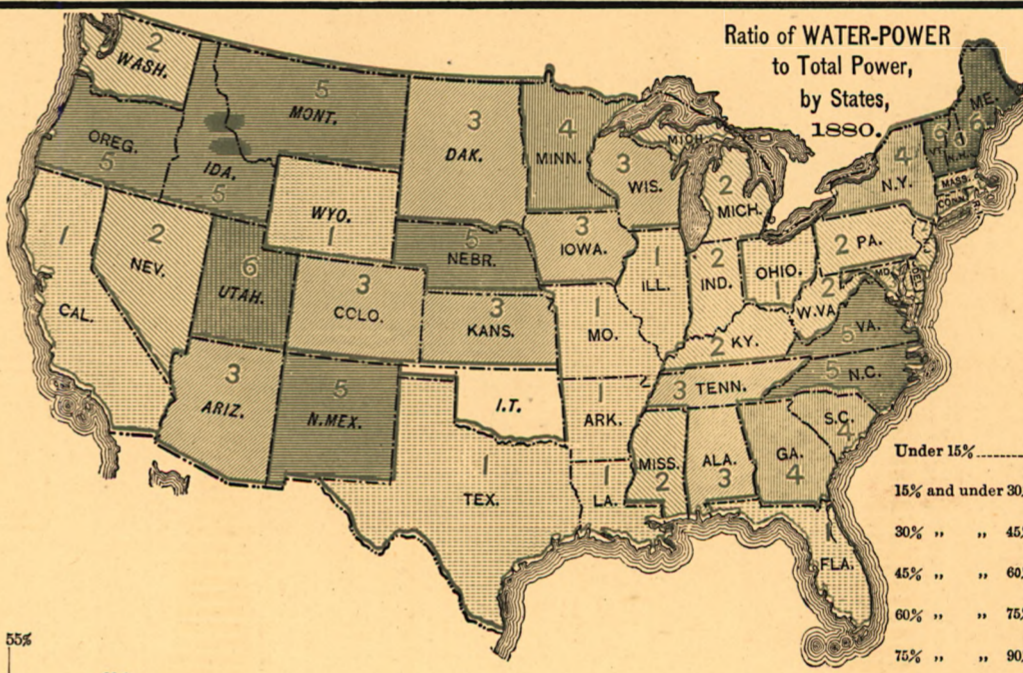
Ratio by States.

Table with 3 columns: Rank, State, Horse Power. Lists states from rank 47 down to 1, with corresponding horse power values.

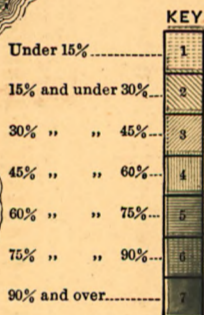
SCALE: 5% 10% 15% 20% 25% 30% 35% 40% 45% 50% 55% 60% 65% 70% 75% 80% 85% 90% 95% 100%

INDEX.

INDEX table listing state abbreviations and their corresponding ranks from the main table.



Ratio of WATER-POWER to Total Power, by States, 1880.



INCREASE OF POWER, 1870 TO 1880.

(Based on the Returns of the Tenth Census.)

Increase of Power and of Population, 1870 to 1880.

Table with 4 columns: Rank, State, Pop., H. P. Shows population and horse power for each state from rank 47 down to 1.

SCALE: 25% 50% 75% 100% 125% 150% 175% 200% 225% 250% 275% 300% 325%

INDEX.

INDEX table listing state abbreviations and their corresponding ranks from the main table.

Total Power Employed in Thirteen Special Industries, 1880.

Table with 4 columns: Rank, Industry, Water H. P., Steam H. P., Total H. P. Lists 13 industries with their respective power values.

SCALE: 100,000 Horse-Power. 200,000 300,000 400,000 500,000 600,000 700,000 800,000

Increase of Power Employed in Eight Special Industries, 1870 to 1880.

Table with 3 columns: Industry, 1870, 1880. Shows power increase for 8 industries.

SCALE: 25% 50% 75% 100% 125% 150% 175% 200% 225% 250% 275% 300% 325%

Total Power Available, per Hand Employed, in Eight Special Industries, 1870 and 1880.

Table with 3 columns: Industry, 1870, 1880. Shows power available per hand for 8 industries.

SCALE: 1 Horse-Power. 2 3 4 5 6 7 8 9 10 11 12 13

Ratio of Steam to Total Power, in Eight Special Industries, 1870 and 1880.

Table with 3 columns: Industry, 1870, 1880. Shows steam ratio for 8 industries.

SCALE: 25% 50% 75% 100%